

SIDEWINDER



*A proven
retaliatory
defense weapon,
Sidewinder
is operational with the
Navy and the Air Force. It
brings unprecedented mobility
to our combined striking power.*

*While serving
the needs of the
military for defense
weapons such as the
Sidewinder, Philco's
ambitious research program
is exploring the future to
provide for our national defense.*



CONTINUOUS PHILCO COOPERATION WITH THE MILITARY



Sidewinder requires no complex launching system or special pilot training, it maneuvers easily at supersonic speeds, and displays extremely high accuracy. Even more important, it can be launched well beyond the reach of the target aircraft's defense.



Streaking through the skies on its mission of air-to-air defense, the deadly Sidewinder is an important defense weapon of the Navy and Air Force's modern arsenal. Engineered and produced by Philco, this supersonic homing bird is a cordial invitation to split-second destruction for any enemy aircraft.

Sidewinders are in operational use with the Navy's Sixth Fleet in the Mediterranean and the Seventh Fleet in the Western Pacific. The Air Force has also armed many of its newest jet fighters with this nine-foot, 155 pound missile.

Invitation to SUDDEN DESTRUCTION

... even the tiny glow of this cigarette will activate the supersensitive, infra-red control of this deadly missile.



Y ASSISTS IN STRENGTHENING OUR NATION'S DEFENSES



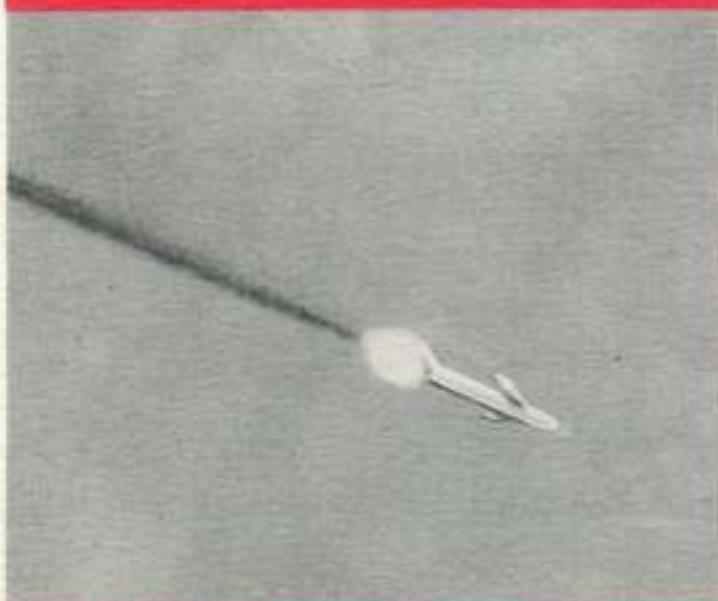
Sidewinder, a deadly, infra-red guided (heat-seeking) missile is being used not only by our Navy and Air Force, but by friendly foreign nations as well. Successfully employed by the Chinese Nationalists against communist jets during the Quemoy crisis of 1958, Sidewinder is the only air-to-air missile ever to have destroyed an enemy aircraft under actual combat conditions.

Manufactured by Philco's Government & Industrial Division, Sidewinder was conceived at the U. S. Naval Ordnance Test Station, and developed by Philco.

Both the Sidewinder missile and the desert rattlesnake for which it is named, strike their targets by homing in on the infra-red radiations (heat) which the targets emit. Thus, the hot exhaust of any enemy jet becomes the target for this heat-seeking missile. They can actually zoom into the tailpipes of jet aircraft and destroy them in a fiery explosion.

This economical weapon is truly a guided missile since it can change its course to account for evasive action of enemy planes. Sidewinder has the reputation of being the most accurate air-to-air missile used by the Navy and Air Force.

Defender plane, armed with wing-mounted Sidewinder missiles, pursues target . . . Sidewinder is fired . . . guided by infra-red, the missile "homes" in on target . . . bringing sudden and inescapable destruction to the invader.



Simple in operation, small and light enough to be carried in quantity by single-seat interceptors, Sidewinder can be fired singly or in salvos.



Philco is proud to contribute its world famous scientific knowledge and skill to the development of our country's modern electronic defenses —ever mindful that they lead to new and advanced products for tomorrow's peacetime living.



PHILCO

PHILCO CORPORATION
Government & Industrial Division

4700 Wissahickon Avenue
Philadelphia 44, Pennsylvania