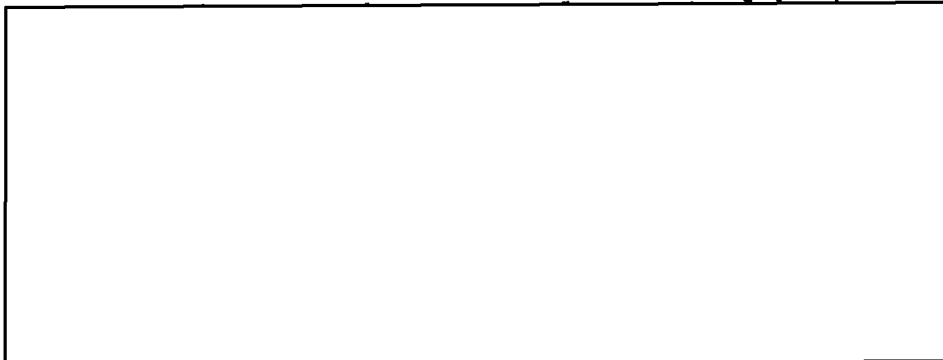


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30 October 1967

SS-N-2 (STYX) Naval Cruise Missile

1. The Israeli destroyer Eilat was sunk by STYX cruise missiles off Port Said on 21 October.



A total of four missiles were fired but only two hit the Eilat.

2. The STYX, which achieved initial operational capability in the USSR in 1960, is driven by storable liquid fuel to a maximum range of 20 nautical miles, at an altitude of 300 to 1,000 feet. It delivers a high explosive warhead of 500 to 1,000 pounds. We have the technical manuals for the STYX and the ships which launch it. The launchers can neither elevate nor train, so that the ship itself must be aimed. The range is determined in part by the ship's radar horizon. The guidance is preflight programmed, with inflight radio correction, active radar terminal homing, and possibly infrared backup. The optimal range, depending on the size of the target, is about 13 n.m.

3. The STYX is launched from the Osa- and Komar-class patrol boats. The smaller Komar--a conversion of the standard P-6 PT boat--carries two launchers. It displaces 78 tons at full load, is 83 feet long, and has a maximum speed of 43 knots with an endurance of 655 nautical miles. In addition to the two single launchers (no reload capability) it carries a twin 25 mm. anti-aircraft mount. The Osa, 205 tons, 122 feet long,

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25X1

with a speed of 36 knots and a range of 875 n.m., carries four single STYX launchers and two twin 37-mm. mounts.

4. The Soviets have provided one or both of these classes to Poland, East Germany, Rumania, Yugoslavia, the UAR, Syria, Algeria, Cuba, Indonesia, North Korea and--before the Sino-Soviet split--to Communist China. The Chinese have since begun production of their own version of the Osa, and now have at least eight commissioned. Two of these are known to be assigned to the South China fleet, and have been observed in the estuary off Canton. The North Vietnamese are not known to have either the Osa or the Komar.

5. The STYX is a unique missile system which the press has improperly compared to the old US REGULUS.