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U S ARMY SATELLITE COMMUNICATIONS AGENCY
FORT MONMOUTH, N. J. • 201-532-1844

SATCOM-68- 8
23 January 1968

FOR IMMEDIATE RELEASE

PHOTO CAPTION

Today's new look in military communications--the Navy Communications Station in Honolulu with its complex of satellite communications terminals. Developed by the Army and operated by the Navy, these terminals represent two separate networks, SYNCOM and IDCSS (Initial Defense Communications Satellite System). At right are two IDCSS terminals, the AN/MSC-46, with their 40 ft parabolic antennas in beehive-shaped radomes and the vans which house the electronics command and communications gear. In operation with these terminals are the other "46's" in Guam, Okinawa, Vietnam, Philippines, Germany, Ethiopia and Maryland. Shown at rear is the AN/MSC-45, the SYNCOM terminal which has operated successfully since 1964. Both terminals were evolved from research and development carried out by the U. S. Army Satellite Communications (SATCOM) Agency in coordination with Hughes Aircraft Company for the AN/MSC-46 and ITT Laboratories for the AN/MSC-45.