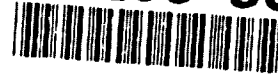


AD-A265 939

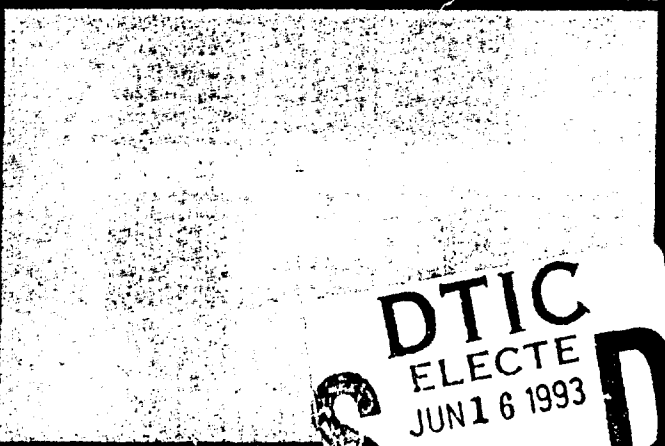
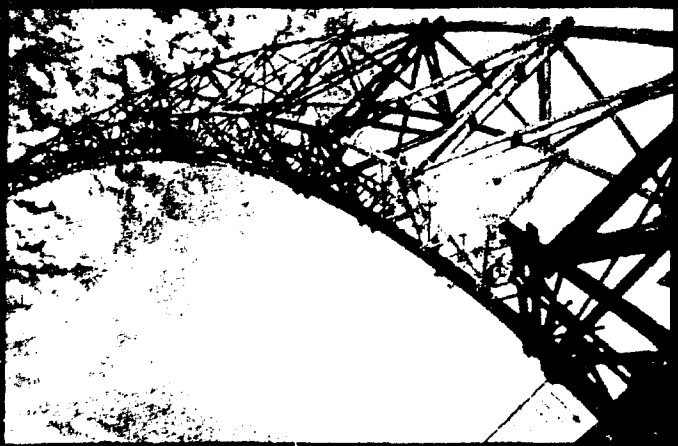
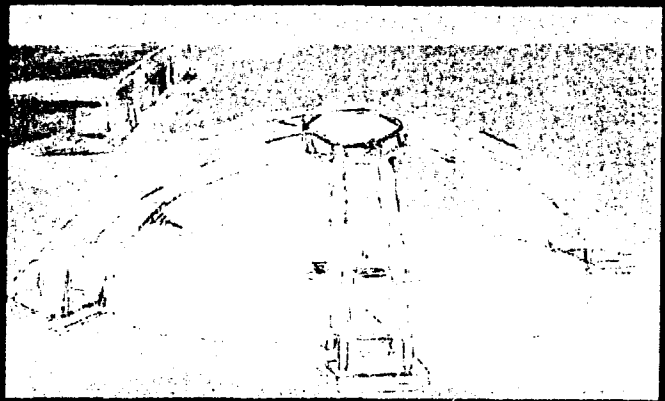
2



**CODE 825  
FREQUENCY  
DOMAIN  
LABORATORIES**

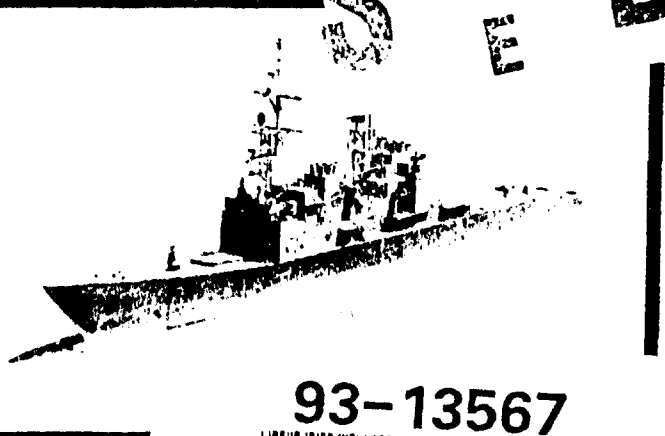


**ANTENNA  
DESIGN**



**S DTIC  
ELECTE  
JUN 16 1993  
D**

**STRATEGIC STATE**  
Approved for public release  
Distribution Unlimited



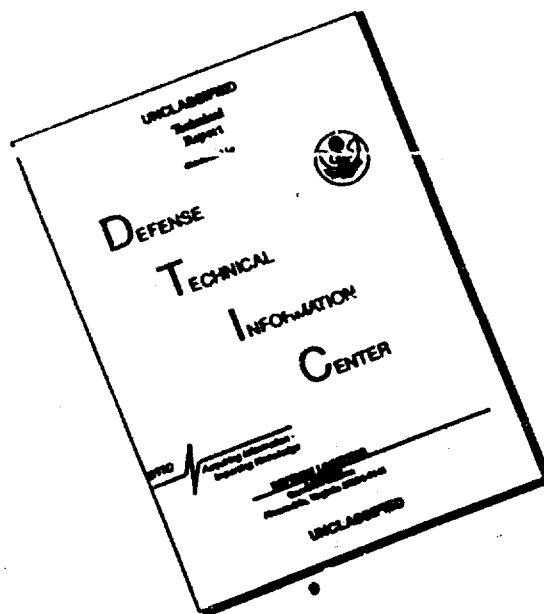
**93-13567**



93 6 15 25 8

**BEST  
AVAILABLE COPY**

# DISCLAIMER NOTICE



**THIS DOCUMENT IS BEST QUALITY AVAILABLE. THE COPY FURNISHED TO DTIC CONTAINED A SIGNIFICANT NUMBER OF PAGES WHICH DO NOT REPRODUCE LEGIBLY.**



Elevation Color  
60 Deg = Purple  
45 Deg = Red  
30 Deg = Orange  
20 Deg = Yellow  
10 Deg = Green  
5 Deg = Blue

Program Concept & Design By  
Carl Farnes, Code 825  
Linda Hanson, Code 822

**BEST  
AVAILABLE COPY**

---

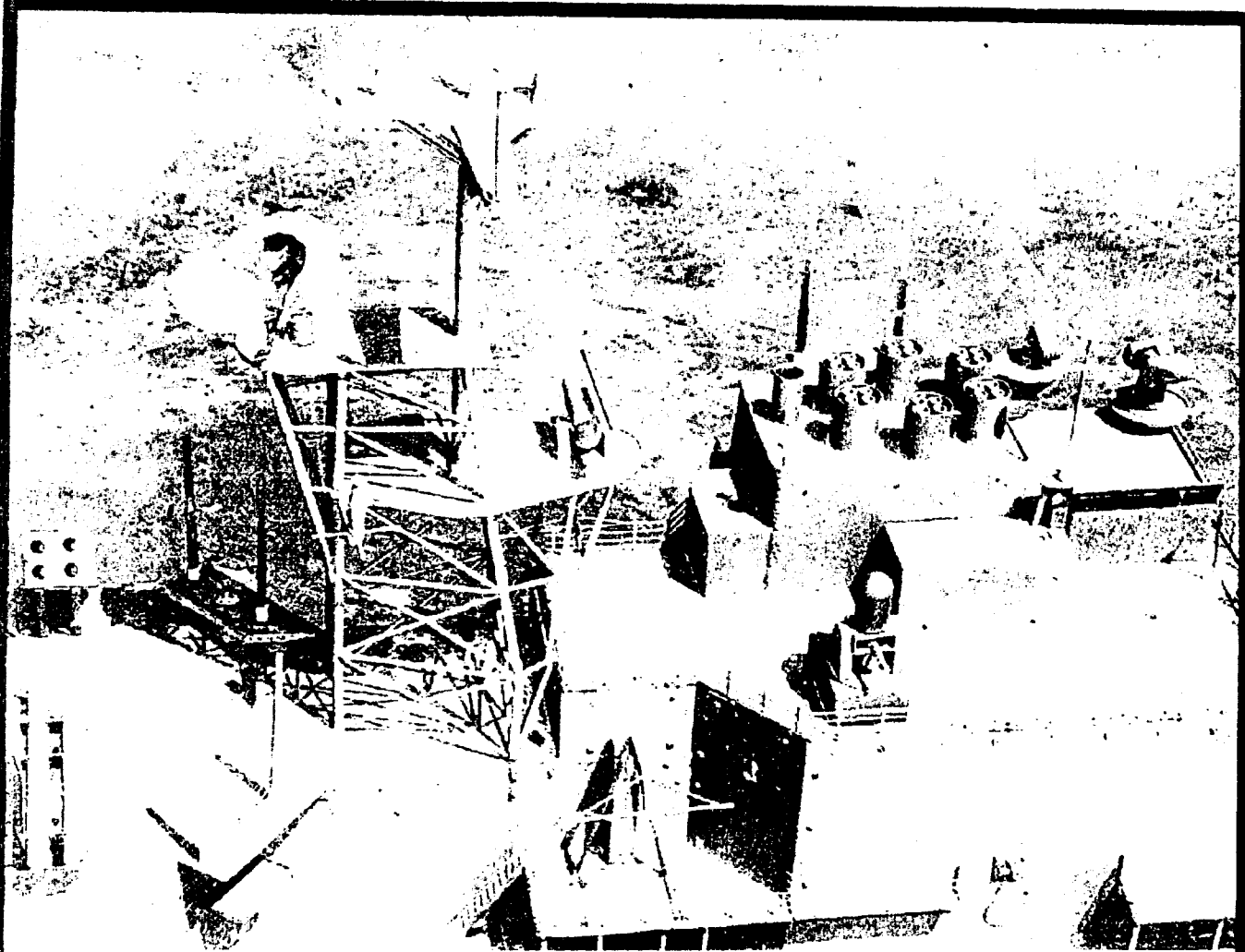
## ELECTROMAGNETIC EFFECTS (EME)

EME includes Electromagnetic Compatibility (EMC), Electromagnetic Interference (EMI), Pulse (EMP) and Radiation Hazard (RADHAZ)

EME engineering includes EME prediction, testing, analysis, evaluation and problem correction.

---





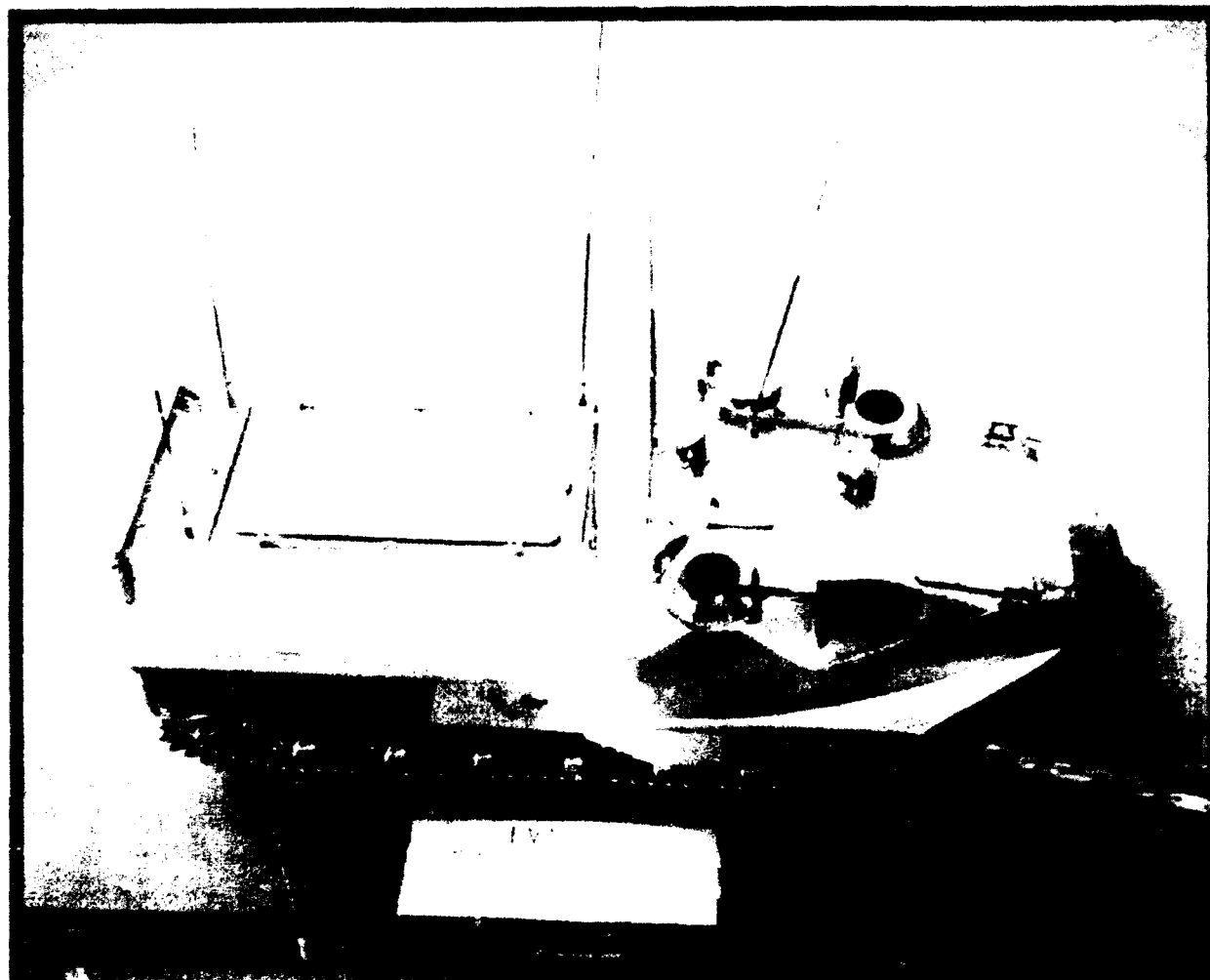
---

## PLATFORM INTEGRATION

Individual systems are integrated into a cohesive whole to ensure optimum performance of the platform. Platforms include ships, shore stations, vehicles and buildings.

Antenna systems design includes pattern, impedance and location. Electromagnetic effects (EMC, EMI and RADHAZ) analyses are combined to assess total platform system performance.

---



---

**FOR MORE INFORMATION, CALL:**

Naval Command, Control and Ocean Surveillance Center

Research, Development, Test and Evaluation Division, Code 825

Bill Kordela

(619) 553-5094 - Commercial

553-5094 - Autovon

(619) 553-3791 - Fax

---