

# 50 YEARS of CNS

## 12<sup>TH</sup> EMERITUS BREAKFAST

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March 28, 2019



COLLEGE OF  
NATURAL SCIENCES  
COLORADO STATE UNIVERSITY

# Faculty Spotlights...



**SOHAM CHANDA**  
**BMB**

CSU 2019  
(Post doc Stanford)

Neuronal Development  
and Dysfunction



**JOE ZADROZNY**  
**Chemistry**

CSU 2017  
(Post Doc  
Northwestern)

Magnetic Moments  
of Electrons



**KRISTEN RUEGG**  
**Biology**

CSU 2018  
(UC Santa Cruz)

Conservation Biology  
Population genomics

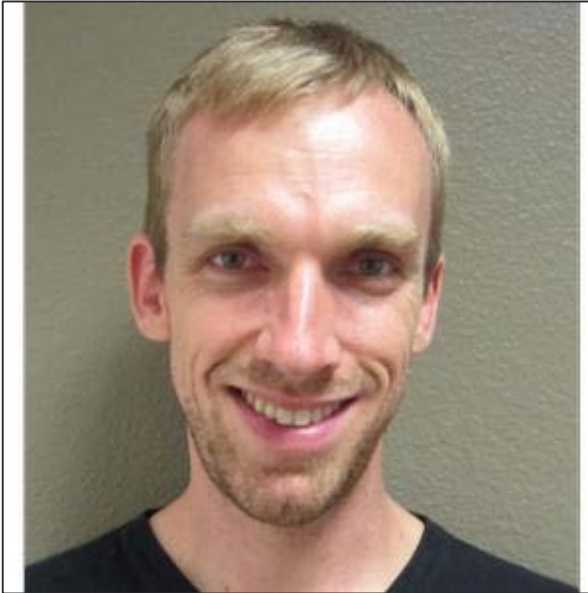


**VINAYAK PRABHU**  
**Computer Science**

CSU 2018  
(Post Doc Max Plank)

Cyber-Physical  
Systems and Devices

# Faculty Spotlight...



**MARK SHOEMAKER**  
Mathematics

CSU 2016  
(Post Doc Univ. Utah)

Algebraic Geometry &  
Mathematical Physics



**MICHAEL THOMAS**  
Psychology

CSU 2018  
(Post Doc UCSD)

Cognitive Neuroscience



**KATE ROSS**  
Physics

CSU 2015  
(Post Doc Johns Hopkins)

Quantum Magnetism



**JOSH KELLER**  
Statistics

CSU 2018  
(Post Doc Johns Hopkins  
School of Public Health)

Biostatistics

# Society of CSU Faculty/AP Staff Retirees

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**President, Charles Davidshofer**





# Welcome New Emeriti

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James Peterson  
Computer Science



Elliot Bernstein  
Chemistry



Paul Kennedy  
Mathematics



Kelly McArthur  
Mathematics



# In Memoriam

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**Adeline Kano, July 2018**

Chemistry and new BMB dept.  
CSU for 42 1/2 years



**Eileen Boardman, Oct. 2018**

First woman to receive a PhD in  
Mechanical Engineering from CSU

# College of Natural Sciences

A look back ...

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March 28, 2019

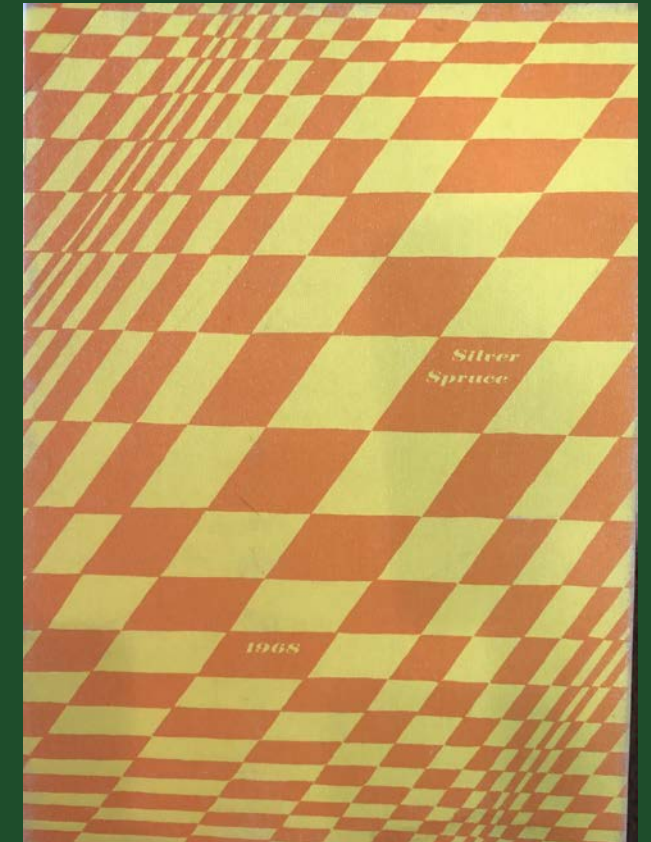


COLLEGE OF  
NATURAL SCIENCES  
COLORADO STATE UNIVERSITY



**Established in 1968**

## Silver Spruce Yearbook





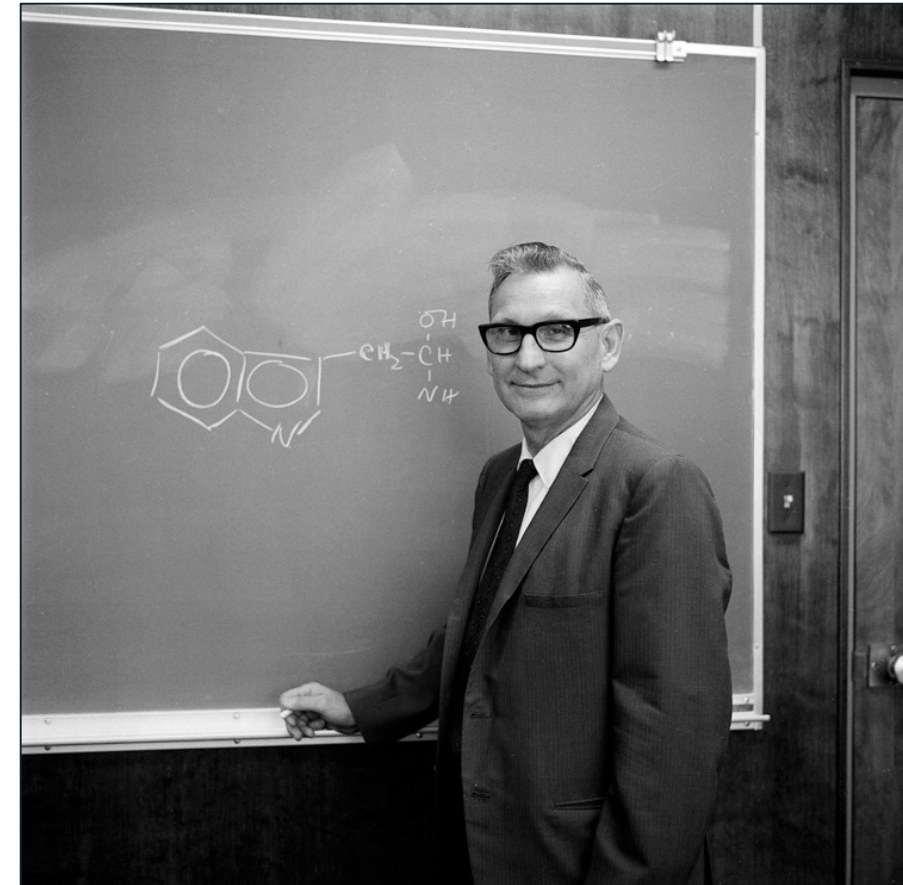
# 1968 College of Natural Sciences formed !

December 1967 – Board of Agriculture formally split the College of Arts and Sciences into two:

Effective July 1, 1968:

- College of Humanities and Social Sciences
- COLLEGE OF NATURAL SCIENCES

**Bill Cook named first Dean of the College**



# Our Undergraduate Majors

## 1968

Biochemistry  
Botany  
Chemistry  
**Geology**  
Mathematics & Statistics  
Physical Sciences  
Physics  
Psychology  
Zoology

## Today

Biochemistry  
**Biology**  
Chemistry  
**Computer Science**  
**Computer Science (BA in progress)**  
**Data Science (2018)**  
Mathematics  
**Natural Sciences**  
**Neuroscience (2014)**  
Physics  
Physical Sciences  
Psychology  
Statistics  
Zoology

# Population...

**Ft. Collins**

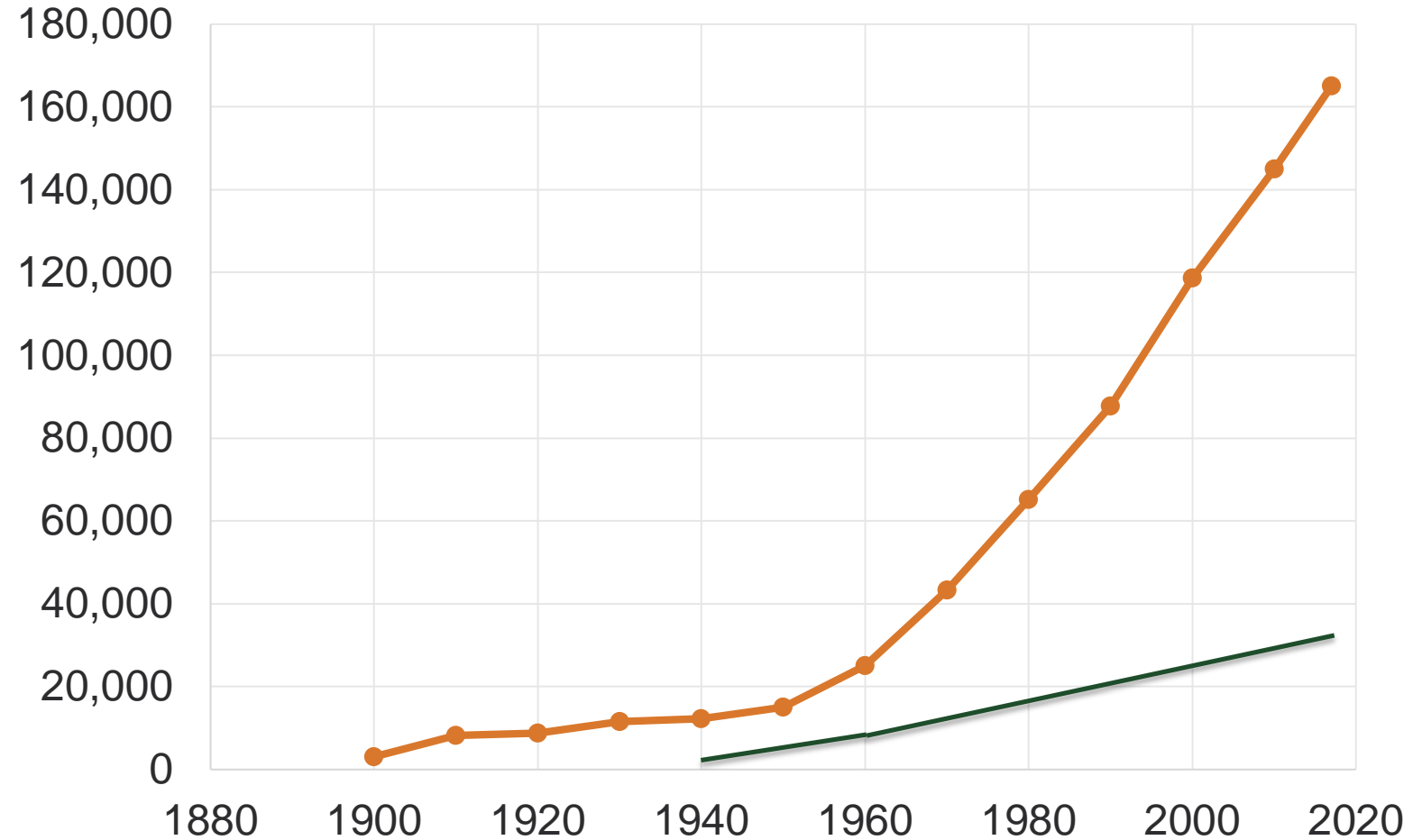
**1968: 40,000**

**Today: 175,000**

**CSU**

**1968: 15,300**

**Today: 26,000**



# Downtown Fort Collins in 1968...





# Downtown Fort Collins now







### Still here:

- Aggie Theater
- Northern Hotel
- Charcoal Broiler
- Moot House
- Silver Grill Café
- Avogadro's Number
- El Burrito
- Pobre Panchos
- Ever Open Cafe





# 1968 New Buildings... Clark Building

**“greatest undergraduate teaching facility the University has ever had”**





# Today ... Behavioral Sciences Building



\$33M; 122K sq ft; opened 2010





## 1968 "Beer in"

A student is speaking from the podium at the "Beer-In" in the Lory Student Center.

The "Beer-In" was a rally to allow students to vote on the consumption of beer in the Lory Student Center.



# Today's "Beer in"

**LSC Ramskeller Pub**

**Fermentation Sciences  
degree program**

**Old Aggie Ale (New  
Belgium)**



# 1968 ... Livestock Judging Pavilion





# Today ... Chemistry Research Building



- **\$55.5M**
- **Funded via State of Colorado**
- **60,000 sq. ft.; LEED Gold**
- **Hood-intensive, flexible laboratory space**
- **Opened fall 2017**



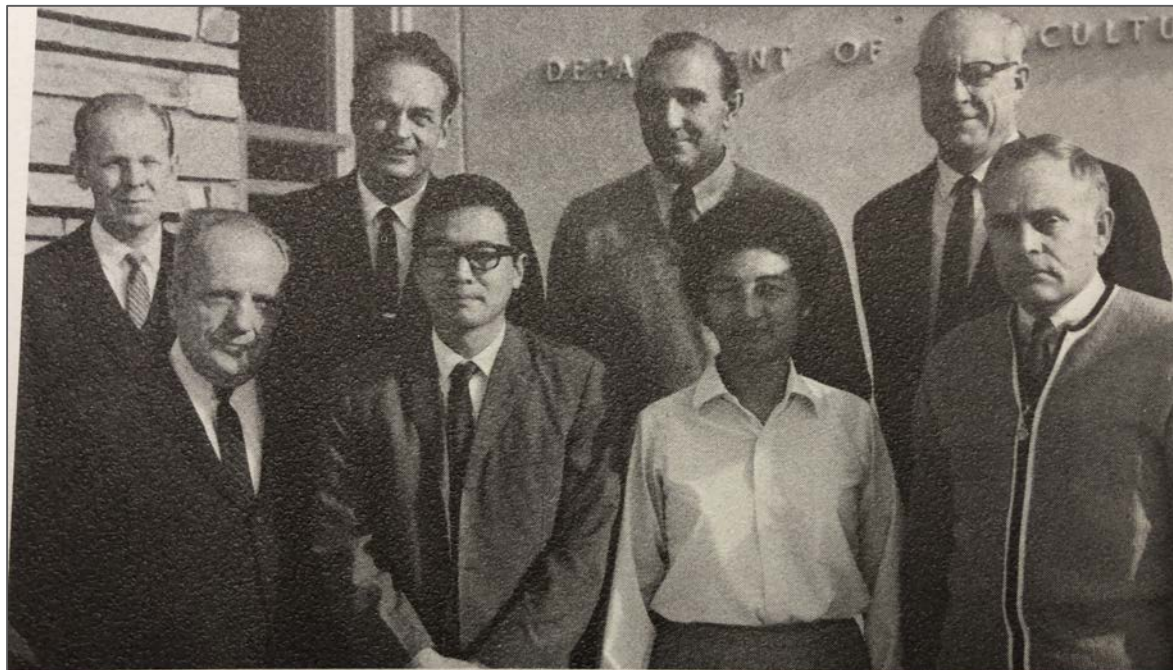
# Biochemistry & Molecular Biology

**Established as separate department in 1967**

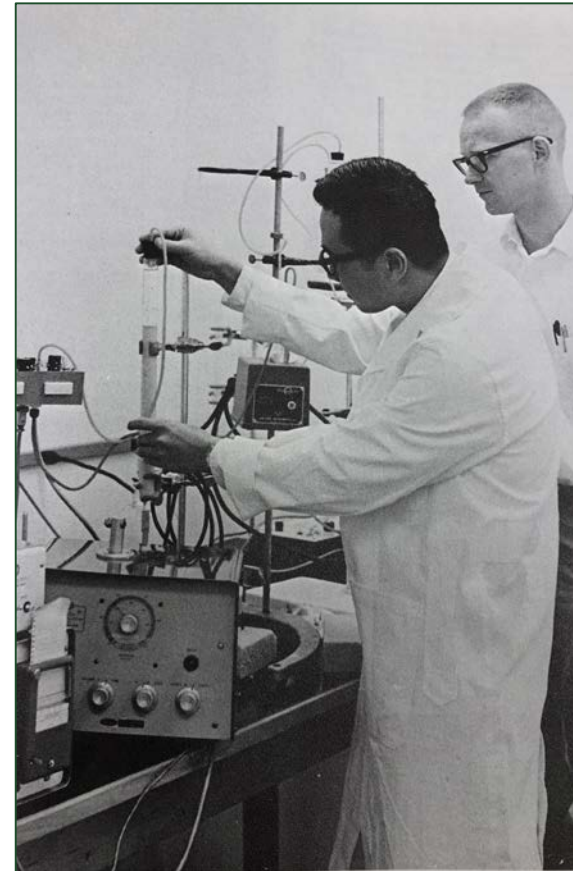
1968: 8 faculty  
20 grad students

Today: 17 faculty  
43 grad students  
360 undergraduate majors

A-Young  
Woody and  
her REU  
student



*Left to Right, Row One:* Duane Hougham, Anthony Tu, Addie K. Kano, Robert P. Martin. *Row Two:* Tom N. Solie, Phil A. Squire, Parvis Azari, Lowell W. Charkey.



Tony Tu  
sea snake  
venom research





# Biology

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# Chemistry

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“The chemistry department is looking forward to moving into their new building, for which plans are underway”



190 undergrad  
48 grad  
18 faculty



# Chemistry

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**231 undergrad  
172 grad  
31 faculty**

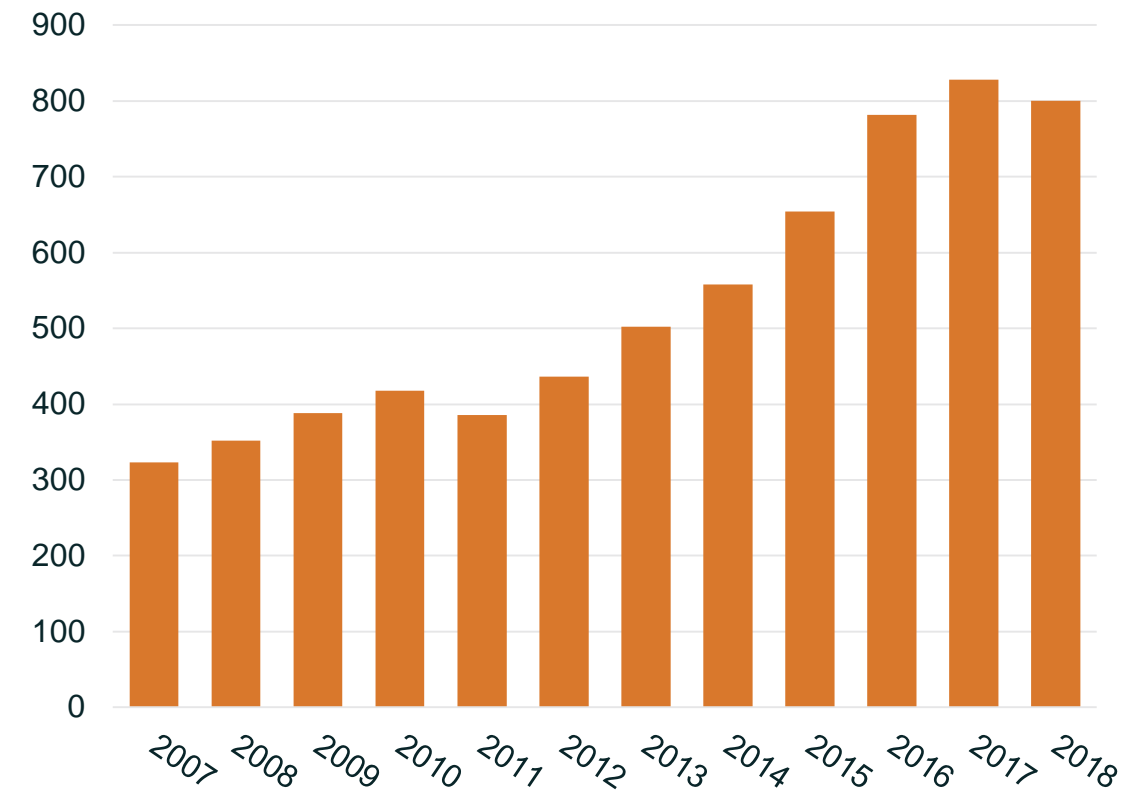


# Computer Science

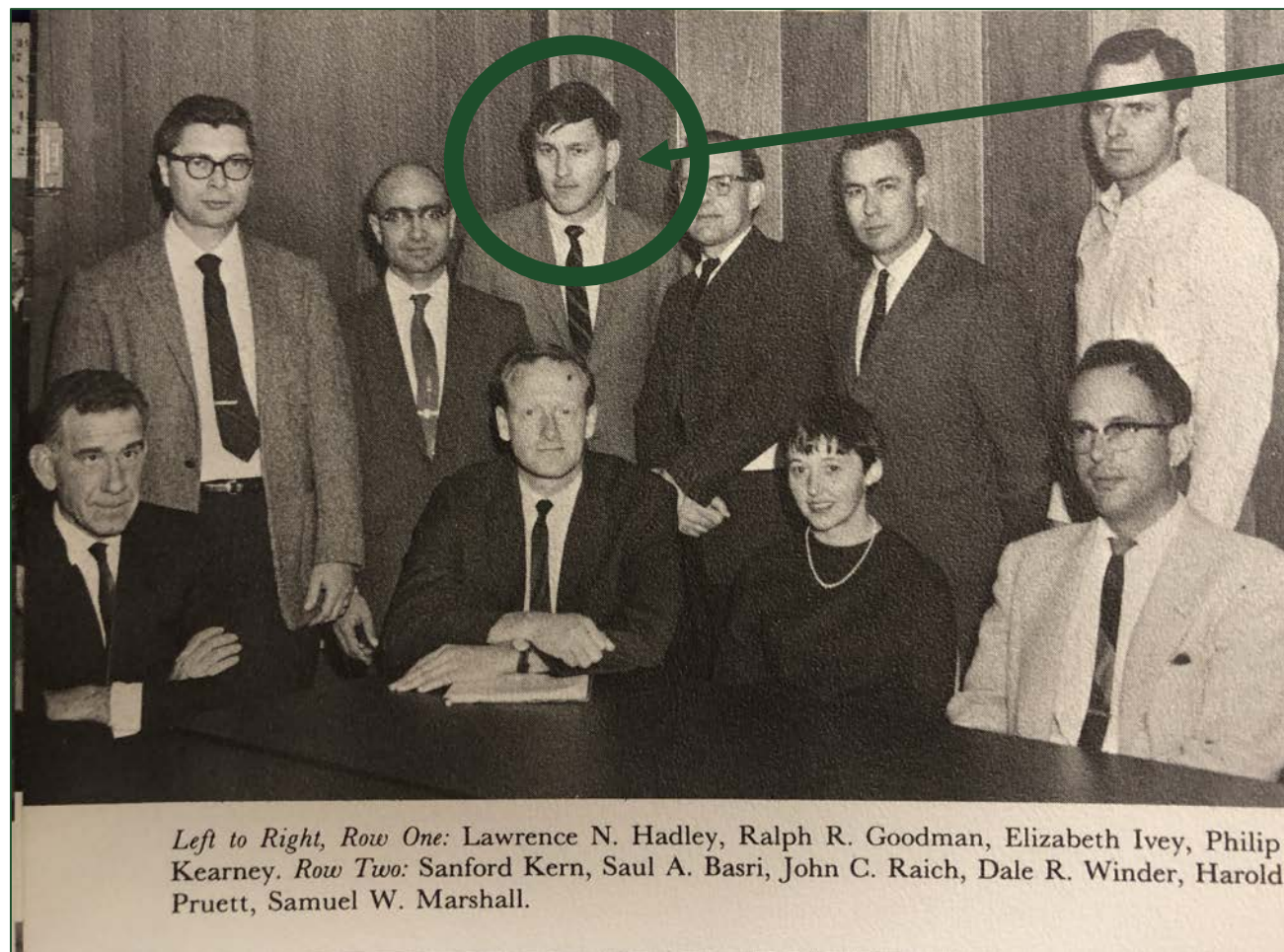


Opened 2008

774 Majors  
100 Grad students



# Physics



**John Raich**  
**2<sup>nd</sup> Dean of College**  
**Served for 17 years – until 2002**

**1968:**  
**70 UG**  
**30 PhD**  
**14 faculty**

**Today:**  
**129 UG**  
**67 PhD**  
**19 faculty**



# Psychology

Wayne Viney

Jack Hautaluoma

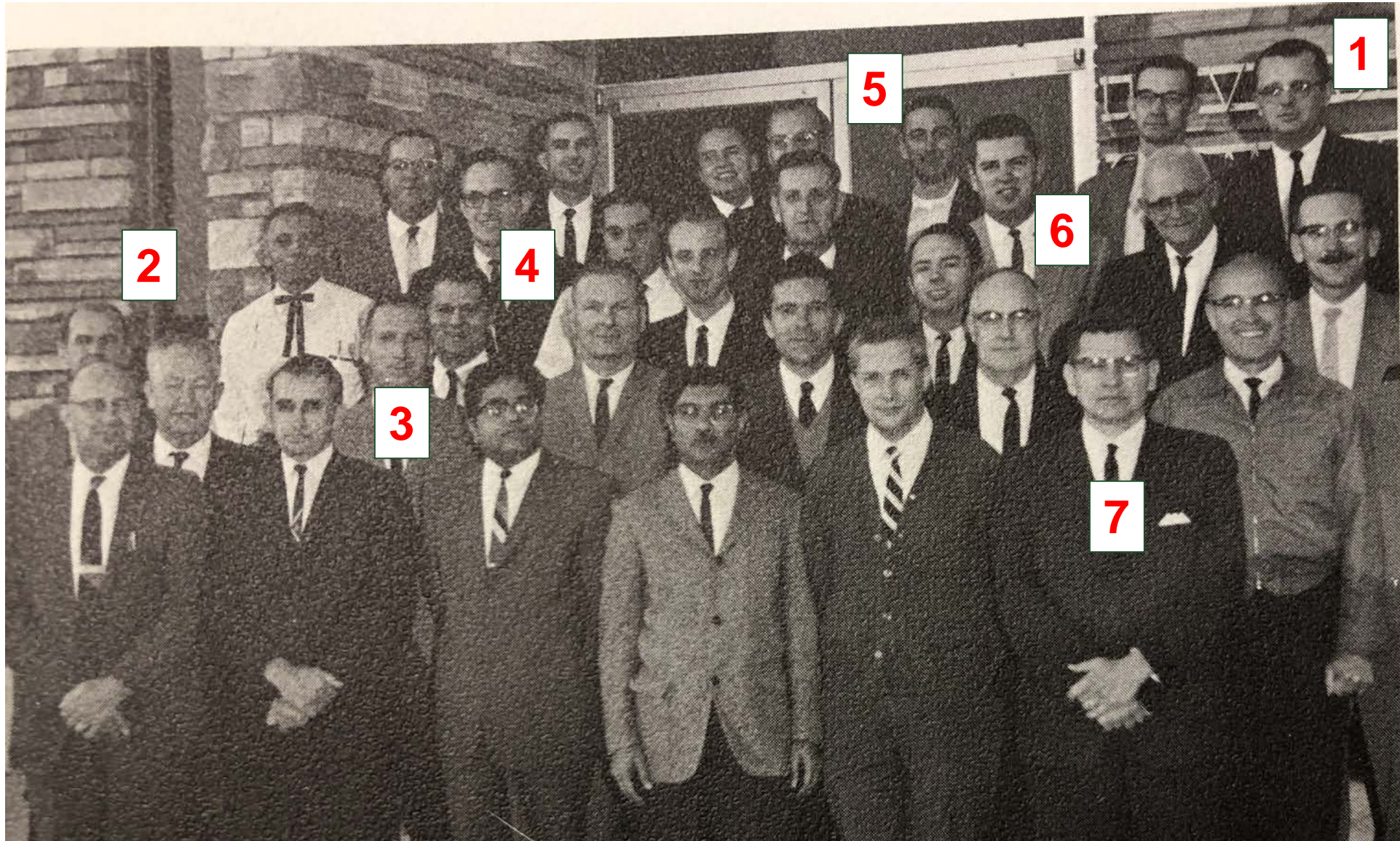
George Thornton



*Left to Right, Row One: Jan Post, Tom W. Patterson, Wayne Viney, John A. Modrick, George C. Thornton. Row Two: Roger N. Moss, William J. Metzger, Mary A. Dutcher, Charles W. Cole, Joyce Moore, Jacob E. Hautaluoma, Gerald P. Benson. Row Three: William A. Quigley, C. Dean Miller, Robert W. Titley, John R. Boulger, Marvin R. Moore, Richard G. Weigel, Frank J. Vingoe.*



# Mathematics & Statistics



1. Duane Clow
2. Ken Whitcomb
3. Darel Hardy
4. Ken Klopfenstein
5. Gene Allgower
6. Roger Culver
7. Max Stein



# Max Stein

## Happy 100<sup>th</sup> Birthday!

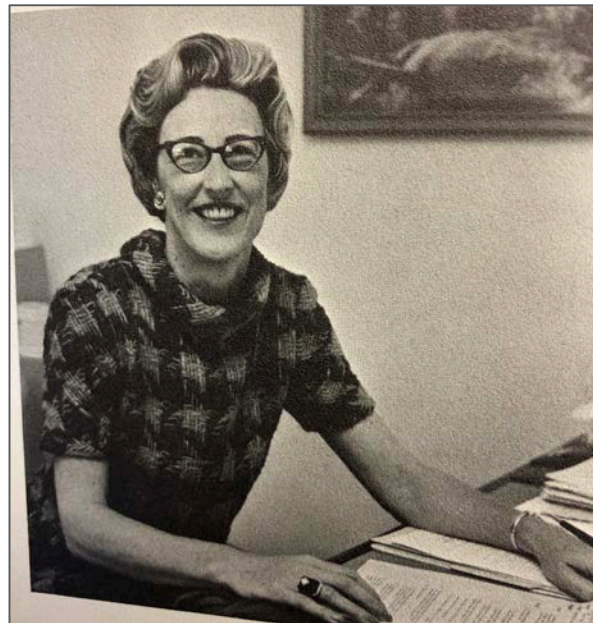


Myron Henry, former PhD Student established  
the Stein-Henry scholarship





# Images of CSU women of 1968 (from yearbook)



Janet Douglas  
**Dean of Women**

“As the women think,  
so the nation goes.”

Office concerned with women's welfare.  
Physical and emotional health, living conditions,  
comparable equity in their education and  
development for self-actualization. Involved  
directly with new women students and in  
processing withdrawals.

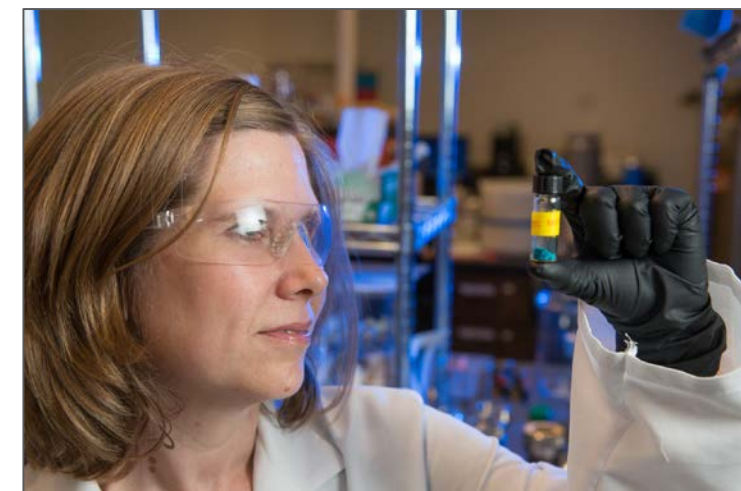
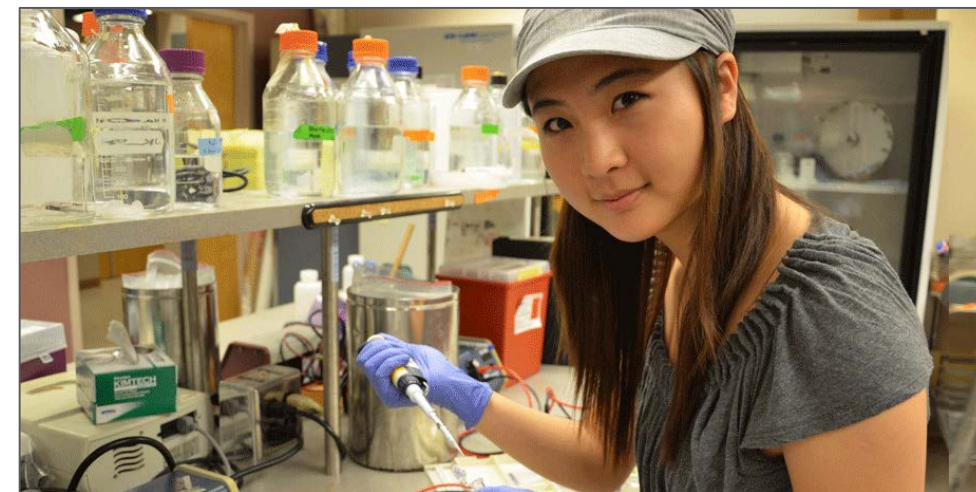
## CSU HOSTESSES



“Appearance and personality are the two  
main qualifications for the Hostesses. We  
volunteer out services for most of the major  
functions on campus.”

# Images from today...

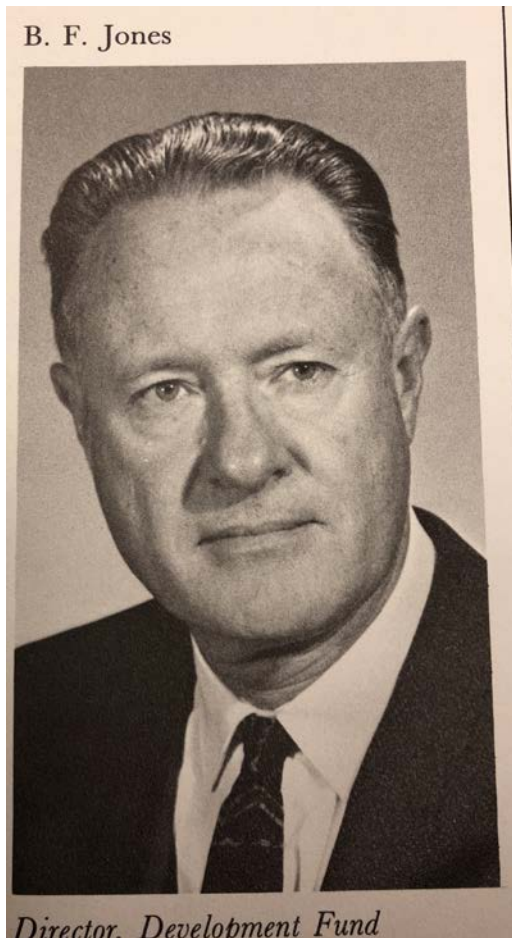
|     | 1968              | Today             |
|-----|-------------------|-------------------|
| CSU | 15,361; 37% women | 26,365; 51% women |
| CNS | 2,393; 30% women  | 4,832; 55% women  |





# Fundraising in 1968

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# Fundraising Now



**SIMONE CLASEN**  
ASSOCIATE VP  
PHILANTHROPIC OPERATIONS



**NATE BUDD**



**SHANA BODE**



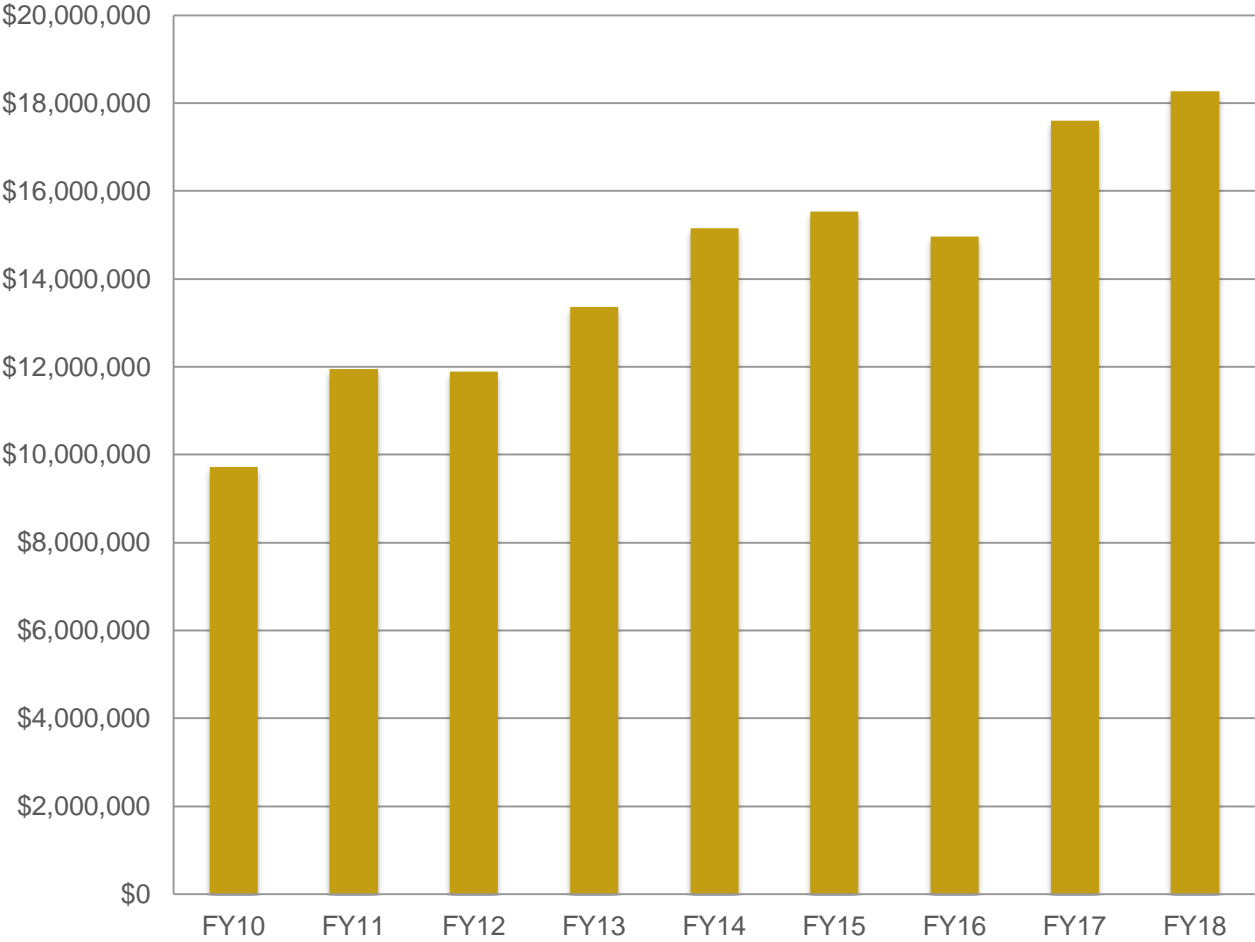
**MEGAN GRIFFITH**



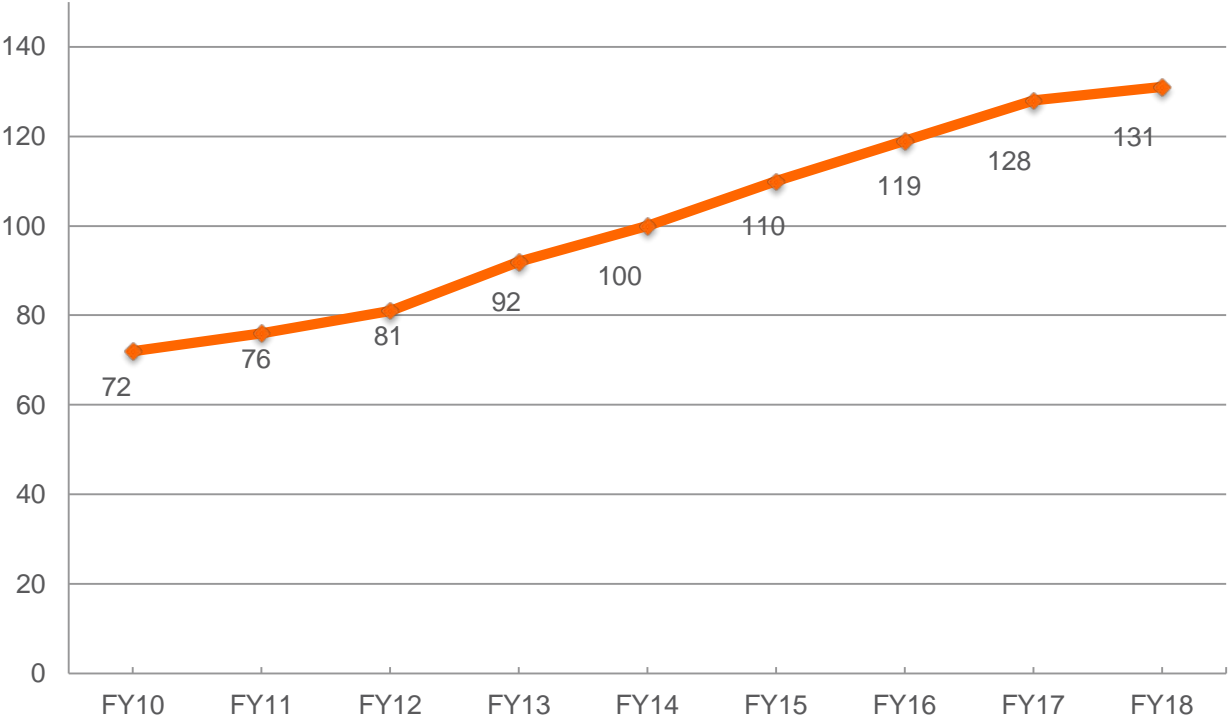
**ELLEN FIELD**



CNS Endowment Total



Number of Endowed Funds



# Three New Scholarships...

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## **Kano-Kiewit Scholarship in Biochemistry**

Established by Addie Kano

## **Paul and Rebecca Kennedy Scholarship in Mathematics**

Established by Paul & Becky Kennedy

## **Janice L. Nerger Undergraduate Scholarship in Natural Sciences**

Established by Glenn & Donna Boutilier



# Final Candidate for CSU President

**JOYCE McCONNELL**

Provost & VP of  
Academic Affairs

West Virginia University





Melissa Bokovitz, CSU Events  
Korina Burn, Dean's Office  
Shana Bode, Development team  
Ellen Field, Development team

# Thank you



# Happy 50<sup>th</sup> !

