

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

AUTONOMOUS 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

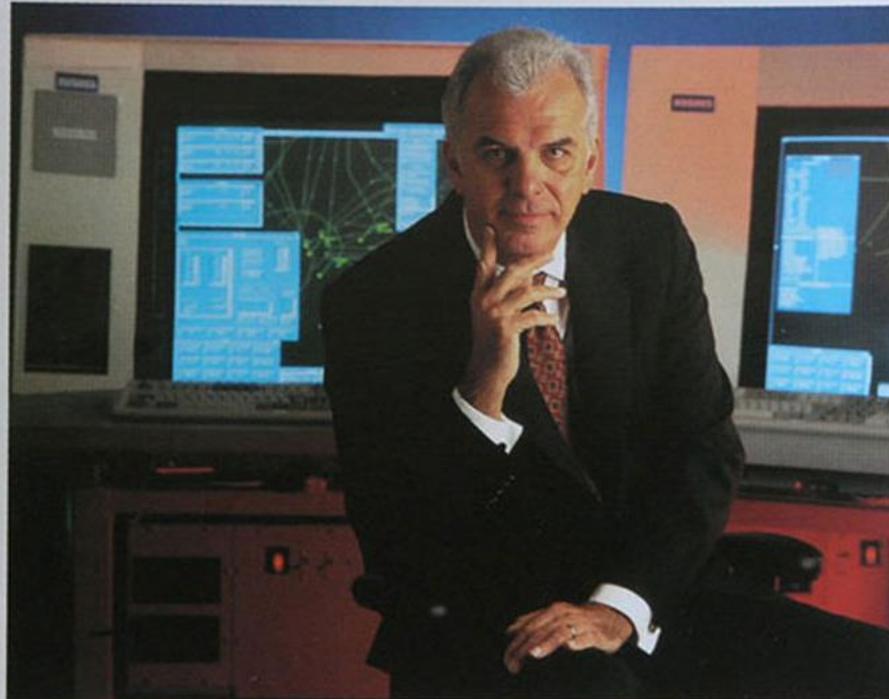


Fortune Magazine Article

CORPORATE PERFORMANCE

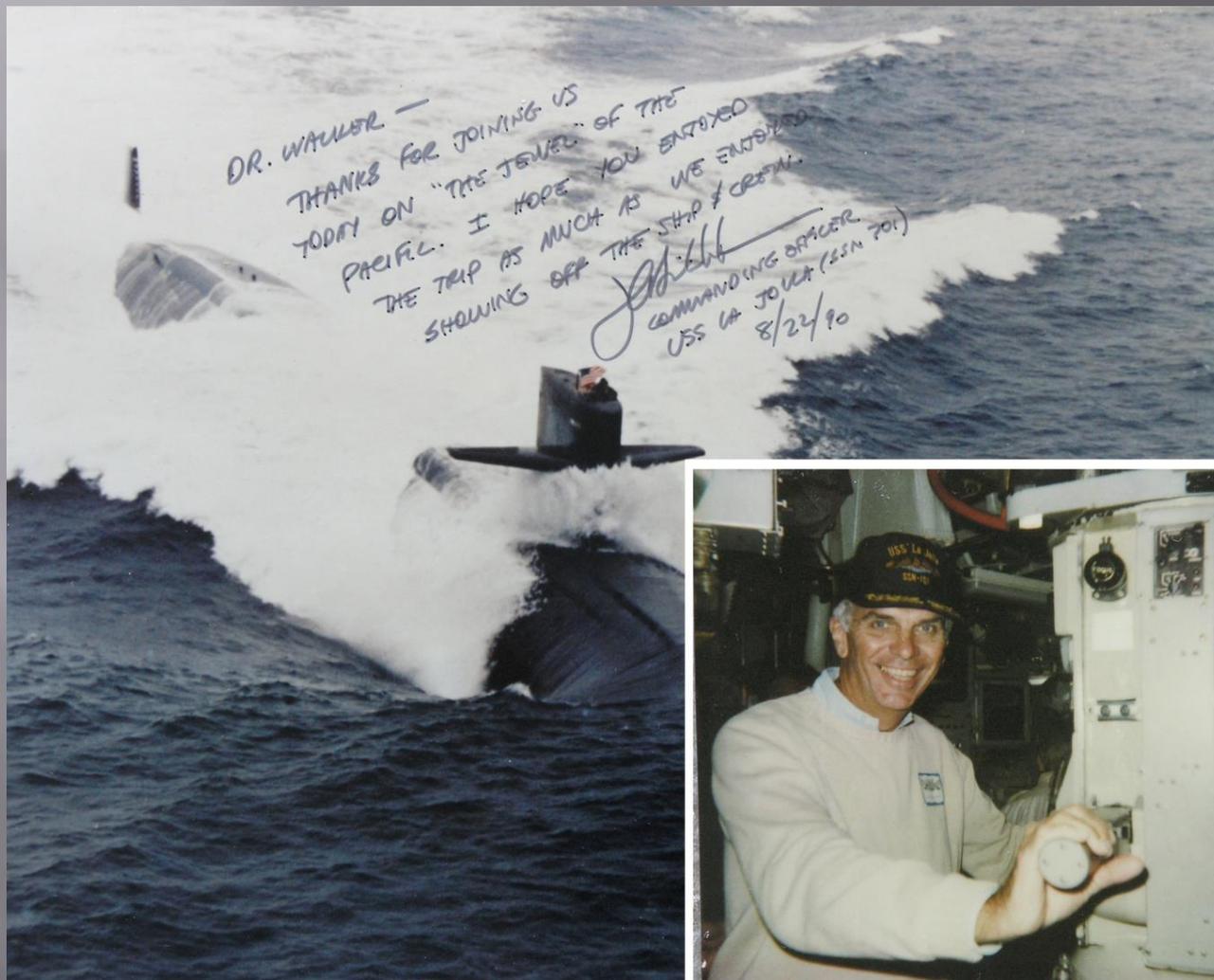
HUGHES AIRCRAFT

A MASTER OF THE MEGILLAH



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

UNDERSEA WARFARE



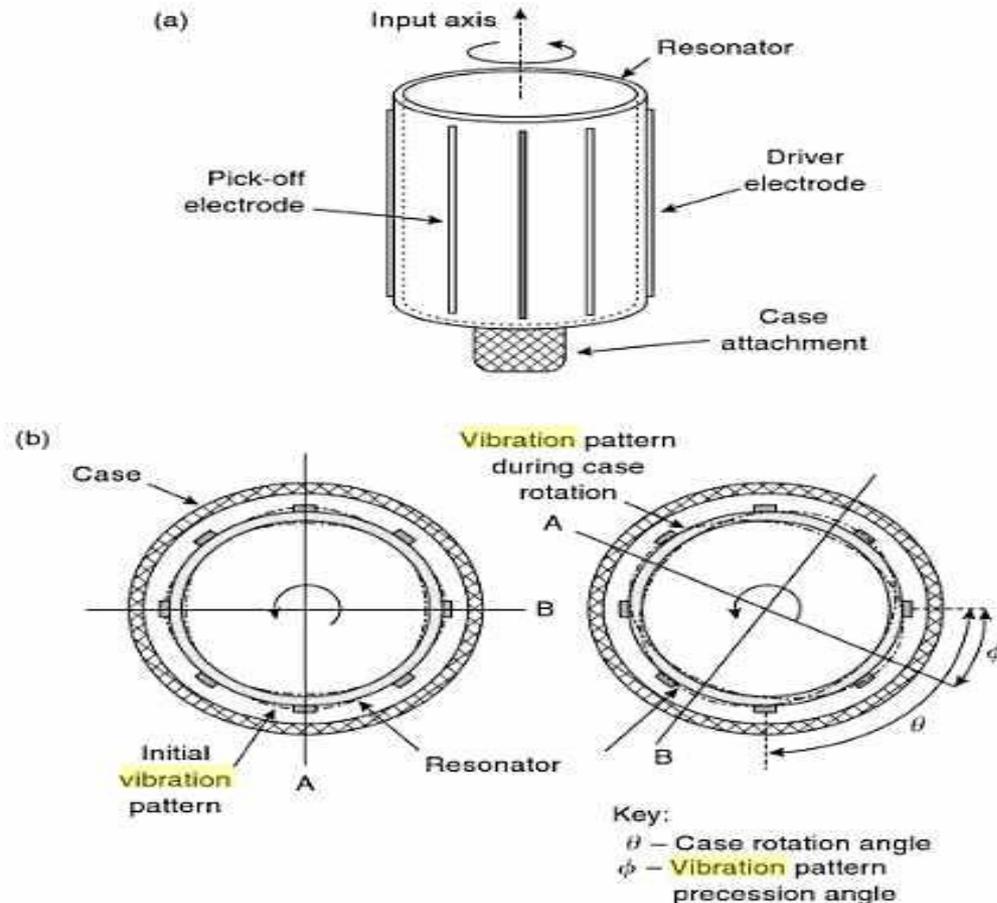
MARK 48 ADCAP TORPEDO



AEROSPACE AND DEFENSE SECTOR

MEMBER: OFFICE OF THE
CHAIRMAN

STRAPDOWN INERTIAL NAVIGATION SYSTEM



HUGHES AIRCRAFT
EXECUTIVE

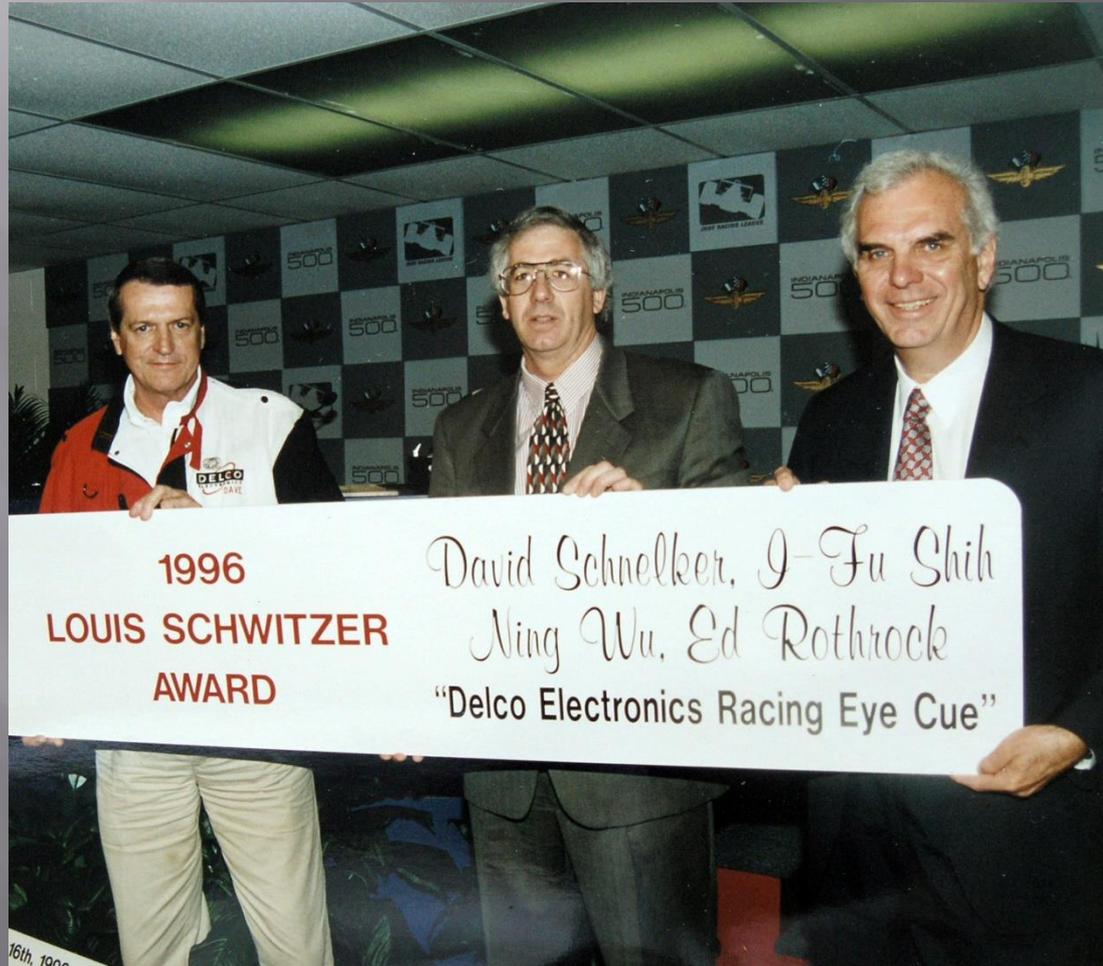
FOR

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

