Russia May Be Testing the THE NEW YORK TIMES, SUNDAY, AUGUST 20, 1967 Re-Entry of Weapons From Space By EVERT CLARK

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Special to The New York Times WASHINGTON, Aug. 19--An unusual sequence of space launchings by the Soviet Union has led some American officials to conclude that the Russians are testing techniques for reentering warheads from space.

This could mean that the Russians are developing weapons to be stationed in orbit. Weapon re-entry techniques can be tested with or without the use of weapons, and the same reentry techniques can be used for either nuclear or conventional weapons.

The flights began last Sep-tember in what was unusual secrecy even for the Russians. The most recent flight in the series of seven was made 11 days sec. days ago.

U.N. Resolution Recalled

Since before the space age began, military analysts have discussed the possibility of sta-tioning weapons in orbit. The bly in 1963 with Soviet sup-tioning weapons in orbit. The bly in 1963 weapons in the source of the sour tercept other missiles launched mass destruction in orbit.



Launching site is at cross.

ideas proposed have included port, calls upon all states to re finally listing them in an of-bombs, missiles that could in frain from placing weapons of ficial catalogue even though

ers boasted in November, 1965, of an "orbital missile" that could deliver nuclear warheads "on the first or any other or-bit around the earth."

Not until last September, however, did the Russians conduct a launching that appeared to be a test of such a weapon.

That flight, on Sept. 17, 1966, was made from Tyuratam in Kazakhstan. Its angle of incli-nation to the equator was different from that of any previous Soviet shot.

Soon after launching, the ve-hicle was observed by Western tracking stations to break into at least 80 pieces. On Nov. 2, 1966, a similar shot was made. Russia did not report the

launching of either vehicle, al-though it has long used its so-called "scientific" cosmos satellite series to disguise military flights, according to American

Russia had never announced

tercept other inspired and manned bom-from earth and manned bom-bers and inspection-interceptor this prohbits the development of such weapons as never been military men said privately that source military lead-they suspected Moscow had

from Tyuratam at a 49-degree angle. This one apparently did angle. This one apparently did not break into a great number of pieces as the two earlier flight for a very short time. This time, Russia announced the flight as Cosmos 139, pre-sumably deciding that Western detection and discussion of the two earlier flights made it use-not exist. It

that the satellite would take to complete each revolution in Bur space.

short-lived minded Congressmen late last The unusual. flights at 49 degrees from the March that studies of a space-Tyuratam base have been re-based anti-missile system were peated at least four more times abandoned three years ago be-since. Each was given a Cos- cause the work was "much too costly. mos number.

Both the United States and Russia are developing maneur-ripe again," he said, "to look erable warheads for missiles—at the whole question because warheads that can alter their the costs of putting things in paths late in the flight in order orbit have gone down dra-to confuse interceptor missiles. matically, so that the over-all But the United States is not cost of the system ought to believed to have experimented come down significantly."

finally begun tests of the re-extensively with the precise entry of warheads from orbit. control of re-entry vehicles On Jan. 25 of this year, Rus-from orbital trajectories, even On Jan. 25 of this year, has from to other, tay fights, sia again launched a vehicle with its secret military flights. from Tyuratam at a 49-degree Many of the techniques have

not exist. ii But Soviet announcements did not report a period for Cos-mos 139--the length of time secretive than earth-based mis-that the satellite mould taken to be an earth-based mis-

But Dr. Charles M. Herzfeld, then a Pentagon scientist, re-