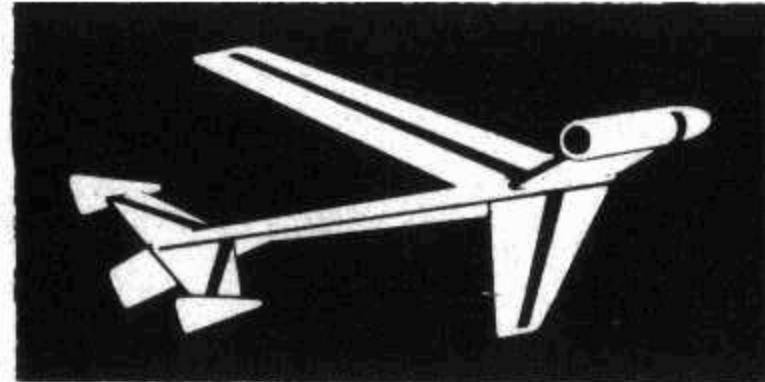


# HAPPY BIRTHDAY



May 16  
Keith Kohler

May 20  
Dianna Bush  
Maria Peritori  
Vangie Balles

May 25  
Frank Genty

May 17  
Dixie Stevens

May 27  
Albert Nicholas

May 18  
Norma Richards

May 21  
Ramona Atwood  
Shirley Bellew

May 29  
Duane Renfrow

May 19  
Roger Hammock

May 22  
Florence Coleman

The Launch Pad is officially four years old. Originally written by Norman Avery, the first four-page "Pad" featured the Estes Dale Carnegie graduates and a surprise birthday party for Art Hunter. In June, 1968, the paper expanded to

eight pages, incorporating the Classified section as an additional service to the employees.

It is our sincere hope that you have enjoyed the Launch Pad. We welcome any suggestions which you might have for future editions.



## VOICES FROM THE PAST

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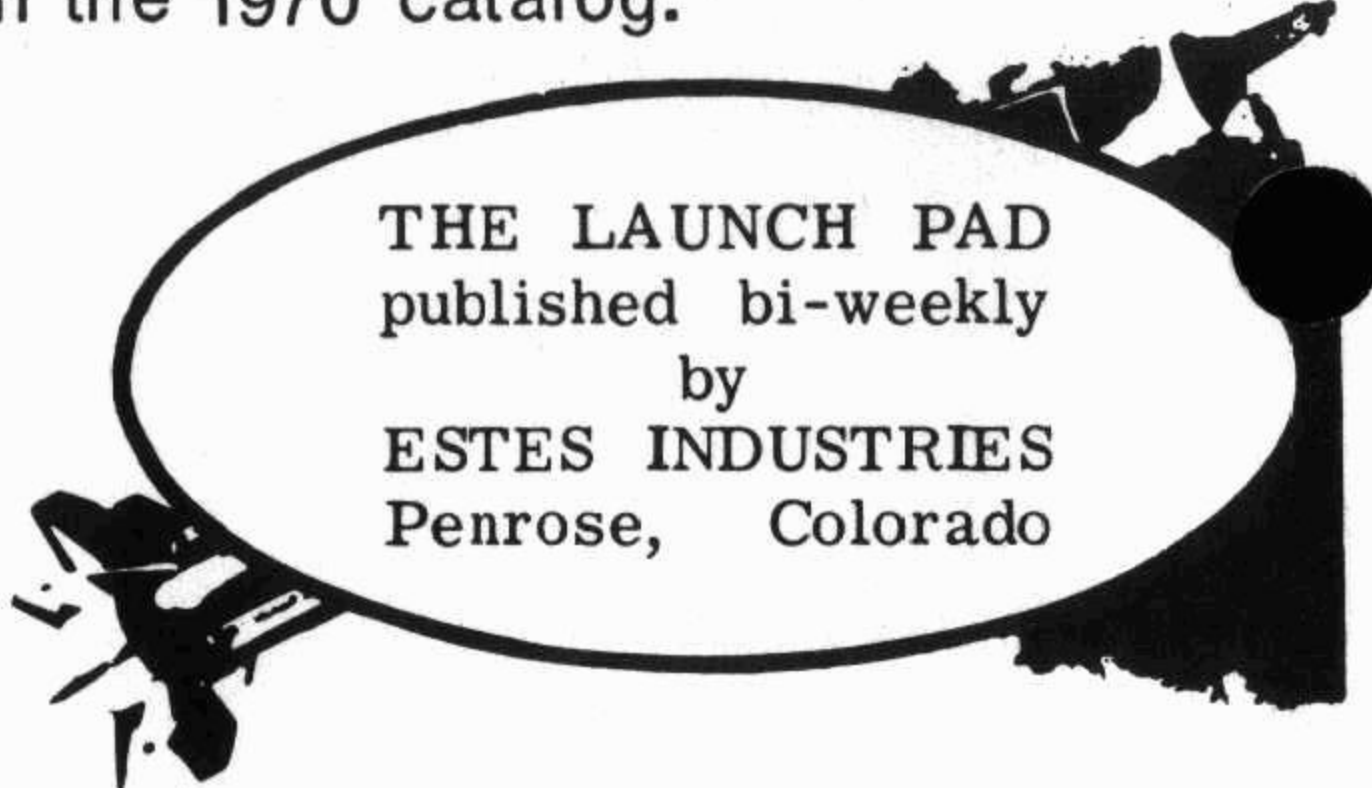
"As the camera's whirred and hearts beat fast with anticipation, Gene Street launched the Saturn C-1, block 2. Up she soared, without a quiver, in the azure skies. The small audience of Estes employees cheered as the capsule with its escape tower catapulted from the main rocket and both floated gently back to earth. Thus, complete success culminated many hours of work by Gene on this model rocket.

Estes Industries is determined to stay in the space race. Therefore, Gene Street is now busy designing and building a replica of the Saturn 1B."

From the April 7, 1967 issue of the Launch Pad.

**Editor's note:** Although the Saturn C-1, block 2 was never marketed as a kit, it was the first step taken in designing the Saturn 1B which is in the 1970 catalog.

"The next space vehicle in the Apollo program is the Saturn 1B. It will launch the first manned Apollo flights into earth orbit . . . .

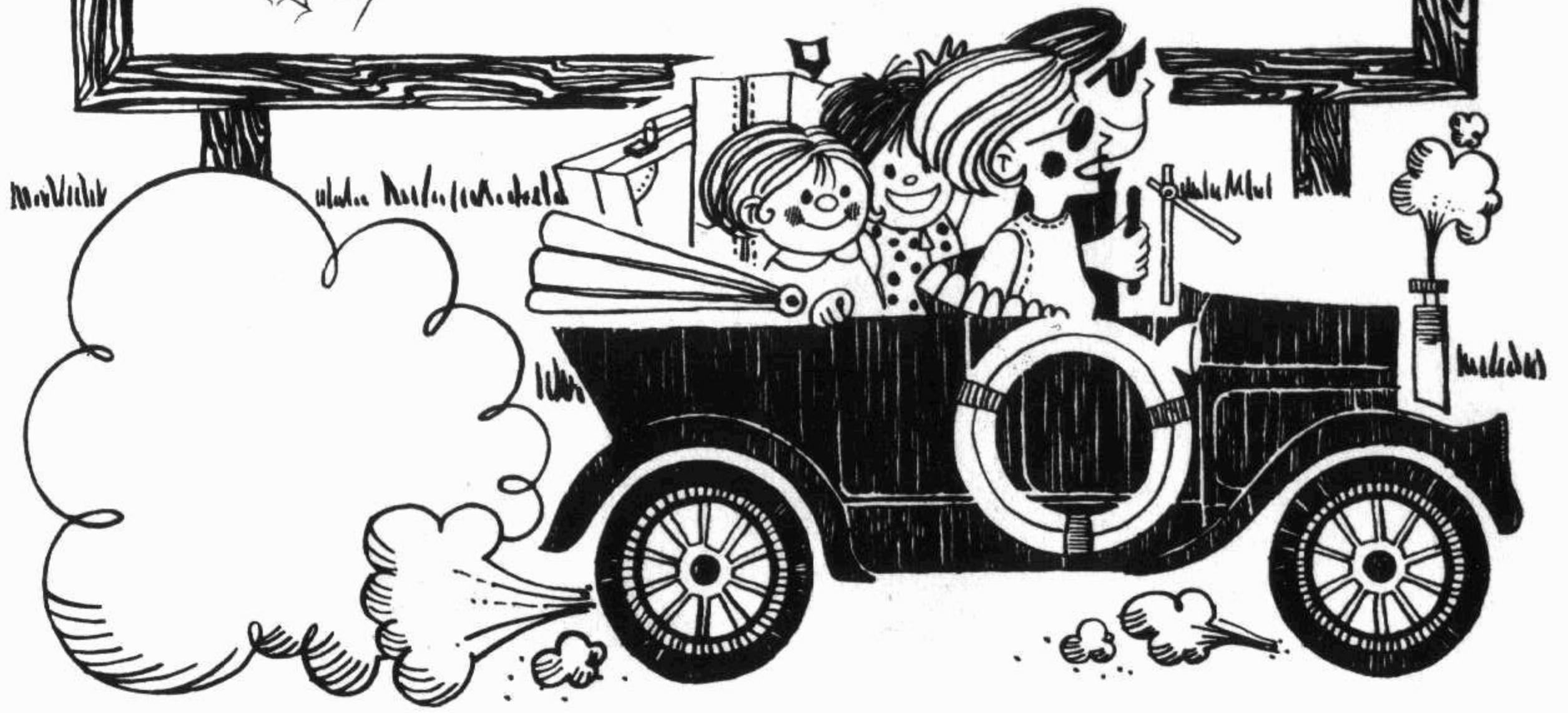


the

**LAUNCH PAD**

A SUBSIDIARY OF DAMON

**MAY 15, 1970**



## VACATION TIME

CAMPING? FISHING? VISITING YOUR FAMILY or TOURING NATIONAL PARKS IN THE UNITED STATES? What are your plans? Everyone has a different picture of vacation, but they all mean forgetting about work and enjoying a well earned rest.

The Estes' vacation policy provides an opportunity for all qualifying employees to take time off from work. Any person who started working before February 1,



1970, may be scheduled up to one week of vacation time. Up to two weeks may be scheduled for all employees who joined the team prior to May 1, 1969.

The regular vacation period is set between June 1 and October 31. Be sure to have your request for vacation time in to your supervisor as soon as possible.

Plan now, and have a memorable time!



## BOWLING

Estes mixed league Championship roll-offs held May 1, 1970 at Ideal Lanes, Canon City, Colorado. Winners as follows:

### CHAMPIONS

#### APOLLO 4'S (FRIDAY)

Oakie Six  
Rick Robinson  
Avona O'Leary  
Duane Renfrow

### CHAMPIONS BOOBS

#### SPACE MATES

Maurice Little  
Lillian Little  
Earl Estes  
Eveverly Estes

The Apollo 4's and the Launchers tied two games to two games. The one game roll-off was won by the Apollo 4's by only 15 pins.

ALL BOWLERS REMEMBER YOUR



### FIRST PLACE

#### LAUNCHERS (TUESDAY)

Neva Buchanan  
Delbert Buchanan  
Faye Green  
Ray Green

### LAST PLACE

#### MABEL TEERS

Lillian Lynn  
Lloyd Stover  
Velda Hager  
Wesley Widick

GUEST NAMES MUST BE TURNED IN TO AVONA O'LEARY BY MAY 16, 1970. The banquet will be held May 23, 1970 at the Belvedere, Canon City, Colo. Call Avona at ext. 0 or in the evening at 275-7067.

Mr. and Mrs. John Frieze are the proud parents of a baby girl. Born April 17, Barbara Ann has loudly announced her arrival to her sisters, Janice and Mary Jo. John is a member of the third shift in Engine Manufacturing.



## WELCOME



## NEW EMPLOYEES

*A big Estes welcome goes to the six new members of the "model rocket" team.*

Troy Carroll has joined the staff as the Executive Director of the Finance Division. Originally from Oklahoma, Troy and his wife Ann live in Colorado Springs with their three sons. Troy enjoys fishing and is an avid supporter of Little League baseball.

Engine Manufacturing is happy to have Phillip Cline join the third shift (graveyard). Phil, originally from Buena Vista, lives in Canon City with his wife Violet and their three children. Outdoor summer activities are favorite pastimes for the entire family.

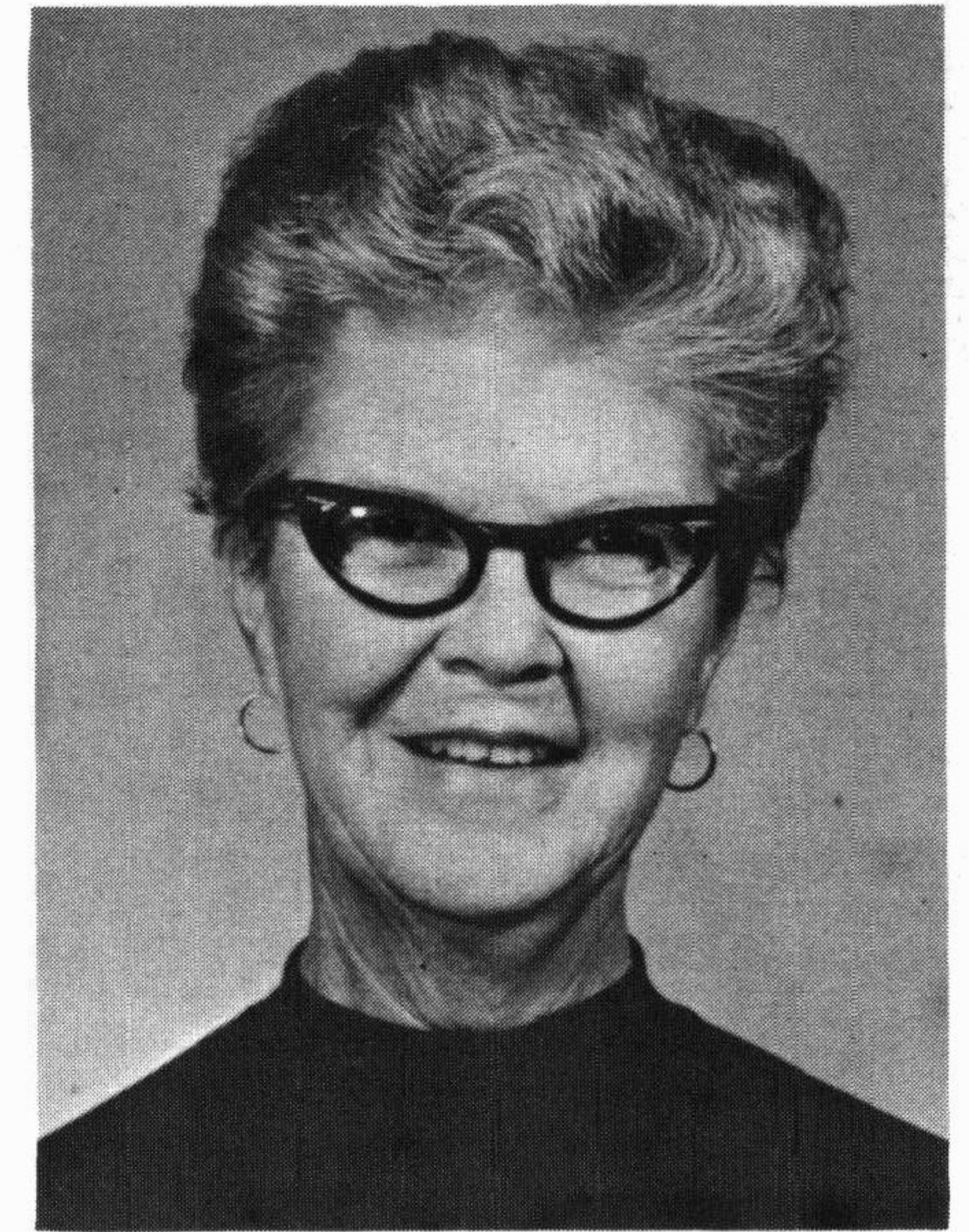
Christina Gallegos, a Pueblo resident, is excited about working on the second shift (swing) in Dealer Services. When she isn't working or attending classes at business college, Tina enjoys sewing and watching spectator sports.

The Estes secretaries welcome Lorna Piper to the company. Lorna is the secretary for Don Beebe, Executive Director of the Marketing Division. Residents of Penrose, Lorna and her family are interested in raising and training pure bred Arabian horses.

Oil painting and visiting with her family and friends help Violet Garrett enjoy her spare time. Violet, who has recently joined the second shift in Kit Packing, plans to spend the next few weekends moving from Hotchkiss, Colorado to Canon City.

Working on the third shift in Shipping will allow Roberta Holesworth plenty of summer days to spend with her husband Bill and their three children. Roberta enjoys mountain climbing and sewing.

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**VIOLET LONG**

After graduation from school, Vi met and married Hardy Long, a young man from Missouri. Since both enjoyed traveling, Vi and Hardy lived in many parts of Colorado before they settled in Florence. The climate and the friendly people convinced them that Fremont county would be a pleasant place to live.

Vi joined the young Estes team in December, 1966, as a kit-packer. Before she had learned what parts to pack, the departments began the whirlwind move from the original three-room building to the "new blue building". A second move brought the department to the building that presently houses the office complex. Although growth was apparent throughout the company, kit-packing finally became so large that it had to be separated from the Shipping Department. After a third transfer the kit-packers were at home in their present location. "I really do enjoy my work here," Vi stated. "It is hectic, but we do a lot of work and have fun doing it."

The emigrants watched Scotland slowly disappear against the horizon as the ship steamed out into the Atlantic. Behind them lay happy memories and the security of being with friends. Ahead were the hopes and dreams of a new life in America.

The sober thoughts of the adults meant very little to seven-year-old Violet. How could anyone be quiet when there was so much to do? Vi, her sister, and three brothers stared at the strange faces around them, captivated by the activity on the ship. Before Scotland was out of sight, Vi, now a member of the first shift in Kit Packing, and her younger brother had disappeared on their first exploration tour of the deck.

To Violet and her family, America meant Walsenburg, Colorado and the home of an aunt. Soon after their arrival, however, they moved to Trinidad where Vi's father had a job as superintendent of a mine. Their new home was established.

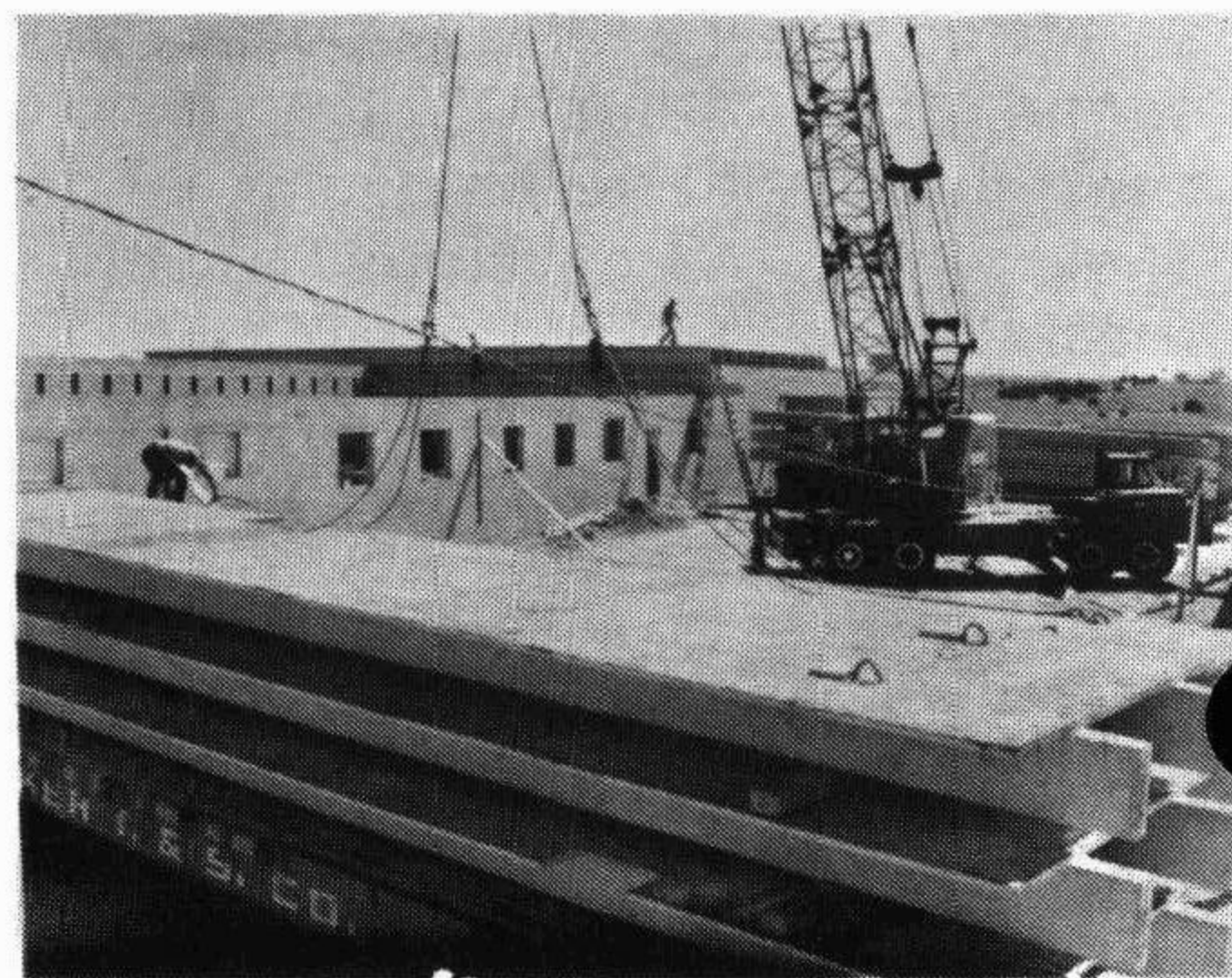
## HURRY BACK

The first shift in Shipping misses the bright smile of Ruth Breece. Ruth is presently in the Florence Hospital.

John Zamparelli, first shift supervisor in the Wood Shop, has also had a recent stay in the hospital. He is now recuperating at home in Canon City.

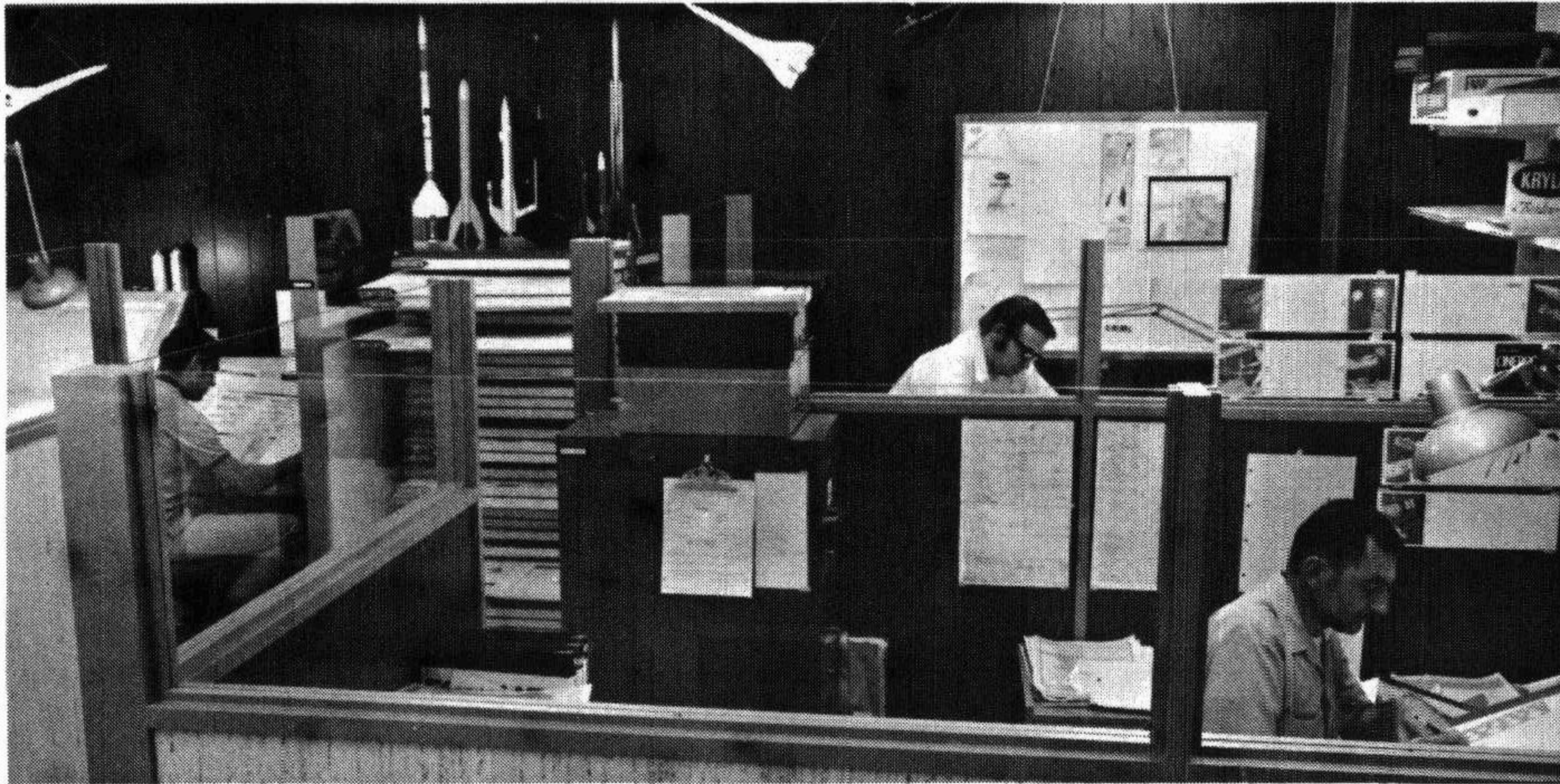
We wish Ruth and John a complete and speedy return to health. If you have a moment, drop them a get well message to brighten the day.

## PROGRESS PICTURE



**The New Woodshop**

## FOCUS ON: VISUAL GRAPHICS



### Art & Composition Services

Typeset . . . paste-up . . . photograph . . . print . . . collate. What do these jobs have in common? Each is a step in the process that produces printed materials at Estes Industries. Each word also describes part of the work done by Visual Graphics personnel as the crew works together to produce the booklets, instruction sheets, and package labels needed by other departments in the plant.

When a publication such as the Model Rocket News, a technical report or the Launch Pad has been written, the copy is sent to Art & Composition Services for the initial preparation. The varityper operator aligns the columns and helps pick the size of the lettering on the page.

Working on a glass-topped layout table, the paste-up artist arranges the typed columns and adds illustrations. He uses a sticky backing on the paper that allows him to rearrange the work to his satisfaction.

After a layout has been prepared, it must be photographed. The photographic Services personnel

use a large process camera to photograph paste-ups. This camera can reduce material to 20% of its original size or enlarge it three times. Careful, accurate timing by the lab crew helps produce clear negatives for printing.



**Paul Becker at the Cineroc film Slitter**

Actual photographs to be printed, such as the pictures in the "Pad", require a special process called half-toning. Each picture is broken

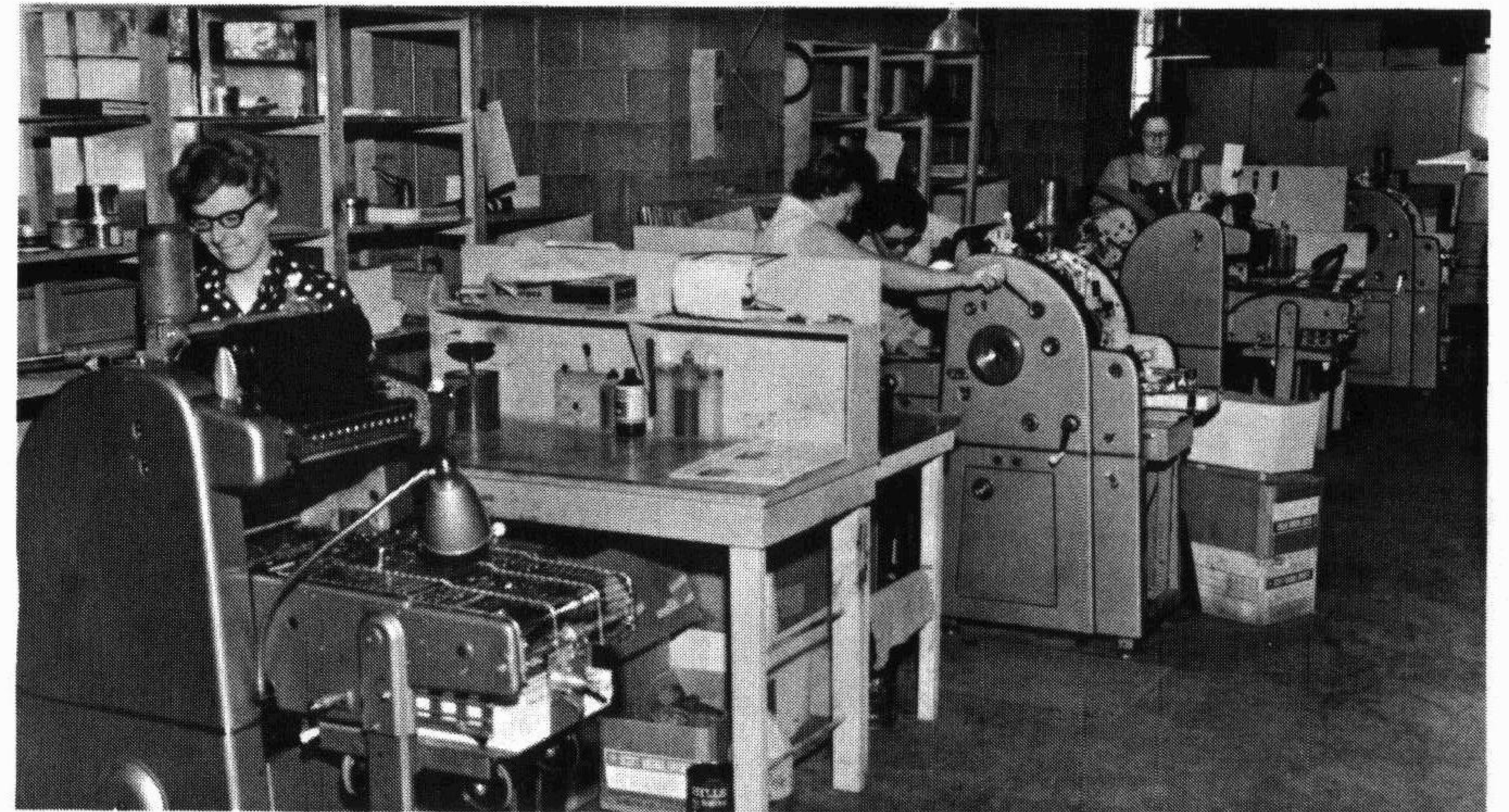
up into a series of tiny dots that will pick up the ink when it is printed. The preparation of a good half-tone demands skill and patience.

Once the line negatives and the half-tones are prepared, they are fastened together on a sheet of paper called "goldenrod". Named for its color, the paper blocks the unwanted light in the final printing process. Openings are cut out for the negative.

The presses start to roll when the negatives are finally brought to the Print Shop. A press operator

steady flow of material coming off the presses to serve us and our customers. Charles Wagner, Manager of Visual Graphics, estimates that over a quarter of a million sheets of paper are used on a busy day.

Collating printed material is another vital function of the Print Shop. If a publication consists of more than one sheet of material, the page must be collated or put together to form the desired booklet. By hand, the task can be enormous. The collating machines speed the job considerably.



### Print Shop Section

places the entire layout on a light-sensitive metal plate. Exposure to a strong light "burns" the images from the negative onto the plate. The plate is developed with a special fluid.

As the press is put into operation, the image on the plate is transferred to a blanket, then from the blanket to the paper. This process is called offset printing. After the desired number of copies have been printed the plate may be removed, stored and used again whenever needed.

The press operators keep a

Following the collating, the material is folded and stapled. These steps are frequently separated on small jobs. On a large publication, the large collator is used to automatically complete all three processes, producing a completed booklet in a matter of seconds.

Although each department in Visual Graphics also works on individual projects, their team work in the production of published materials is an essential part of the Estes operation. Hats off to the crew in Visual Graphics.