



**CITY FATHERS** were proud of this first fire truck that replaced old hose carts. For many years volunteer firemen have given annual dances to help buy equipment. Front, left to right, are Dick Stevenson, former city marshal; Ivan Petrasek, Fred McDonald, Ed Petrask, Jack Steyskal, Anton Petrask, Leo Kamarad, A. Kalina, Orville Kenyon. Upper row, Enoch Petrask, Mervyn Wilde, Paul Petrask, Louis Kalina, fire chief, and Adolph Zweigart. No member of department, past or present receives pay for answering fire calls.

**SURVIVOR**  
HOLLYWOOD (UPI) — Football star Frank Gifford offers this comment on his role in Warner Bros. "Up Periscope": "This is my first good part; I get shot in the film and live through it."

**GOLD-CONSCIOUS ALASKA**  
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## Pentagon Checking Ideas For Destroying Missiles

By RAY CROMLEY  
NEA Staff Correspondent

WASHINGTON (NEA) — Scientists are fiddling with the idea of an electro-magnetic wave that could "blow out" the flame of a missile blasting off hundreds of miles away.

Blowing out the flame should force the missile to fall, and perhaps make it fall back and explode on home soil.

No one is certain this "blowing out" is possible. But scientists do know that a missile flame isn't continuous. It goes on and off. If they could find out how to focus electromagnetic waves of the right type at long distances—and if there is a right type—they'd be on the way to a redhot weapon.

If this idea does prove feasible, it might some day be possible—with the proper equipment in satellites 200 miles up—to stop Soviet ballistic missiles before they get started.

U.S. defense scientists also are toying with another eerie missile destruction idea.

They recall Enrico Caruso was able to destroy wine glasses by singing just the right note. The "correct" sound caused the glass to resonate—or vibrate—in such a

way that it tore itself apart.

Pentagon scientists conjecture it might be possible to hit a speeding missile with just the right frequency to cause a missile to shake itself apart.

Even now, scientists at industrial laboratories are working on molecular resonance. They're trying to learn the exact frequencies at which molecules vibrate in various materials. They want to know what frequencies to "insert" into these materials to cause a change.

Such an electromagnetic wave, even if it didn't destroy a missile, might alter its insides. If the missile contained an atomic bomb, the proper wave might change the fissionable material a little and make it non-explosive.

If the scientists can figure out the right wave, how to make it go several hundred miles, and how to "aim" it, they may have something.

These ideas, even if workable, probably would not be practical before 1970. But U.S. defense men already are pushing studies on a rush basis. Why?

Top U.S. strategists have decided there is no foreseeable defense against the intercontinental ballistic missile.

In blunt terms, Nike-Zeus and other potential anti-missile systems are expected to be about "one hundredth" as effective as what's necessary to protect U.S. cities against missile attacks in the mid 1960's.

The strategists therefore see no defense against these missiles within the next 10 years.

They think trickier missiles will be developed faster than schemes for shooting them down.

They're not satisfied with fearsome retaliation as a deterrent. They don't relish seeing major U.S. cities laid bare even if they know they can "burn" twice as many Soviet cities.

So, along with fearsome retaliation—they've decided on a new and desperate gamble.

They're preparing to throw millions into new research projects so fantastic some have not even shown up in the comic books.

The Pentagon thinkers have a host of ideas they want to look into. They gamble one will pay off. They're sure Nike-Zeus never will... except as a lead to something else.

These men reason that a ballistic missile — at 15,000 miles an hour — has enough energy in its speed to burn itself up, just as a satellite or meteor burns when it hits the atmosphere. The problem: how to slow the missile quickly enough so it will overheat and burn.

Scientists are toying with the possibility of using the earth's magnetic field, or electrons trapped in that field, or cosmic rays, to set up some type of electronic or magnetic barrier in parts of the sky that would in one way or another slow down a missile.



**THIS WOULD BE** the moment at which an attempt would be made to "blow out" the missile's flame.



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