

Army Fire Order Gets New Twist 'Ready, Fire, Aim'

Army Now Has Weapons That Aim After Trigger Is Pulled

The Army now has weapons that aim themselves after the trigger is pulled—and it is almost impossible for them to miss a target.

Enemy planes can dive, climb, bank, side-slip or turn tail—but the Army's new weapons still will knock them out of the skies.

Fantastic though it may seem, one of the Army's surface-to-air missiles—the Nike—carries a guidance system designed to allow the missile to out-manuever and hit enemy aircraft.

Some guided missiles seek their targets with ingenious guidance devices often referred to as the "command," "beam rider" or "homing" systems. In the command system, a ground radar station tracks the missile and its target. An electronic computer calculates the angles necessary to assure that the missile hits its target and transmits instructions to the missile, which shifts its course accordingly.

A "beam rider" missile follows a path marked out in space by a radar beam from the ground. As long as the beam tracks the target and the missile stays on the beam, a collision with the target is inevitable.

"Homing" guidance systems permit missiles to find their way without "instructions." These missiles ride an "echo" beam reflected from the target and adjust their own path until they meet the target.

Various systems can be used to guide surface-to-surface missiles to their targets. These include:

1. The pre-set guidance system.
2. The terrestrial guidance system.
3. The celestial navigation guidance system.
4. The radio navigation guidance system.
5. The inertial guidance system.

A missile using the pre-set system streaks toward a stationary target along a path determined by settings made inside the missile prior to its launching. These settings cannot be re-adjusted after the missile is in flight.

Greater accuracy is obtained from missiles using the terrestrial guidance system. Missiles using this system depend on internally-carried devices designed to react to some phenomena of the earth. To maintain or change its course, the missile's complex nervous system reacts to forces exerted by the magnetic, electrical or gravitational fields of the earth.

The celestial navigation guidance system is similar to methods used by mariners at sea. Guidance is obtained through use of star-tracking telescopes locked on previously selected stars prior to launching. Missiles using this system cannot be diverted off course by enemy electronic counter measures.

The Army also uses the radio navigation guidance system to send missiles along a desired course. Internally-carried radio receivers "listen" for signals from one or more radio transmitting stations on the ground to maintain or adjust the missile's course.

The inertial guidance system requires a more complex missile but has no electronic ground equipment. This system makes use of a series of sensitive "accelerometers" to "tell" the missile how far it has gone toward a target. It brings into play other complex devices to correct flight path deviations caused by external forces

Honeymoon in Canada



DID YOU KNOW that Canada is fast becoming the Lover's Lane of the Western Hemisphere? More and more honeymooners are dusting the rice from their hair, the confetti from their luggage and heading North for the most exciting journey of their lives. Here, in the shadow of the Peace Tower of the Parliament Buildings in Ottawa, a Royal Canadian Mounted Police constable cheerfully directs a pair of "typical" honeymooners—complete with camera. If you're planning a honeymoon—or just a two-week jaunt to new and different places, the Canadian Government Travel Bureau in Ottawa will furnish free trip information on your request.



Let's capture summer sunshine in making jellies, jams, and preserves. Get wonderful flavor in a sparkling, quivering yet firm jelly and homemade jams and preserves.

Stretch your dollars with good home management practices, saving energy and time for reading, visiting your friends, and sharing citizenship duties in your community.

To separate utensils and keep them in place, a removable partition can be made to fit cabinet drawers. Use them for your kitchen and table silver, too. This makes for more efficient work and ease in doing the job.

Guided missiles that seek out and destroy enemy targets are not tomorrow's weapons—the Army has them today.

Travel Record In State

Travel to the two National Park facilities in Western North Carolina broke all records in May. The Blue Ridge Parkway was visited by 547,520 persons in 138,692 cars and the Great Smoky Mountains National Park by 165,067 persons, for a total of 622,587—an increase of 33 per cent over May of 1952.

The Blue Ridge Parkway, now the most used of all National Park facilities, meets the Great Smoky Mountains National Park in North Carolina at the new link from Soco Gap on U.S. 19, to Heintooa Overlook, which is being formally dedicated on June 22, but has been open to traffic since May.

Comb and brush should always be kept scrupulously clean. Wash daily if possible, and always after your hair has been shampooed. The cleanest hair is hair that is groomed daily with clean comb and brush. There is no point in washing your hair if it is to be brushed with yesterday's dust and oil on your comb and brush.

A warm, friendly smile is a great personal asset.

Every person, young or old, needs friends. The quality of friendship must be genuine. A smile reflects our emotions and philosophy of life.

Mrs. J. W. Williams Dies Near Colerain

Mrs. J. W. Williams, 75, died suddenly as the result of a heart attack at the home of her son, Cephus Williams, near Colerain at 11:55 o'clock Friday night.

Surviving are three sons, Charlie A. Williams and T. C. Williams of Washington, D. C., and Cephus Williams of Colerain; two daughters, Mrs. Mary J. Castello and Mrs. Myrtle Phelps of Colerain; one brother, Dwight Cobb, of Windsor; two sisters, Mrs. Pattie Conner of Portsmouth and Mrs. Ruth White of Windsor. Twenty-two grandchildren and 23 great grandchildren also survive.

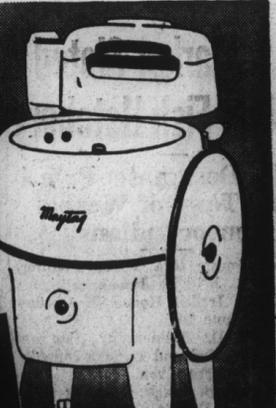
Deceased was a member of Green's Cross Baptist Church, where funeral services were held Sunday afternoon at 3 o'clock with the Rev. Mr. Thompson, pastor of the Mars Hill Baptist Church, officiating. Burial was in

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Beaver Hill Cemetery.
Active pallbearers were Waddell Holloman, Charles Blake, Richard Taylor, Jake Perry, Walter Phelps and Hubert Williams.
Honorary pallbearers were Henry Cobb, T. D. Mitchell, Johnny Davidson, Roy Matthews, Raleigh Turner, Fenton Turner, W. R. Jones, Solomon West, Dewey White, Thurman Powell, Dave Northcutt, Virgil Northcutt, Reddick Harrell and Lewis Todd, Jr.
Flattery is still the best way to get to first base.

Legal Notices

North Carolina, Chowan County.
The undersigned, having qualified as Administratrix of the estate of A. M. Harrell, deceased, late of Chowan County, this is to notify all persons having claims against said estate to present them to the undersigned on or before the 19th day of June, 1954, or this notice will be pleaded in bar of their recovery.
All persons indebted to said estate will please make immediate payment to the undersigned.
This 15th day of June, 1953.
EUNICE HARRELL,
Administratrix Estate A. M. Harrell, Deceased.
Address: Mr. Robt. Perry, Jr., Route 3, Hertford, N. C.
Herbert Leary, Attorney.
June 18, 25 July 2, 9, 16, 23c

North Carolina, Chowan County.
The undersigned, having qualified as administratrix of the estate of N. S. Harris, deceased, late of Chowan County, this is to notify all persons having claims against said estate to present them to the undersigned on or before the 19th day of June, 1954, or this notice will be pleaded in bar of their recovery. All persons indebted to said estate will please make immediate payment to the undersigned.
This 15th day of June, 1953.
CORNELIA P. HARRIS,
Administratrix,
108 East Carteret Street.
Herbert Leary, Attorney.
June 18, 25 July 2, 9, 16, 23c

North Carolina, Chowan County.
NOTICE OF EXECUTRIX
The undersigned, having qualified as Executrix of the estate of Julia Arterbridge, deceased, late of Chowan County, N. C., this is to notify all persons having claims against said estate to present them to the undersigned on or before the eleventh day of June, 1954, or this notice will be pleaded in bar of their recovery. All persons indebted to said estate will please

make immediate payment to the undersigned.
This June 11, 1953.
FANNIE A. PARKER,
Executrix of the Estate of Julia Arterbridge, Deceased.
June 11, 18, 25, July 2, 9, 16c.f.a.p

County, N. C., this is to notify all persons having claims against said estate to present them to the undersigned on or before the 23rd day of April, 1954, or this notice will be pleaded in bar of their recovery. All persons indebted to said estate will please make immediate payment to the undersigned.
This 21st day of May, 1953.
LEON G. LEARY,
Executor of George W. Leary, Deceased.
May 21, 28, June 4, 11, 18, 25c

NOTICE!
My office will be closed June 22nd through June 27th during my attendance at the American Optometric Convention.
Dr. A. F. Downum
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