

# AS I REMEMBER

*A Walk Through my Years  
at Hughes Aircraft  
1961 - 1997*

# On the Lawn, 1960



# SOME EARLY TASKS AS A MEMBER OF THE TECH STAFF

- ▣ AIR COMBAT COUNTERMEASURE
- ▣ SUN GLINT VERSUS SEA STATE
- ▣ LASER APPLICATIONS
- ▣ RADAR GROUND CLUTTER

# NAVY PHOENIX AIR INTERCEPT MISSILE





# F-14 WITH SIX PHOENIX MISSILES



NEW DEPARTMENT FORMED

FOR

AIR TO SURFACE MISSILES

# ADVANCED DEVELOPMENT SPECIFICATIONS:

GROUND TARGETS  
50 MILE RANGE  
AUTOMOUS GUIDANCE  
10 FOOT ACCURACY

OPTICAL CORRELATION  
GUIDANCE

# Air Force TV Maverick



# Imaging Infrared Maverick





# OPERATION DESERT STORM





A PHONE CALL

(1975)

# TECHNICAL DIRECTOR

## THREE RESEARCH CENTER

- \* SEMICONDUCTORS
- \* MICROWAVE DEVICES
- \* CCD'S WITH PROCESSOR

## “DO WHATEVER YOU WANT”

**“DO WHATEVER YOU WANT”**

- \* ENERGY CONSERVATION**
- \* MEDICAL ELECTRONICS**
- \* BAUER PATENT LAW SUIT**

# DIVISION MANAGER SOLID STATE DIVISION





# GATE ARRAYS AND DESIGN WORKSTATIONS MID-80'S

- ▣ 1.3 MICRON CMOS
- ▣ IMPROVED DELIVERY SCHEDULE
- ▣ CUSTOMER DOES THE LAYOUTS

GENERAL MOTORS  
ACQUIRES  
HUGHES AIRCRAFT COMPANY

BECOMES  
GM HUGHES ELECTRONICS  
1985



# Discovery Science Center



# ASSOCIATION WITH UC-IRVING

- UNIVERSITY FOUNDERS CLUB
- CHANCELLOR'S BUSINESS ALLIANCE
- ENG. SCHOOL BUSINESS SUPPORT ORGANIZATION
- ROBERT SAUNDERS SCHOLARSHIPS

INDUSTRIAL ELECTRONICS  
GROUP PRESIDENT  
AND  
CORPORATE VICE PRESIDENT

# ANOTHER PHONE CALL

**GROUND SYSTEMS GROUP**

**PRESIDENT,  
SENIOR CORPORATE VP**

# LARGE SOFTWARE BASED INTERNATIONAL SYSTEMS

- ❑ NATO NORTHERN AIR DEFENSE SYSTEM
- ❑ UK AIR DEFENSE SYSTEM
- ❑ CANADIAN AIR TRAFFIC CONTROL SYSTEM
- ❑ SAUDI ARABIA PEACE SHIELD SYSTEM



# SAUDI DISCUSSIONS

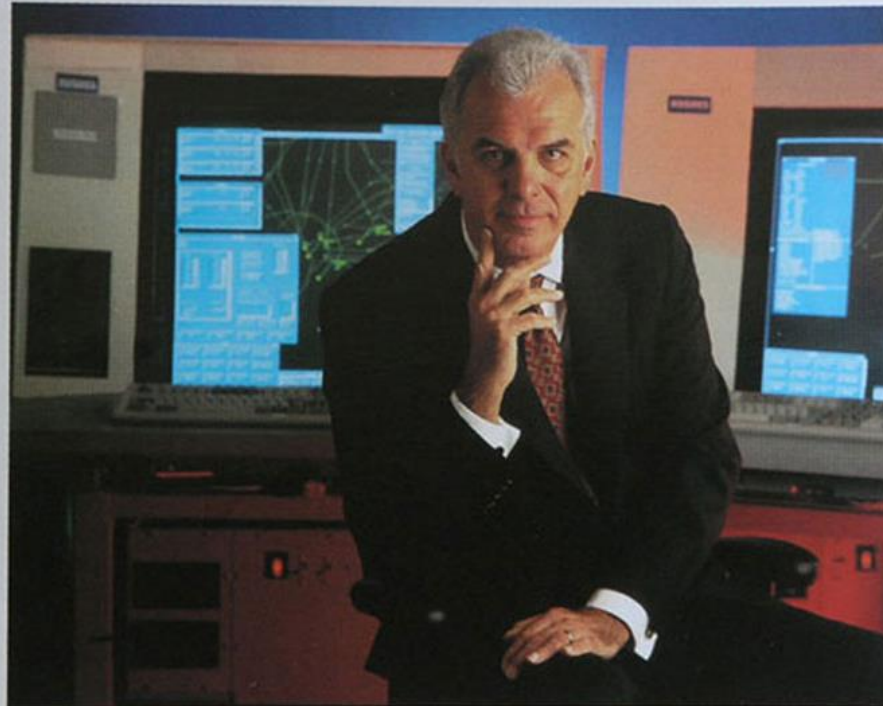


# Fortune Magazine Article

CORPORATE PERFORMANCE

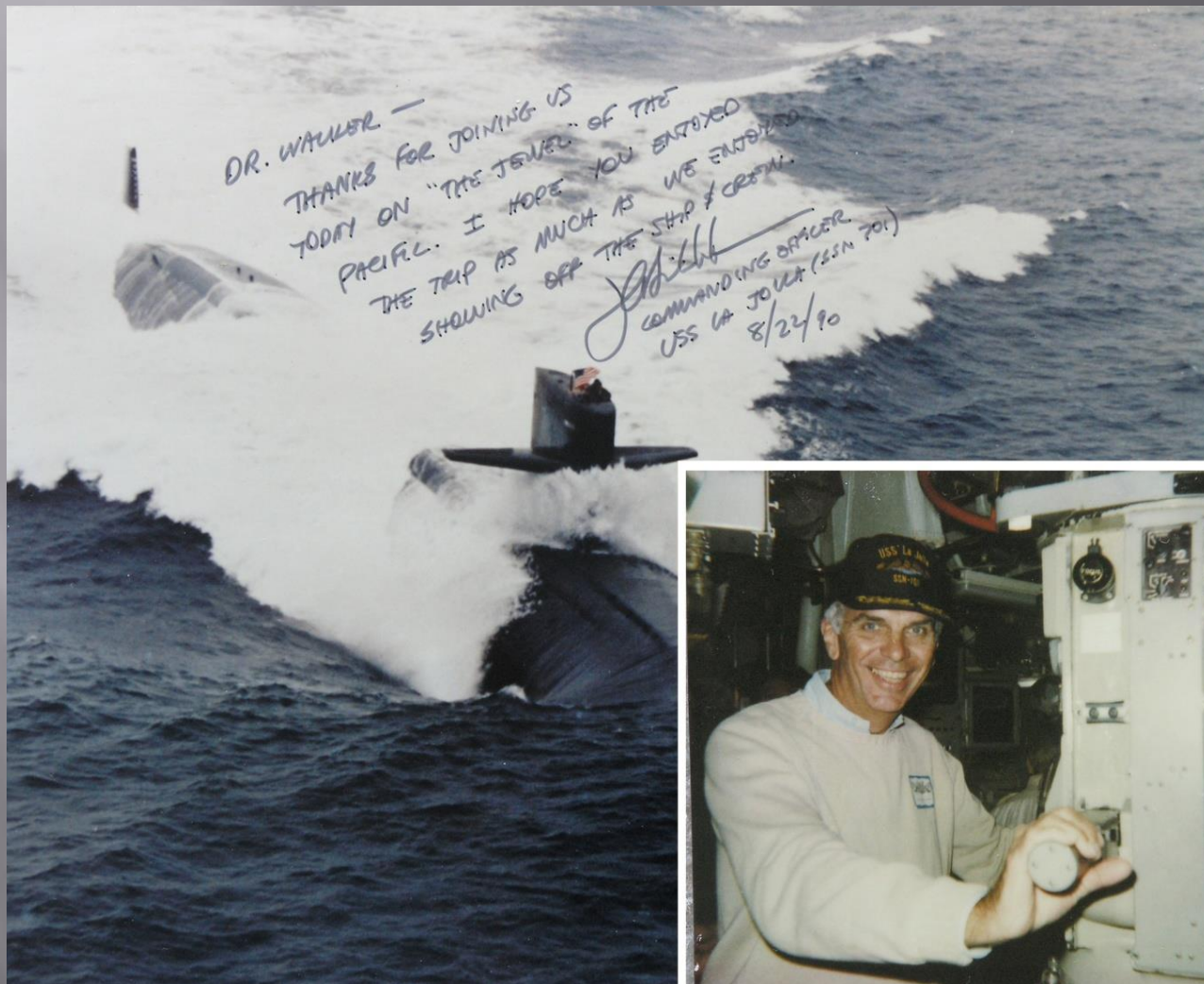
HUGHES AIRCRAFT

## A MASTER OF THE MEGILLAH



Walker helps Hughes keep some of the world's most complicated projects on schedule and on budget.

# UNDERSEA WARFARE





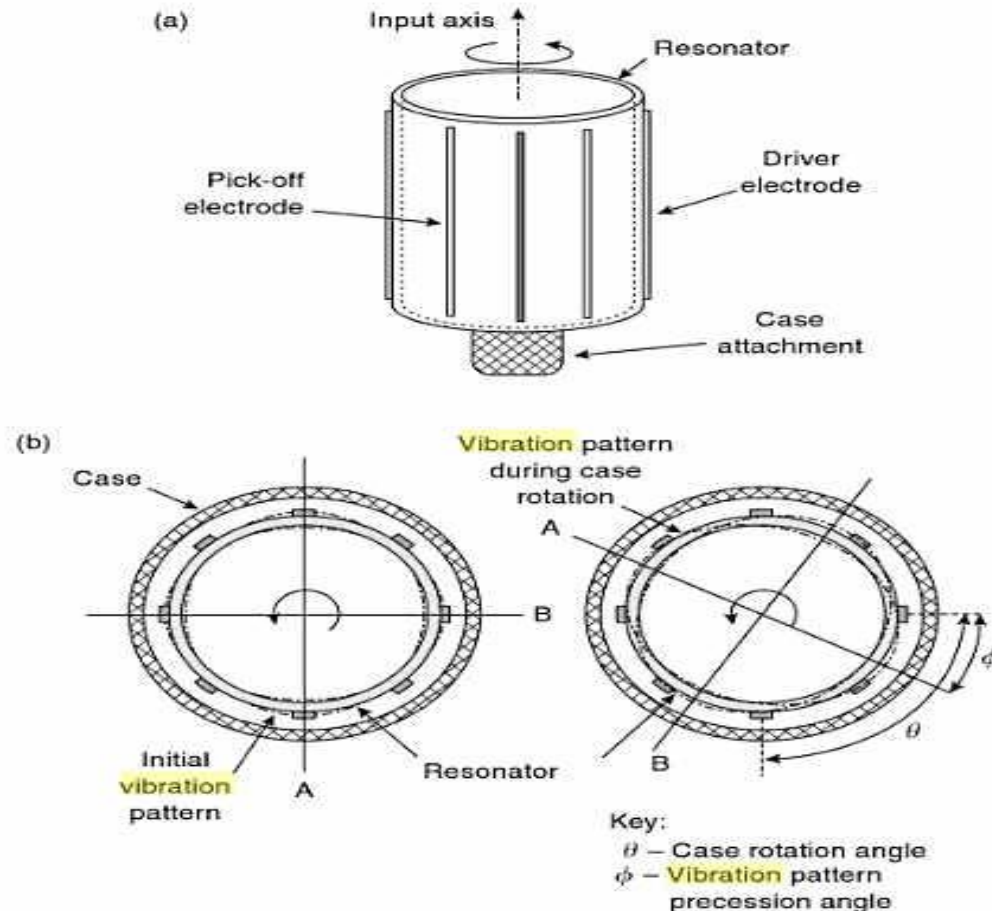
# MARK 48 ADCAP TORPEDO



# AEROSPACE AND DEFENSE SECTOR

MEMBER: OFFICE OF THE  
CHAIRMAN

# STRAPDOWN INERTIAL NAVIGATION SYSTEM





HUGHES AIRCRAFT  
EXECUTIVE

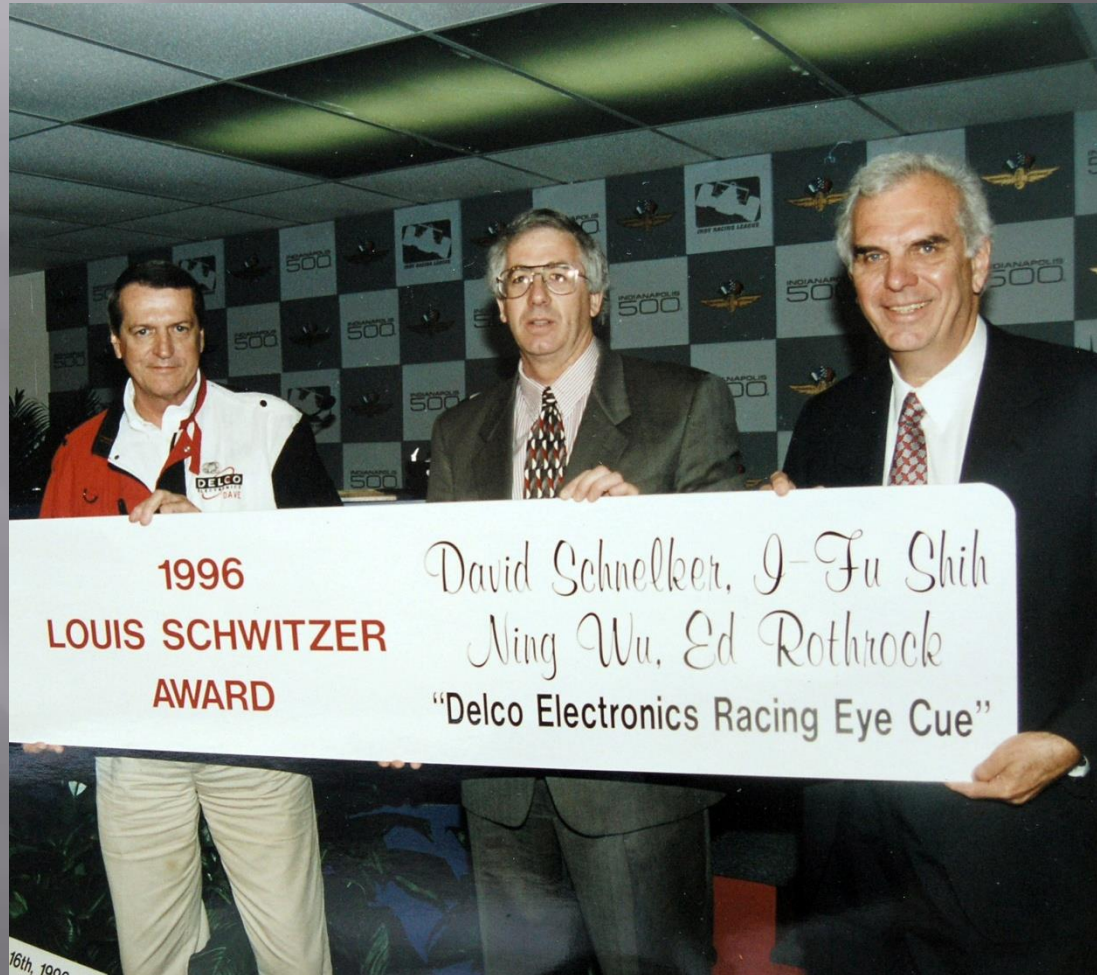
FOR

GENERAL MOTORS

CHIEF TECHNICAL OFFICER

DELCO ELECTRONICS

# Heads UP Display Award Indy 500



# “Safety, Security, Communication” Research Vehicle

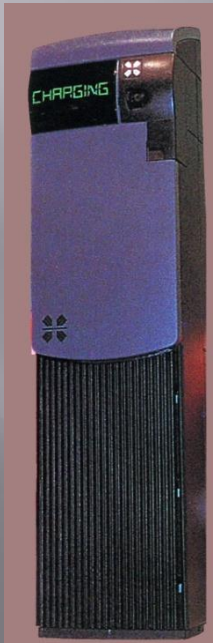


# RESEARCH VEHICLE INCLUDES:

- ▣ FORWARD AND REAR COLLISION WARNING, ADAPTIVE CRUISE CONTROL, NIGHT VISION, HIGH-INTENSITY LIGHTING, FRONT & SIDE AIRBAGS, OCCUPANT SENSING, LOW TIRE-PRESSURE WARNING, KEYLESS ENTRY, KEYLESS IGNITION, ELECTRONIC LOCK & LATCH, INTRUSION SENSING, ANTI-CAR JACK SYSTEM, HANDS-FREE CELLULAR, ROADSIDE TO VEHICLE COM, 200 WATT AUDIO, DATA PAGING, COLOR RECONFIGURABLE DISPLAYS



# GM EV-1 Electric Car, Hughes Magna-charger



LATE 90'S

GM HUGHES ELECTRONICS  
WAS SOLD OFF IN  
SEPARATE ARRANGEMENTS

- \* DELCO ELECTRONICS SECTOR  
MERGED WITH DELPHI
- \* AEROPACE & DEFENSE SECTOR  
SOLD TO RAYTHEON
- \* SPACE SECTOR SOLD TO  
BOEING
- \* DIRECTV - PUBLIC COMPANY

