

Dramatic Photos Show Firing. . . .

# Army Adds Corporal Guided Missile To Weapons List

THE Department of the Army has announced the addition of the Corporal Guided Missile to the fast-growing list of new weapons to be used in support of ground combat operations. The Corporal is produced by the Firestone Company and delivery is being made to troops.

Equipped with either an atomic or conventional type warhead, the Corporal is a surface-to-surface guided missile capable of engaging tactical targets far beyond the ranges of artillery or the new 280mm gun and "Honest John" rocket. The weapon gives the field commander far greater firepower on the battlefield and enables him to strike selected targets deep in the enemy rear areas.

THE CORPORAL follows a ballistic trajectory in its flight to the target. Weather and visibility conditions place no restriction on the use of the weapon. Motive power is supplied by a powerful rocket motor. The missile travels through

## Plant Roof Now Has New Aviation Marker

A new air marker has been painted on the roof of the plant by members of the Gastonia Squadron, Civil Air Patrol. The sign replaces a marker which was covered by the last coating of asphalt and gravel applied to the roof. The new sign, which will identify Gastonia and point to the Municipal Airport for the benefit of aviators passing over, was painted with long lasting traffic paint furnished by the city.

## Stork Club

Mr. and Mrs. Hobart Mann, Jr., announce the birth of a son, David Keith, on Wednesday, June 9, at Gaston Memorial Hospital. Mr. Mann is a twister tender.

Jack Guffey, doffer, and Mrs. Guffey announce the birth of a son, Donald Ray, on May 14 at Gaston Memorial Hospital.

Twister Tender Hillard Terry and Mrs. Terry announce the birth of a son, Hillard, Jr., on May 26.

Doffer Kenneth Bell and Mrs. Bell announce the birth of a son on June 17, at Gaston Memorial Hospital.

## Service Awards

### FIFTEEN YEAR PINS

Spinning  
Clinton Guffey

### TEN YEAR PINS

Carding  
Opal Bradley  
Twisting  
Eunice W. Jacobs  
Jack E. Tino  
Alder H. Hass  
Quality Control  
Alva Cecil Bryant

### FIVE YEAR PINS

Twisting  
Romulus L. Richburg  
Hubert G. Taylor  
Cordie S. Hardin  
Fred E. Elkins  
Rayon Weaving  
Ruth Teague  
Cotton Weaving  
May M. Jones  
Shop  
Grady C. Johnson

space at several times the speed of sound.

Essential components of the weapon's system include the missile, a mobile launcher and guidance equipment. The launcher is a comparatively simple device consisting of a light metal take-off pedestal. A self-propelled, hydraulically operated erector places the missile in firing position on the take-off pedestal.

As early as 1944, the California Institute of Technology, under an Army Ordnance contract, began

experiments in the application of rocket propulsion to artillery range missiles. These predecessors of the Corporal were named the Private, the Private First Class, and the WAC Corporal. Much of the field test work was conducted at the Army's White Sands Proving Ground, in New Mexico.

THE EARLY SUCCESS of the experiments and the great potentialities of rocket propulsion led to the establishment of the Jet

Propulsion Laboratory, an Army Ordnance owned installation operated under contract by the California Institute of Technology. Recognizing the progress made in the fields of rocket propulsion, aerodynamics and guidance, the Army requested the California Institute of Technology and the Jet Propulsion Laboratory to undertake a full-scale guided missile development project. The result of this program is the present model of the Corporal.

## 1st Three Months Of '54 Stand As Company's Safest

The first three months of 1954 have proved to be the safest to date for our Company plants. In a recent report the Safety Department announced that the frequency rate has been reduced by 23 per cent and the severity rate by 61 per cent.

At the end of March the Company's accident frequency rate was 1.3 as compared with 1.6 last year at the same time. The severity rate was only 0.11 as compared with 0.28 last year.

Fourteen plants of the Company had an accident frequency rating of 0.0 with no lost-time accidents reported during the first quarter. Included in these 14 are: Plant 2, Pottstown Tire Plant, Hamilton, Canada; Akron Steel Products, Port Elizabeth, Lake Charles, Bennettville, Akron Synthetic Plant, New Castle, Memphis Flotation Gear, Woodstock, Canada; New Zealand, Los Angeles, Xylos, and Memphis, Xylos.

## Company Sponsored Films Added To Movie Schedule

In addition to the regularly scheduled movies each Friday night in the playground, the following films—made available by the Company—will be shown on the dates indicated: "Goggles and Gauntlets"—July 30; "America's Future Progress Depends on Better and Safer Highways"—August 6; "Liberia, Africa's Only Republic"—August 13; and "The Fabulous 500"—August 20.

## In Memoriam

### MRS. EARL HAMILTON

The employees of the Twisting Department extend their deepest sympathy to Earl Hamilton, twister tender, in the recent death of his wife, Mrs. Earl Hamilton.

### MRS. J. C. McCRAW

Mrs. J. C. McCraw, wife of John McCraw, Carding Department, died at her home on Hooper Street, June 13, following a long illness. Mrs. McCraw was the mother of Mrs. Polly Carpenter, SYC Weaving Department. Deepest sympathy is extended to the McCraw family.

### MR. WALTER B. LUNSFORD

Mr. Walter B. Lunsford, father of Mrs. Jean Alexander, Main Office, passed away July 6, at Des Arc, Arkansas. The employees of Main Office extend their deepest sympathy to the family.

### JOHN W. GALLOWAY

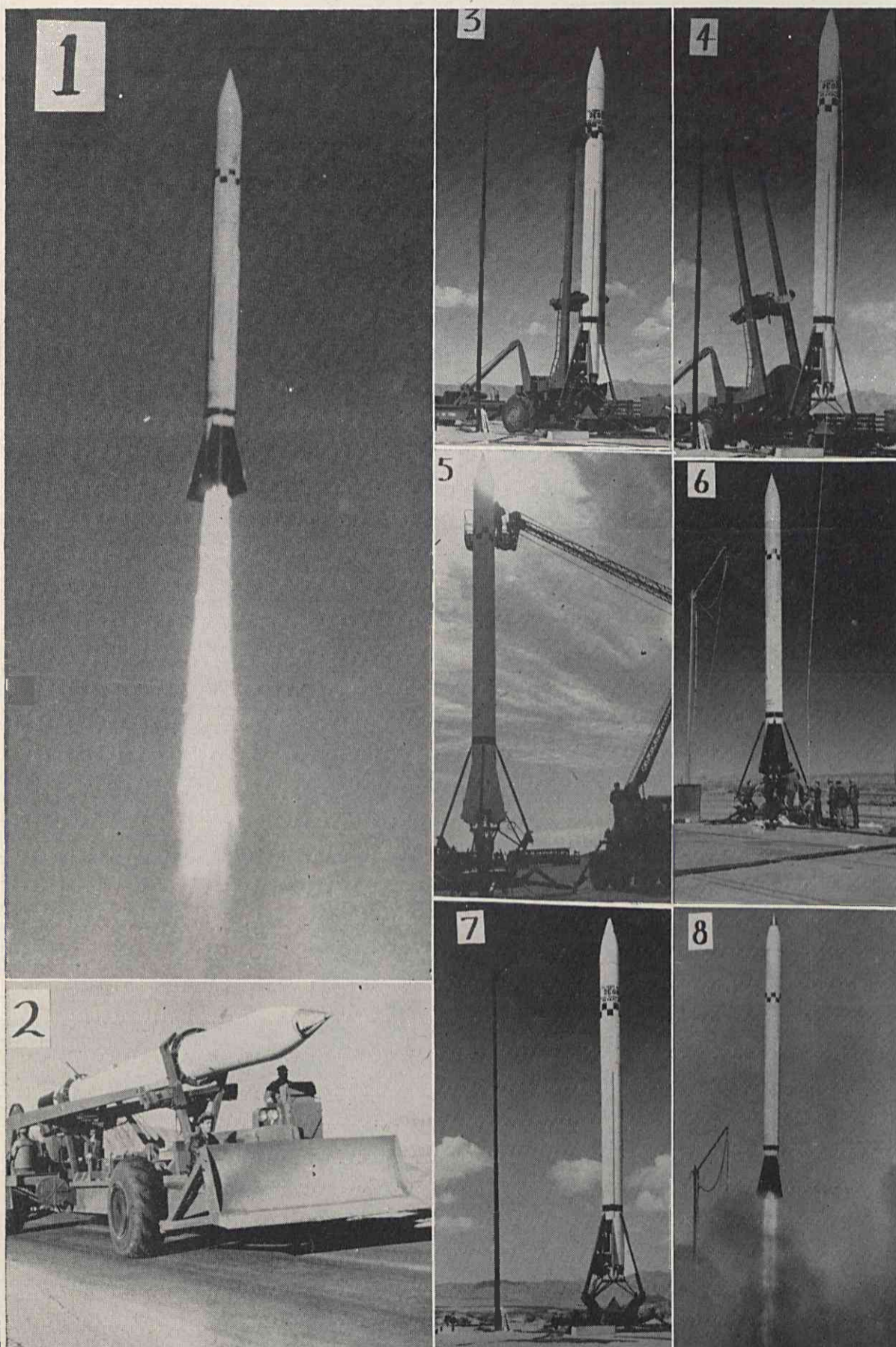
John W. Galloway died at the age of 84 on May 10. Burial was held in Hiawasee, Ga. Mr. Galloway was the grandfather of Mrs. Era Gribble, tie-in-hand, and made his home in Gastonia.

### BEN ROGERS

Ben Rogers, father of Herman Rogers, yarn man, died at his home in Franklin, N. C., on Friday, May 21.

### MR. LEWIS P. HOPE

Lewis P. Hope, father of Doffer Boyd Hope and Doffer Loyd Hope, passed away Sunday, May 30. The employees of the Twisting Department extend sympathy to the Hope family.



(1) IN FLIGHT at White Sands Proving Ground, N. M., is the Corporal, the U. S. Army's Surface-to-Surface Guided Missile. The missile is produced by the Firestone Company for the Army. Firing of the missile is shown in these dramatic official Army photos released by the Department of Defense. (2) THE CORPORAL is carried on its tactical transporter-erector at start of preparations for firing. (3) BEING ELEVATED to erect position by its erector, the Corporal is shown as firing preparations start. (4) HAVING RAISED the Corporal to a firing position, the erector is lowered to its traveling position on the transporter. (5) INSPECTING the missile on the "Servicer." (6) FINAL ADJUSTMENTS are made in preparation for firing. (7) THE MISSILE is ready for firing. (8) JUST AFTER "Take-Off," the missile starts toward its target.