

2. Electronics

The communications equipment was quite reliable throughout the trip with a minimum amount of repairs required. Prior to sailing, the voltage regulations system for the communications room was extensively reworked, and this may have been partially responsible for the reliable performance. The radars, particularly the AN/SPS-10B, required frequent repairs and adjustments. The major problem of the trip was the NAVSAT computer and receiver system. We required a good deal of assistance from CGSTA Alexandria in returning the system to operation. The CPU unit of the computer was completely replaced, along with many of the DPU cards of the receiver. STA Alexandria was extremely helpful, both with technical assistance and replacement parts and test gear.

The second half of this trip ran very smoothly, with no casualties more major than blown fuzes or worn tubes. Once repaired, the NAVSAT System functioned smoothly and without mishap throughout the second part of the deployment. The only exception was the ancient AN/SPA-4 radar repeater in CIC with an inoperative cursor. The repeater is due for overhaul upon arrival in Oakland.

The lack of casualties in the latter portion of the deployment allowed us to concentrate on keeping the gear running, catching up on paperwork, and to begin making preparations for the up-coming DEEP FREEZE 78.