

**69th Annual
Greater San Diego
Science & Engineering Fair**

Awards Ceremony

March 16th, 2023



**Welcome to the 69th Annual
Greater San Diego Science & Engineering
Fair**

Awards Ceremony
March 16, 2022

Opening Remarks

Steve Rodecker



Sponsored By





**Welcome to the 69th Annual
Greater San Diego Science & Engineering Fair
Awards Ceremony**

March 16th, 2023

DirFair Director's Remarks

Steve Rodecker



Special Thanks and Gratitude to the Management Committee

BOARD OF DIRECTORS:

Dr. Earl Williams, Naval Information Warfare Systems Command, GSDSEF Board President

Mrs. Vickie Driver, Zim Biosciences

Dr. Donna Kritz-Silverstein, UCSD

Mr. William Proffer, Leidos, retired

Mr. Sam Ferguson, Georgia Institute of Technology

Mr. Sany Zakharia, Qualcomm

MANAGEMENT COMMITTEE:

Steve Rodecker, Fair Director



Sany Zakharia, Treasurer, Fundraising

Vickie Driver, Judging
Coord



Earl Williams, Grand Award Judging, Tech



Rose Armour, Screening

◆ **Sejal Pabari**, Professional Societies Awards

◆ **Sam Ferguson**, Awards AV

◆ **Douglas Smith**, Hospitality



True Xiong, Volunteers

Jessica Ulyot, Screening, Store



Donna Kritz-Silverstein, Screening



Laura McWilliams, Parking

William Proffer



Diane Vermeulen



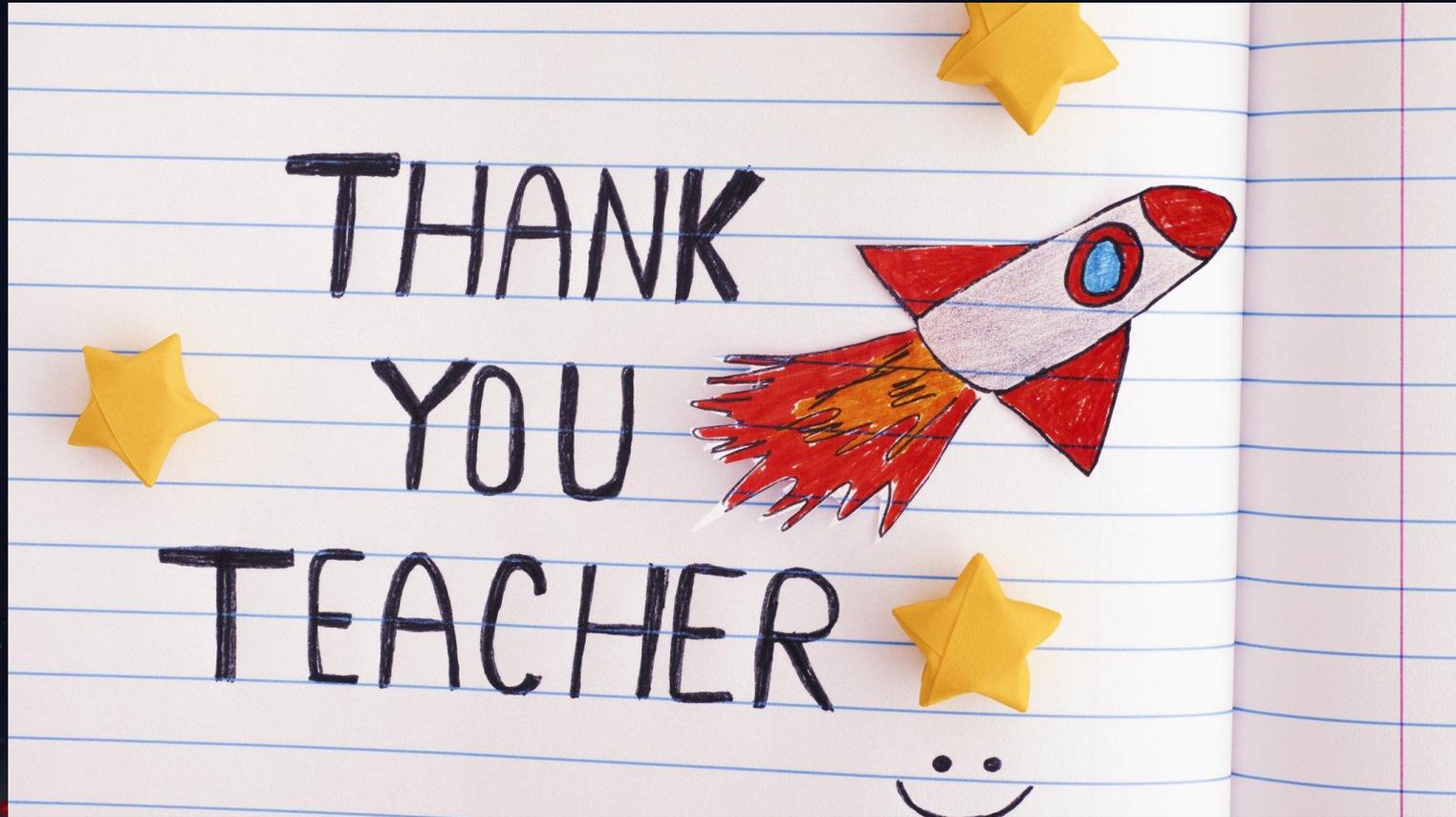
Hal Slater -Size and Safety

Congressman Scott Peters

50th Congressional District,
California



Special Thanks and Gratitude to the Teachers





**THANK YOU
PARENTS**



BD



Greater San Diego Science & Engineering Fair

16 March 2023

Daniel H. Schumann – Vice President, Operations
Becton, Dickinson and Company (BD)



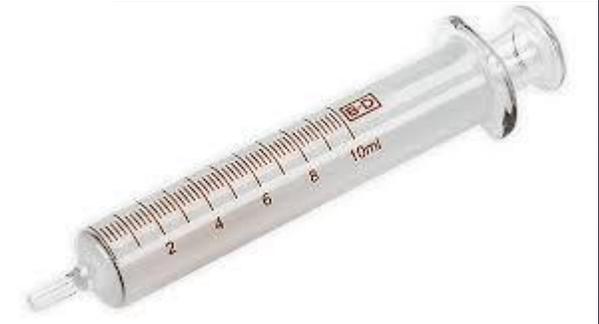
...a little about Becton, Dickinson and Company (BD)

- Global Medical Technology company (6th largest)
- Our mission:

Advancing the World of Health

- Founded in 1897
- 2022 Sales/Revenue: \$19 Billion
- Serving 190+ countries around the world
- 75,000+ employees worldwide
- 3,000+ BD employees in San Diego
- Many, many are Scientists and Engineers!

*90% of patients who visit a US hospital
will be touched by a BD product.*



BD supports the fight against COVID-19...

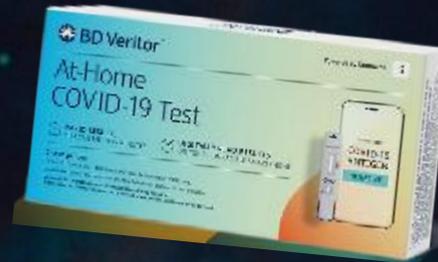
Research:

- Vaccine & Therapy Research Tools (BD Biosciences)



Diagnosis:

- COVID Rapid Tests (BD Veritor™)
- COVID PCR Tests (BD MAX™)



Treatment:

- Infusion Pumps (BD Alaris™)
- Drug Dispensing Systems (BD Pyxis™)
- Vaccine Needles and Syringes (BD Eclipse™)



Science and Engineering...

Science: uncover new understanding of our world

Engineering: practical applications of Science

Science + Engineering:

Driving progress & elevating human hands

Science + Engineering:

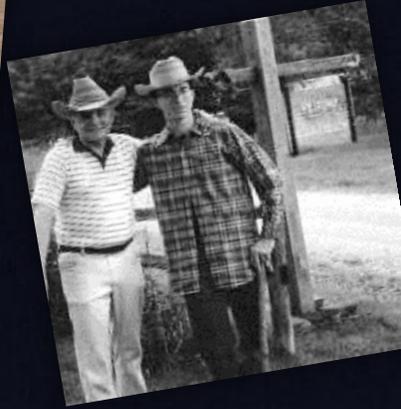
Driving progress & elevating human hands

Difficult
Manual
Small-Scale

Science
& Engin-
eering

Easier
Larger Impact from
the Human Effort
Scalable

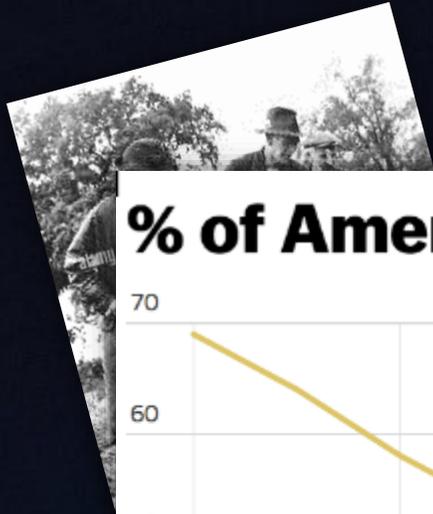
Food



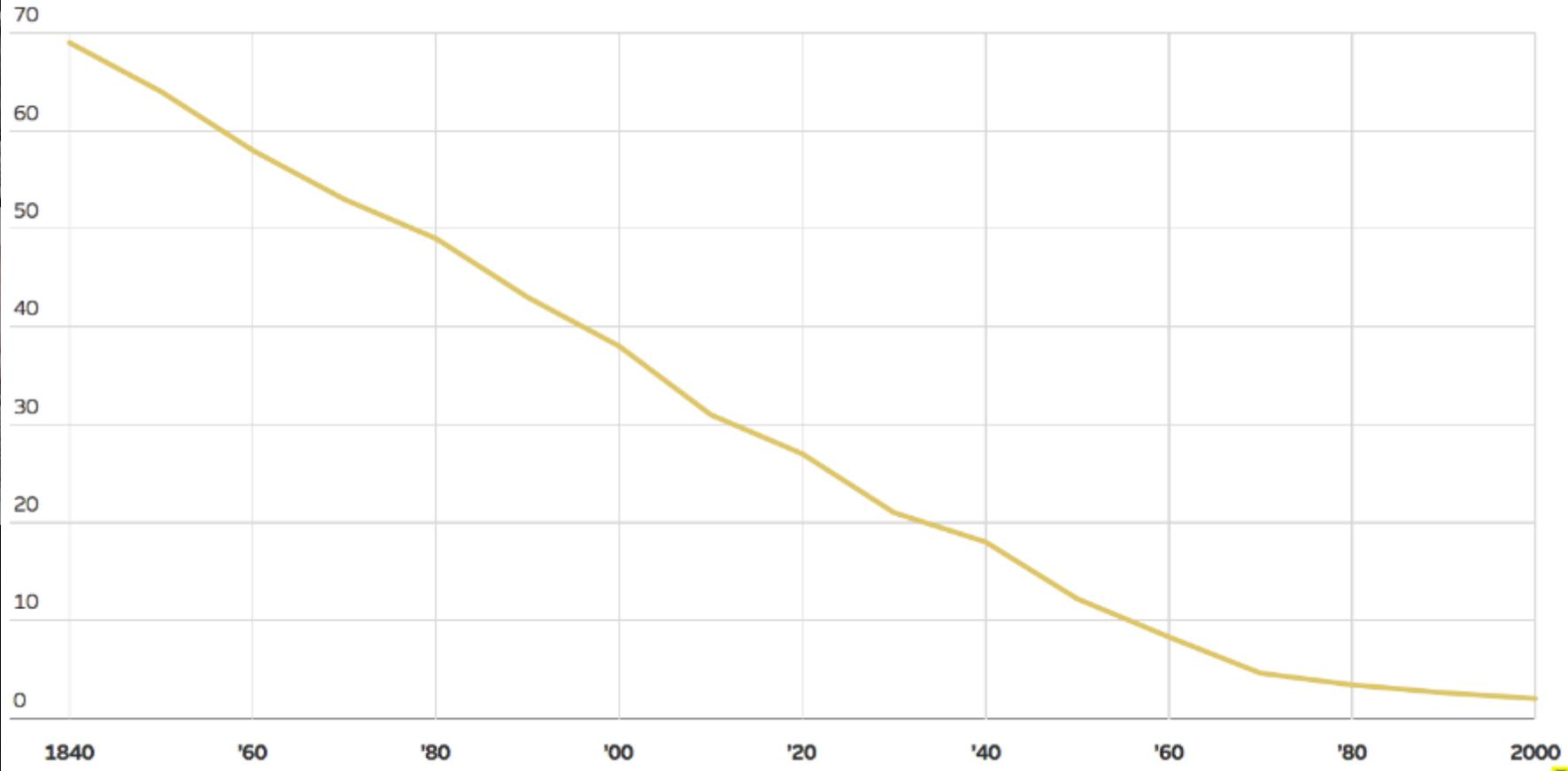
Science
& Engin-
eering



Food



% of American workforce in agriculture, 1840-2000



Source: USDA,

V



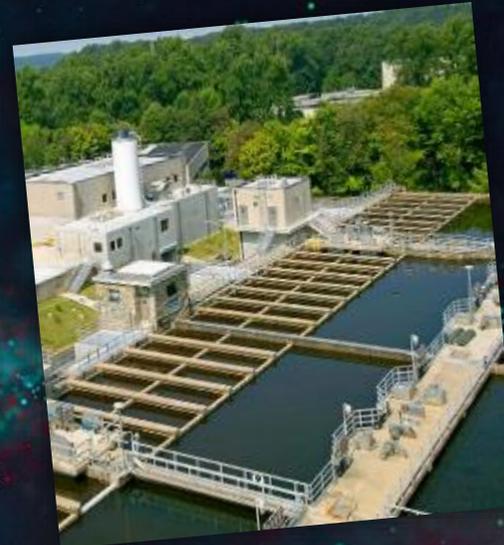
Confidential - For Internal Use Only



Water



Science
& Engin-
eering



Shelter



Clothing



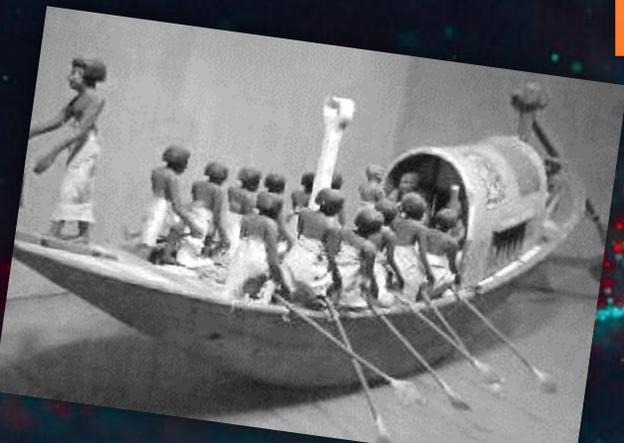
Science
& Engin-
eering



Transportation



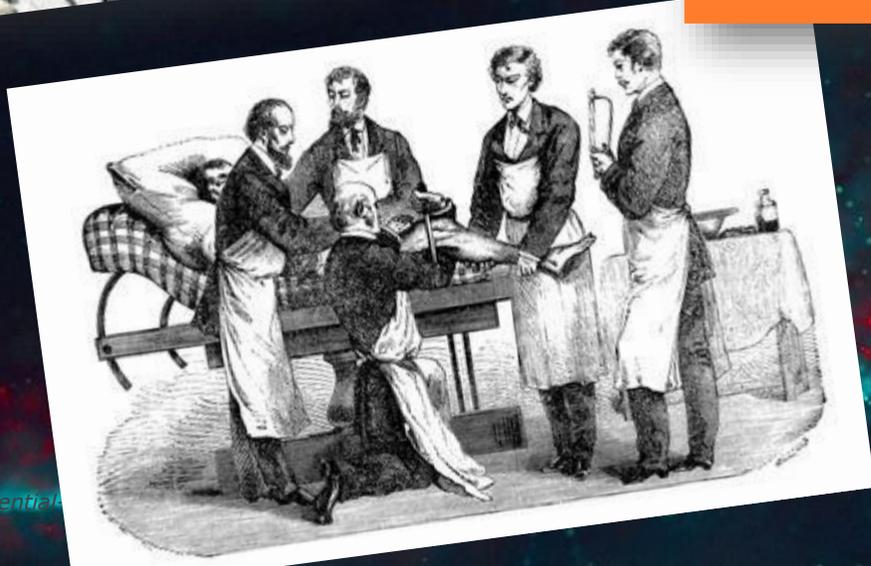
Science & Engineering



Medical Technology



Science
& Engin-
eering



Science + Engineering... allows more time for leisure!



...and more time for more Science & Engineering



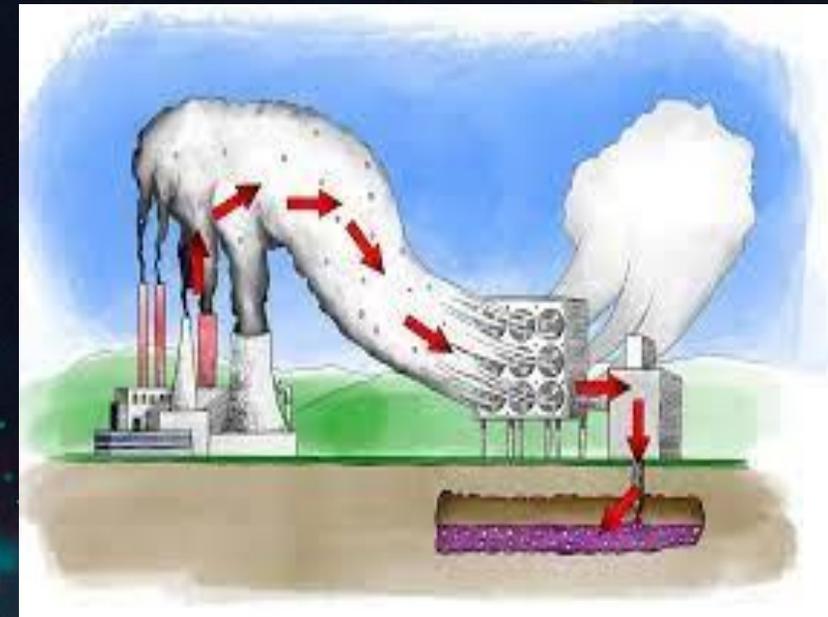
Not all good...

Science
& Engin-
eering





Science + Engineering Must Drive the Solutions



The future yours.

The world is counting on

YOU!



Confidential—For Internal Use Only





Saturday and Sunday Schedule

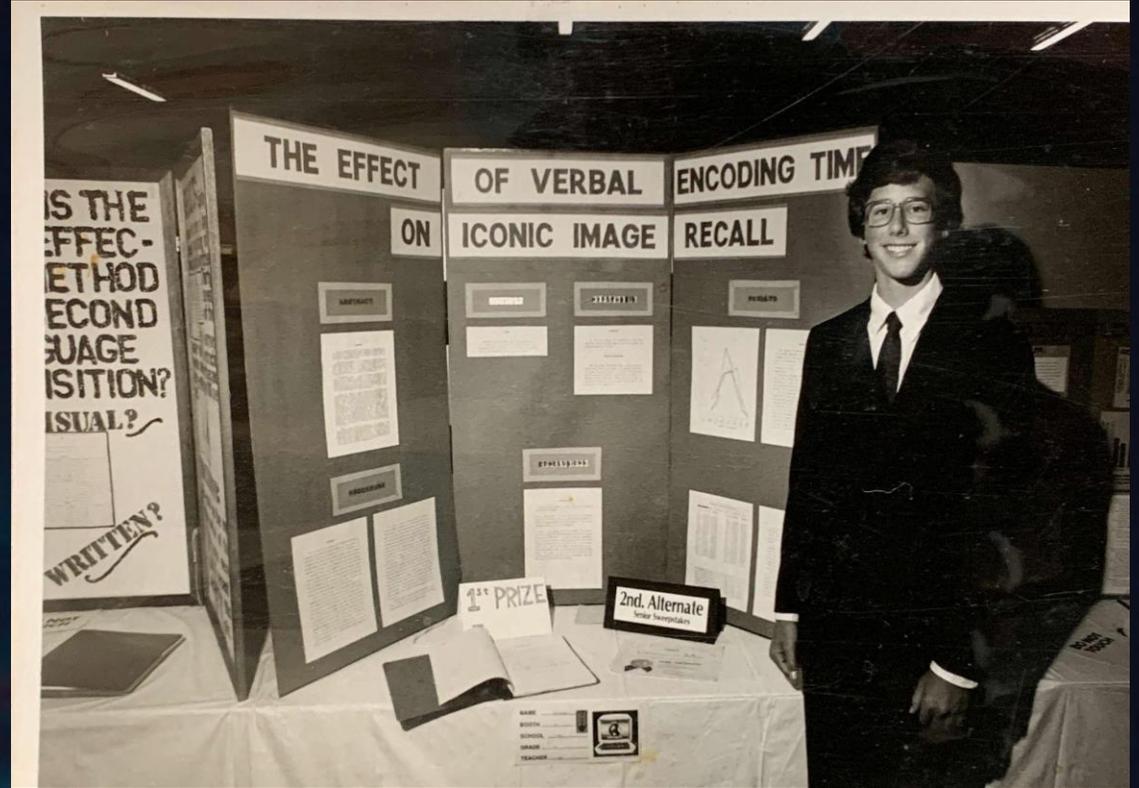
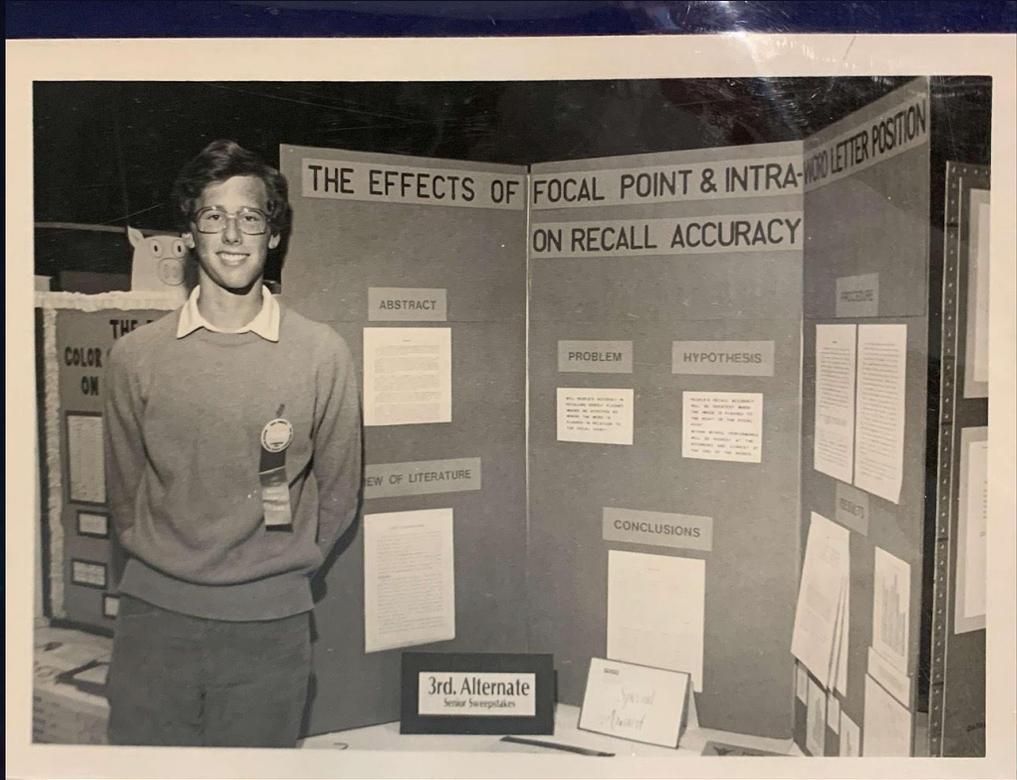
- Saturday 10:00am – 2:00pm, Open House –Bring the Family!
- Saturday, 2pm -5pm- Projects can be removed.
- Sunday, 10am-1pm– Projects can be removed.
- Pre-ordered T-Shirts can still be picked; gift shop available
- Showcase is available on zFairs starting on Saturday



Dr. Earl Williams

GSDSEF Board of Directors, President

Naval Information Warfare Systems Command





Introduction of Awards