

*Thank you  
for joining us!*



**SOUTH DAKOTA  
STATE UNIVERSITY**

**College of Natural Sciences**

*Scholarship Brunch*

The College of Natural Sciences provides a robust, integrative academic experience to foster student success, opportunities to explore the frontiers of knowledge through innovative research, and demonstrates excellence in accordance with South Dakota State University's land-grant mission.

NOVEMBER 6, 2021  
MCCRORY GARDENS

# Order of Events

Brunch and social time  
Music Ensemble  
Introduction to the College  
Overview of Scholarships  
Presentation of Awards  
Closing Remarks



## Playbill

*Lady Madonna, Yesterday, Day Tripper*

Ethan Ellender, violin - Mechanical Engineering  
Ellen Fitzpatrick, violin - Agronomy & Horticulture  
Tyler Williams, violin - Ecology / Environmental Science  
Caleb Lockhart, viola - Human Biology  
Abigail Pape, viola - Pre-Pharmacy  
Miles Retzer, viola - Human Biology  
Sarah Hayden, cello - Wildlife & Fisheries Sciences  
Directed by John E. Brawand, D.M.A.

# About the College

*Welcome to the first annual College of Natural  
Sciences Scholarship Brunch!*

CNS was founded on July 1, 2018, making it the youngest college at South Dakota State University. The University strategically realigned four existing departments to create this new academic unit, and the move has already raised the profile of the programs in the College and created an infrastructure that better supports our students.

Our departments:

- Biology & Microbiology
- Chemistry & Biochemistry
- Geography & Geospatial Sciences
- Physics

*Connect with us!*

Scan the QR code with your smartphone or visit [www.linktr.ee/cns.sdstate](http://www.linktr.ee/cns.sdstate) to access our newsletters, website, and social media.



## *3M Scholarship in Microbiology*

The 3M Scholarships are provided by the 3M plants located in Brookings and Aberdeen. The plant in Brookings was the first 3M plant built to specifically manufacture health-care products. The assistance from 3M is used to help attract some of the brightest students to SDSU to assist science education at a time when shortages of sciences graduates are predicted nationwide.

*2021 awardee - Javi Adividya*

Microbiology major from Karadenan, Indonesia

## *ACS - Hach Land Grant Scholarships*

The mission of the Hach Scientific Foundation is to foster and support science and science education, and to make evident the interdependence between science education and the public. The Foundation believes strongly in the sciences and intends to support appropriate endeavors that encourage the youth of American to engage in a positive exploration of the sciences. Working with students from levels that span from Kindergarten to PhDs, the Hach Scientific Foundation utilizes both scholarships and a variety of outreach programs to help develop and sustain interests in the sciences. Science education is a uniquely important national service. Many great scientists enjoyed formative experiences through an influential chemistry teacher.

*2021 awardee - Samantha Lebert*

Chemistry Education major from Colman, SD

## *Arthur W. Dobberstein Scholarship*

The Arthur Dobberstein Scholarship was made available through a bequest from Mr. Dobberstein. Arthur Dobberstein was a graduate from the New Effington, South Dakota high school. He earned his bachelor of science degree in General Science from South Dakota State University in 1930 and his Masters of Science degree in rubber chemistry from the University of Akron. Dobberstein became a latex chemist in 1933, at the then International Latex Corporation, located in Rochester, New York. He was responsible for all phases of the factory operation after only a few years. In 1945 he became vice president of International Playtex and was in charge of domestic manufacturing. Later, Dobberstein developed manufacturing facilities in Canada, Europe, and South America. All in all, he served nearly four decades with the firm. He was also an accomplished member of the Delaware Legislature.

*2021 awardee - Michael Steinlicht*

Food Science major from Arcadia, WI

## *Avera Brookings Medical Clinic Scholarship*

The Brookings Medical Clinic Scholarship is funded by the Brookings Medical Clinic in Brookings, SD.

*2021 awardee - Emma Lusk*

Human Biology major from Pierre, SD

## *Barry and Jane Dunn Scholarship*

An SDSU alumnus, Barry Dunn is the current President of South Dakota State University. His relationship with SDSU includes three academic degrees—a bachelor of science in biology in 1975, a master of science in animal and range sciences in 1977 and his doctor of philosophy, also in animal and range sciences, in 2000. Dunn brings a broad range of experience as a rancher, producer, and researcher to the office of the President. Previously Dr. Dunn was a Beef Extension Specialist for the South Dakota Cooperative Extension Service, faculty member of animal and range sciences, owned and operated a grain and livestock farm near Brookings and managed his family's cattle ranch near Mission, SD for many years. Prior to returning to SDSU, Dr. Dunn created, developed and directed The King Ranch Institute for Ranch Management at Texas A & M University-Kingsville. In 1991 Dr. Dunn was selected for the Distinguished Alumni Award from the department of biology at SDSU. President Dunn and his wife, Jane, a 1977 SDSU College of Nursing alumna, have two grown sons.

*2021 awardee - Jack Vannurden*

Biology major from Carver, MN

## *Biever Scholarship in Biology and Microbiology*

Dad, Joe Biever (1902-1972) and Mom, Violet (Williams) Biever (1911-2010), met in the early 1930's when, although Dad was courting another girl, after Mom hitched a ride home from college with Dad, the other girl was history. They married in 1934, I arrived in 1936, Kenneth Duane in 1940, and Karolyn Jo in 1942. Mom was always a cutie and lots of fun. At the birthday party we had for her 80th, we asked if she would take the microphone to say something. "No, I'd just like to do the Charleston." Which she did. Dad was always involved in community activities, as town board member, a school board member for 16 years, a Fall River County ASCS Committeeman for 25 years. He founded the Horsehead Ranchers 4-H Club when I was old enough to be a member. He devoted many years to 4-H Club, serving as President of the State 4-H Leader's Association in 1963. And in 1972 the Western Junior Livestock Show was dedicated to him, describing him as "Mister 4-H of Fall River County". Mom also devoted much of her energy to serving the community and making people connections, documenting Fall River County history and working to promote Extension Service and 4-H Club work. She was the primary author of the 1984 *In the Shadow of the Butte* book which chronicles experiences of the early settlers of southeast Fall River County. Whenever anyone arrived in Oelrichs seeking information regarding history or genealogy Mom was top of the list as the go-to person.

These visits usually resulted in Mom serving them lunch and sometimes they even stayed overnight. Mom first taught school with a 2-year certificate and then in 1963 received her BS Degree from Chadron State College. In 1964 at South Dakota State she was named the Little International Honored Homemaker. And in 1974 she was named Eminent Homemaker to recognize her 36 years of Extension Club Service. Mom cared for Daddy 24/7 as he suffered from emphysema. After his death, she ran for State Legislature as a Democrat, serving four terms. She was passionate about and successful in enacting legislation to ban smoking in public buildings. Brother, Duane (1940-2014), was born curious, especially about the crickets, bugs, worms, and little snakes he captured in jars. We worried that he might pick up a poisonous snake because he cut the snakes open to look for their babies. His curiosity took him to SD State where he earned a BS in medical entomology and then on to University of California/Riverside to obtain a PhD in Entomology in 1966. After retiring from a long and successful career with the USDA in Yakima, Washington, Duane continued his devotion to biological control of insect pests as a consultant in tropical countries. Duane boomed his deep bass voice in Barbershop Quartettes for over sixty years. In retirement, Duane and wife Verna (Johnson) moved back to South Dakota to involve themselves in the lives of their four beloved granddaughters. Nothing pleased Duane more than to help his favorite people with their school activities, building frames and trunks for their art, cheering at their ball games, enjoying their showmanship of sheep and pigs at fairs. April babies, Keith Biever and Kathy Sundet, both born in South Dakota (Keith in Hot Springs 1936 and Kathy in Geddes 1939), didn't meet until 1957 on Hobo Day Eve when they found themselves pulling together on

the winning end of the "Tug of War" rope. They soon learned that each was studying German, although in different classes which led Keith to make his move on the "cute girl working the Circulation Desk" at the library with: "Do you know what the German assignment is?" Kathy did but she would laugh for the next 50+ years at how effective – and feeble -- that come-on line was because Keith did then and continues to "always know the assignment". Keith graduated in plant science from SDSU in 1958, then served six months on active duty in the Army in Georgia and Kansas. Following Kathy's finishing two years at SDSU, she and Keith were married in 1959 in the Brookings First Lutheran Church.

They began their married life together in Lincoln, Nebraska, where Keith received a fellowship to earn a Master's in Plant Genetics at the University of Nebraska and Kathy in 1960 completed her Bachelor's in Spanish and English. She taught Spanish and English for one year at Culler Junior High in Lincoln and would continue teaching after she and Keith moved to Washington state. In Graduate School in Lincoln Keith and Kathy met a fun couple from Seattle who were eager to return home.

With the lure of stunning scenery and ubiquitous boats, they convinced K and K to move with them to Seattle. Keith's childhood dream of owning a boat was soon to come true and moving to Seattle would change K and K's lives forever. This was 1961 when Seattle was preparing "to put Seattle on the map" by hosting the World's Fair the next year.

*2021 awardee - Eliza Peters*

Human Biology major from Worthing, SD

## *Bradley and Christine Cordts Scholarship*

Bradley Cordts graduated from South Dakota State University in 1986 with a double major in Political Science and Journalism. He received his law degree in 1989 from the University of Oregon. After graduating from law school, Bradley spent 4 years active duty in the Navy JAG Corp. He continues as a Commander in the Navy Reserve. He has been in private practice for 13 years, the past 9 years as partner in the firm of Cordts and Gulley, PLLC. Christine (Lakner) Cordts graduated from South Dakota State University in 1989 with a Biology major and minors in Microbiology and Chemistry. She received an Executive MBA from the University of Memphis in 2000. Christine works as an Account Manager for Pfizer, Inc. in the Tennessee market. She has been in the pharmaceutical industry for the past 16 years in a variety of sales, training and management positions.

### *2021 awardee - Marias Erickson*

Biology major from White Bear Lake, MN

## *Bruce and Ila Lushbough Scholarship in Pre-Medicine*

Dr. Bruce Lushbough is a native of Sturgis and earned his B.A. degree from USD. He graduated from USD's two year School of Medicine and received his M.D. degree from Jefferson Medical College in Philadelphia, PA. After service as a medical officer, in the U.S. Navy, he and his family moved to Brookings in 1961 where he practiced family medicine at the Brookings Medical Clinic until 1990. From 1964 – 1990 he was the SDSU basketball team physician and served as Adjunct Professor at SDSU in the Athletic Department of the U. of Wisconsin in 1992 and worked for the South Dakota Foundation for Medical Care and the Estelline Medical Clinic until his retirement in 1996. Ila Lushbough is a Rosholt native and received her B.A. in home economics from USD. She taught home economics in Minnesota and Pennsylvania before moving to Brookings in 1961. The Lushboughs have two children: Bruce "Chip" who is a 1982 SDSU graduate and Kathryn who is a graduate of the USD School of Medicine and practices in Rochester, MN. Dr. and Mrs. Lushbough have both been very active in medical organizations. Dr. Lushbough served as President of the SD State Medical Association and Ila served as President of the SD State Medical Auxiliary. Currently they both serve on the Board of Trustees of the USD Foundation. The Lushboughs reside in Brookings and spend winters in Key Largo, FL.

### *2021 awardee - Ava Wakeman*

Human Biology major from Brookings, SD

# *Catherine A. and Thomas R. Madson Memorial Endowment*

The Catherine A. and Thomas R. Madson Memorial Endowment was formed in honor of Cathy Madson who passed away April 3, 2015 after several years battling thyroid cancer. Cathy was born in Brookings and was educated at all levels in the public school system. As with many Brookings kids, she was destined to attend SDSU, often because of affordability but mostly because Brookings kids grew up being part of SDSU life and felt a commitment and loyalty to the University from a very early age. Cathy was no exception. She spoke of watching the annual and iconic Hobo Day parades as a little girl, riding her bike through the campus, and dreaming of one day becoming a Jackrabbit. She graduated from Brookings High School in 1969 and began her freshman year that fall. College is a life-changing experience for everyone who has the privilege of doing so. Cathy moved into Young Hall and greeted her new roommate who was a native Hawaiian and an adventurous young woman who wanted an education and life experience far different from the one she grew up in. These two freshman women instantly bonded and remained friends throughout their lives. They both chose Geography as their major, and I don't know if one persuaded the other. What I do know is that Dr. Ed Hogan was extremely influential and inspirational in both of their lives and was most assuredly the guiding influence in their major selection. When Dr. Hogan learned of Cathy's death, he wrote me a very thoughtful letter.

Not at all surprising to me was that he said she and her roommate were a team, wonderful friends and a joy to have in his class. They were pioneers in the Geography department as two of the very first cadre of SDSU Geography majors. After graduation in 1973, Cathy worked at a bank in Brookings until we were married in 1977. I too grew up in Brookings, graduated from Brookings High School in 1969 and attended SDSU my freshman year. I received an Air Force ROTC scholarship that offered me the opportunity to attend any school with AFROTC and I chose to attend Colorado State University. Upon graduation in 1973, I was commissioned and entered the Air Force for a 26-year career. Cathy and I had 38 wonderful years together, we too were a team. She was a stay-at-home mom when our boys were young. When they were in high school, she started work in women's retail and ultimately managed a small specialty boutique until her cancer forced her to stop. We moved around the country a lot, raised two wonderful sons and finally ended up in Fairfax, Virginia after I retired from the Air Force and where Cathy passed away. Cathy is interred at Arlington National Cemetery near Washington, DC. Cathy's experience at SDSU was very formative for her and she was a loyal Jackrabbit throughout her life. It is my family's hope that through this scholarship a deserving student will enjoy and prosper from the same educational and life experiences Cathy enjoyed and prospered from while at SDSU.

*2021 awardee - Kaila Brudellie*

Geography and History double major from New Ulm, MN

# *Chuck and Marcia McMullen*

## *Biology & Microbiology Scholarship*

Chuck and Marcia McMullen have a long association with South Dakota State University. Before his retirement in May 2002, Chuck spent 36 years on campus working as an instructor and professor and later as head of the Biology and Microbiology Department. He later served as Associate Dean of Academic Programs for the College of Agriculture and Biological Sciences. Chuck was called out of retirement in August 2004, to assume the position of Interim Dean of the College of Agriculture and Biological Sciences until a permanent Dean was named. Chuck has a Bachelor of Science degree in biological sciences from Northern State University, a Master of Science in Botany and Ph.D. in Agronomy from SDSU. Marcia began her employment with SDSU as a secretary in the Physical Plant Department. She later worked in staff positions for Public Broadcasting, the College of Family and Consumer Sciences and the Briggs Library. She retired in 2002 after 42 years of service to the State of South Dakota. Marcia has an Associates Degree in General Agriculture from SDSU. Chuck and Marcia live in Brookings. They have two children and five grandchildren.

*2021 awardee - Caleb Harthoorn*

Biology major from Norfolk, NE

*2021 awardee - Hannah Zantow*

Microbiology major from Oakes, ND

## *College of Natural Sciences*

### *General Scholarship Fund*

This scholarship is made available out of the generosity of many donors, including students and faculty who donate during One Day for State. As with all scholarships, this award reflects the giving spirit of those who care and want to support student success. On behalf of the College of Natural Sciences, thank you all who have helped to support this scholarship.

*2021 awardee - Megan Schulte*

Human Biology and Biochemistry double major  
from Watertown, SD

## *David and Julie Hilderbrand Scholarship*

David Hilderbrand grew up on a farm near Versailles, Missouri. He graduated from Southwest Baptist College in 1967 (BA) and the University of Missouri in 1971 (PhD in Chemistry). He came to SDSU as an assistant professor of chemistry in 1974 and since has served as Head of the Chemistry Department, Director of International Programs, Director of Sioux Falls Programs, and Dean of the Graduate School. Julie Hilderbrand grew up in Sedalia, Missouri. She is a graduate of Southwest Baptist College in 1968 (BA) and the University of Missouri in 1974 (M.Ed. in early Childhood Education). She has taught in private and public schools in Missouri and South Dakota. Julie has also Directed After School Programs in Sioux Falls and Brookings, South Dakota.

*2021 awardee - Natalie Kramer*

Global Studies and Chemistry double major  
from Papillion, NE

## *DeZeeuw Family Scholarship*

Rufus grew up on a farm near Elkton, South Dakota and graduated from South Dakota State University in 1979 with a major in Animal Science (BS). Patty grew up west river SD but also found her way to SDSU, graduating in 1980 with a double major in Animal Science and Microbiology, and then adding her MS in Biology in 1986. She worked at SDSU for over 10 years, first in the Animal Disease Research and Diagnostic Laboratory and then in the Human Nutrition & Food Science Research Laboratory. Patty and Rufus are both loyal Jackrabbits who have been greatly blessed. Their family scholarship is given especially to provide financial support to a deserving student and also to encourage others to donate from their blessings to future students.

*2021 awardee - Kyliee Dunn*

Human Biology major from Marion, SD

## *Don Auger Scholarship in Biology & Microbiology*

Don's love of genetics, maize research, and teaching was evident to his family, friends, colleagues, and students. The establishment of a scholarship in Don's name honors his commitment to see students succeed and hopefully will encourage more students to enter the field of biology. Don graduated with an undergraduate degree in Psychology, worked as a Social Security Administration claims representative, then obtained his PhD in Biology to bring him back to his first love of science which led to a career as a maize geneticist and professor. He was gifted at teaching and received several awards from SDSU. Hopefully, his spirit will live on in the lives of past and future students.

*Committed to be awarded*

## *Douglas and Shirley Randall Scholarship in Chemistry*

Doug and Shirley Randall are both originally from South Dakota. Doug received his B.S. in chemistry from South Dakota State University in 1965. Shirley was a math major at SDSU while working in SDSU's machine records and later finished her degree in accounting from the University of Missouri. Doug later earned a Ph.D. ('70) in biochemistry from Michigan State University where he studied plant metabolism. Doug joined the Agricultural Chemistry Department at the University of Missouri-Columbia (MU) in 1971. He is currently professor emeritus of biochemistry at MU.

From 1981-2008 he was the founding director of the Interdisciplinary Plant Group at MU. Shirley earned her CPA and pursued a career public accounting and then as a financial director of MU's University Physician's and then as director of finance for Boone Hospital Center in Columbia, MO. Randall's research has focused on plant metabolism, regulation of plant enzymes, and metabolic interactions between photosynthesis, photorespiration, and respiration. He also patented a method for enhancing plant production of biodegradable plastics. His interactions and collaborations with plant biology colleagues also led to the establishment of the Interdisciplinary Plant Group (IPG) at MU in 1981. Under Randall's leadership and MU's Food for the 21st Century Program, the IPG has grown from nine to 60 research teams is recognized internationally as one of the top programs in plant sciences.

Randall was also instrumental in the establishment and design of the Christopher S. Bond Life Sciences Center at MU and the Donald Danforth Plant Science Center in St. Louis. Randall has served on the editorial board of numerous scientific publications and has been the recipient of a number of awards and honors, including the University of Missouri System's Thomas Jefferson Award and Professorship, MU's Wm H. Byler Distinguished Professor Award, South Dakota State University's Distinguished Alumni Award, Michigan State Biochemistry Department's John Boezi Alumni Award, and MU's Gold Chalk Teaching Award. He is a fellow of the American Society of Plant Biologists (ASPB) and recently received the ASPB's Charles R. Barnes Life Membership Award. He is a Fellow of the American Association for the Advancement of Science. In 1973, he was chosen to be a member of the National Science Foundation's Great Barrier Reef expedition to study marine plant photorespiration. Randall was appointed to the National Science Board in 2002 by President Bush and reappointed in 2008 by President Obama.

### *2021 awardee - Deirdre Cross*

Biochemistry major from Jefferson, SD

### *2021 awardee - Meg Sheehan*

Biochemistry major from Blair, NE

## *Dr. Chen Ho and Jane Chen Scholarship in Biology & Microbiology*

This scholarship was established by Dr. Chen Ho Chen and his family to honor wife and mother, Jane Ru Chen, and the whole family's long connection with South Dakota State University.

### *2021 awardee - Hannah Moran*

Human Biology and Microbiology double major  
from Sioux Falls, SD

## *Dr. Roger and Linda Sandness International Study Scholarship*

Both Roger and Linda Olson Sandness grew up in rural areas, earned advanced degrees and taught at SDSU for many years. Roger became the head of the Geography Department and Linda served as the Health, Physical Education, and Recreation Department academic coordinator. Roger and Linda both believe that international travel opens the world to an individual and they wish to extend this opportunity to students attending South Dakota State University.

*2021 awardee - Kaila Brudelic*

Geography and History double major from New Ulm, MN

## *Edward P. and Joan M. Hogan Scholarship in Geography*

Edward Patrick Hogan was earned his BS degree (1961), MA degree (1962), and Ph.D. degree (1969) from Saint Louis University. Joan Marie Ford attended Saint Louis University where she met Ed. Later Joan earned both the BS (1994) and the MS (1997) degrees from SDSU. Ed and Joan married in 1963. Today, they are the parents of 5 adult children. In 1967, they moved their family to Brookings. Ed had accepted a position at SDSU, where he was charged with developing the state's only geography program. The Department of Geography at SDSU is today recognized as one of the top geography programs in the nation and is one of the leading producers of cartographers for the U.S. government. In July 2003, Ed retired from SDSU as Emeritus Professor of Geography, Emeritus Associate VP for Academic Affairs, and Emeritus Chief Information Technology Officer. Joan was an instructor in the Communication Studies and Theatre Department at SDSU and produced and hosted two medical radio programs.

*2021 awardee - Luke Gorski*

Geography major from Des Moines, IA

## *Edward R. and Ina S. Binnewies Memorial Scholarship*

The Edward R. and Ina S. Binnewies Memorial Scholarship in Chemistry was established in memory of E. R. Binnewies in 1964 by faculty and friends. Edward Binnewies was born in Moody County, South Dakota, in 1881. He earned a Bachelor of Science degree in 1913 and a Master of Science degree in 1915 from SDSU. He joined the SDSU staff as a chemistry lab instructor in 1913, and eventually worked his way up to director emeritus of student affairs in 1950. Professor Binnewies was active in a variety of national, state and community organizations and activities. He also served on many university committees during his 51 years on the SDSU staff. Mrs. Binnewies passed away in 1989.

*2021 awardee - Luke Knutson*

Biochemistry major from Mitchell, SD

## *Elmer R. & Roberta D. Johnson Scholarship in Chemistry*

Elmer Johnson received his B.S. in chemistry from SDSU in 1933. In 1936, he entered graduate school for further work in chemistry and received his Ph.D. in 1940 from the University of Wisconsin.

He started work as a research chemist at the Beacon, N.Y. laboratories of the Texas Co. In 1946, Elmer returned to SDSU to become a chemistry professor. He then taught at SDSU for more than three decades and also served as a counselor to students majoring in science. Elmer passed away in 1996. Roberta Johnson received her B.A. in bacteriology from the University of Wisconsin in 1939. After a year's internship, she was certified by the American Society of Medical Technologists. Roberta worked as a research technician at the USDA Northern Grain Insect Research Lab in Brookings from 1966 to 1985. She has taken an active part in community, college and church activities within the Brookings area. Roberta passed away in 1993.

*Deirdre Cross*

Biochemistry | Elk Point, SD

*Jacqueline Laddusaw*

Chemistry | Kingsley, IA

*Zachary Douglas*

Chem. Education | Custer, SD

*Peyton Parker*

Chemistry | Box Elder, SD

*Luke Knutson*

Biochemistry | Mitchell, SD

*Sydney Woltman*

Chemistry | Cherokee, IA

## *Elton D. Schafer Scholarship*

Elton Duane Schafer was born on May 8, 1939 to Earl and Evelyn (Bauman) Schafer. He attended high school in Webster, SD, earned a B.S. in Engineering Physics at SDSU, and earned a Ph.D. in Physics at University of Illinois, Urbana. After college, he relocated to California and remained there until his passing. Elton was a man of routine, quiet, intelligent, generous, and a gentleman. He loved music and was intrigued with the sky and the stars. He passed away January 5, 2019 in California and will be greatly missed by his family and friends.

*Committed to be awarded*

## *EROS Scholarship in the Department of Geography*

The Earth Resources Observation and Science (EROS) Center is a remotely sensed data management, systems development, and research field center for the U.S.

Geological Survey. EROS is located in the country approximately 15 miles north of Sioux Falls, SD. EROS employs scientists with a wide variety of backgrounds including many SDSU Geography graduates.

*2021 awardee - Sadia Islam Ritu*

Geographic Information Sciences M.S. student  
from Patuakhali, Bangladesh

## *Eugene Burr & Ella Burr Schultz Scholarship in Chemistry*

Eugene (Gene) Burr was born on October 22, 1908, and was raised in Montrose, SD. After graduating as valedictorian from high school, he went on to earn a BS in 1930 from SDSU. He earned his MS in Chemistry from SDSU in 1934. He was an instructor and assistant professor at SDSU from 1934-1944. He then began working as a sales manager for EH Sargent, a chemical apparatus company, in Chicago. He died June 28, 1964. Ella Burr Schultz was born July 3, 1915 in Montrose, SD. She graduated from Brookings High School, earned her bachelor's degree in general science from SDSU in 1936. She earned a second bachelor's degree from the University of Idaho. She taught school from 1936-1946. After her marriage to Leo M. Schultz in 1945, they operated a general store together. Mrs. Schultz moved back to Brookings in 1982 and died July 28, 2000. Mrs. Schultz made this bequest in tribute to her brother, Eugene Burr, for assisting her financially in attaining her college education.

### *2021 awardee - Parker Peyton*

Chemistry major from Box Elder, SD

### *2021 awardee - Laura Klaverkamp*

Biochemistry major from Clearwater, MN

## *Frances J. Anderson Scholarship in Physics*

Frances J. (Miller) Anderson grew up in Redfield, South Dakota, and attended South Dakota State University, graduating in 1959 with a B.S. degree in Physics. She went on to earn M.S. and Ph.D. degrees in Physics from the University of Minnesota. She taught in the Twin Cities area, at the University as a graduate student and later at Breck High School, Abbott Northwestern Hospital School of Anesthesia, the College of St. Catherine's and the University of St. Thomas. Ill health shortened her career somewhat. Dr. Anderson died in April 2009.

### *2021 awardee - Jax Wysong*

Physics and Math double major from Hills, MN

### *2021 awardee - Adam Wood*

Physics major from Berthoud, CO

### *2021 awardee - Matthew Flesche*

Physics major from Plymouth, MN

# *Geography Alumni Scholarship Fund*

The Geography Alumni Scholarship Fund was established by Loren Hill, a 1971 Geography graduate of SDSU. Loren Hill was born in 1948 at Lake Preston, South Dakota. He lived on the family's farm in Erwin, South Dakota throughout high school. He attended SDSU from 1966 to 1971, graduating with a BS in Geography. After working at several jobs in Iowa and Colorado over a four year span, Mr. Hill returned to SDSU in 1975 to pursue a Master's Degree in Geography. Upon graduating in 1979 with an MS, he worked for the Geography Outreach Project at SDSU for one year. Mr. Hill was one of the members of a group that in 1970 conceived the idea of the South Dakota State Annual Geography Convention. He attended the Art Institute of Boston 1986-1989 to pursue professional photography, and is now active in photography and geographic education.

## *2021 awardee - Kadin Norris*

Geographic Information Science major from Graettinger, IA

## *2021 awardee - Evan Traxler*

Geography major from Le Center, MN

## *2021 awardee - Jacson Welte*

Geography major from Sergeant Bluff IA

# *Gordon Niva & Susan Lahr Scholarship in Physics*

Susan Lahr grew up in Brown County and attended Frederick High School. She attended SDSU and graduated from the College of Pharmacy in 1975. While at SDSU, Susan was a Resident Assistant and a member of Mortar Board, Guidon, and Rho Chi, the College of Pharmacy's Honor Society. Susan and Gordon married after graduation and lived in Lincoln, Nebraska until Gordon received his PhD in Physics in 1979. After moving to California, Susan attended California State University, Fullerton while working and graduated with a Masters in Business Administration in 1983. She has worked for Longs Drug Stores as a pharmacy manager and has also worked on special projects for the company. Susan is a member of the Army National Guard and also serves and the Vice President of the local homeowners' association. She has run over 30 marathons and enjoys watching college football – especially the Nebraska Cornhuskers. Gordon Niva Grew up in Brown County and attended Barnard High School for 11 years, graduating from Frederick after a school district consolidation. He attended SDSU majoring in Engineering Physics and Chemistry and graduating in 1973. As an SDSU student, Gordon worked as a Resident Assistant, served on the Hobo Day Committee for four years, was a member of Phi Kappa Phi, and was active in TKE and the Scabbard and Blade.

Gordon was honored as "Wearie Willie" at Hobo Day 1976. He married Susan Lahr in 1975 while attending graduate school at the University of Nebraska-Lincoln. Gordon received a Masters in Physics in 1975 and a PhD in Astrophysics in 1979. In 1979 Gordon was hired by Rockwell International of Anaheim, CA after graduation and worked in system engineering and management of advanced missile systems until 1996. In 1996 Rockwell divested Gordon's business unit to the Boeing Company. He works for Boeing now as their cruise missile defense business development manager. Gordon has spent 28 year sin the Army National Guard and has progressed to the rank of full Colonel. He currently serves at the State Headquarters in Sacramento, CA. Gordon is an internationally recognized lecturer on management and system engineering. He is a consistent runner and marathoner, struggling against the march of time to maintain his high school weight. He and Susan have run 16 consecutive Los Angeles Marathons as a married couple. Gordon is an avid college football fan and enjoys fall Saturdays watching the Nebraska Cornhuskers with Susan. Both Gordon and Susan enjoy traveling, but they always consider South Dakota home, and they remain active supporters of South Dakota State University.

### *2021 awardee - Zachary Lehmann*

Physics and Biochemistry double major from Sioux Falls, SD

### *2021 awardee - Austin Noble*

Physics major from Sioux Falls, SD

## *Guss Memorial Award*

The Guss Memorial Award was established in 1967 by Doris Guss Schirmer, wife of Lester and mother of Donald and Paul Guss. The award recognizes members of the Guss family from Brookings. Dr. Lester Guss joined the chemistry faculty at SDSU in 1928 and served as head of the department from 1940 until his death in 1944. Dr. Donald Guss received a bachelor of science degree in engineering physics from SDSU in 1952 and was employed as a project scientist at Goddard Space Flight Center in Maryland at the time of his death in 1967. Dr. Paul Guss received a bachelor of science degree in chemistry from SDSU in 1962 and was employed at the USDA Insect Laboratory in Brookings until his death in 1984. Doris Schirmer was born in 1904 and married Dr. Lester Guss in 1928. She attended St. Cloud State Teachers College, and received her Bachelor of Science degree from SDSU in 1941. She passed away in 1985.

### *2021 awardee - Jacqueline Laddusaw*

Chemistry and Biology double major from Kingsley, IA

## *Hardin-Palmer Scholarship in Chemistry & Biochemistry*

Dr. Ivan S. Palmer earned a B.S. degree in Chemistry in 1955 and his M.S. degree in 1956 from SDSU. After obtaining his Ph.D. degree from Penn State University in Ag and Biological Chemistry in 1960, he spent two years as a chemist for a governmental agency in Washington, DC. He returned to Brookings as an Assistant Professor of Chemistry in 1962 and was promoted to Professor of Chemistry in 1973. He retired from SDSU in 1998 after 36 years on the SDSU faculty. The regents of SD named him Emeritus Professor of Chemistry and Biochemistry upon his retirement. Known for his work in selenium biochemistry research, Dr. Palmer earned tremendous exposure for both himself and SDSU through this work. SDSU awarded Dr. Palmer a Distinguished Alumnus Award for Service to SDSU in 2000. Ivan has three children and four stepchildren. He lives in Brookings and has 18 grandchildren and one great grand-child. Susan passed away April 24, 2013.

### *2021 awardee - Brandon Schuldt*

Chemistry and Biochemistry double major  
from Watertown, SD

## *Hajek Family Scholarship*

Dr. Thomas Hajek graduated from SDSU in 1969 with Bachelors of Science degree in Biology and in 1972 with a Master of Science degree in Zoology. He received his DDS degree from the University of Nebraska College of Dentistry in 1976. Dr. Hajek has practiced dentistry in Huron for 37 years. He and his wife Jean, a urology nurse, have three children Kelli, Ryan and Tyler.

### *2021 awardee - Katherine Erickson*

Human Biology major from Aberdeen, SD

## *Harold M. and Betty L. Froslie Scholarship in Physics*

The Harold M. and Betty L. Froslie Physics Scholarship Fund was established in memory of Dr. Froslie by friends, alumni, and members of his family. Harold Froslie served as a teacher, administrator, and research scientist at SDSU for 27 years until his death in 1976. Harold received his BS degree in Physics from Augustana College in Sioux Falls in 1940. He then enrolled at the University of Iowa, receiving his MS degree in Physics there in 1942. He received his Doctorate degree in Physics from the University of Wisconsin in 1947, with his major field of interest being atomic and molecular physics. From 1947 to 1949, Harold was an assistant professor of Physics at Kansas State University. He came to SDSU in 1949 as professor and head of the Department of Physics, a position he held for over 26 years. Virginia Lee "Betty" Froslie died February 24, 1992. She designated that a portion of her estate be added to the endowment fund.

*2021 awardee - Zachary Lehmann*

Physics and Biochemistry double major from Sioux Falls, SD

## *Jerry & Nancy Tunheim Scholarship in Physics*

Jerald Tunheim earned a B.S. in Engineering Physics (1962) and an M.S. in Physics (1964) at South Dakota State University. He went on to earn his PhD at Oklahoma State University (1967). He began his career at SDSU by becoming an Assistant Professor of Physics and completed his tenure at SDSU as Head of the Physics Department. During this time, he was also a visiting scientist at Sandia Corporation in New Mexico and Ames AEC Laboratories in Iowa. For two years, he was Dean of the School of Mathematical Sciences and Technology at Eastern Washington University. He returned to South Dakota in 1987 as President of Dakota State University in Madison, where he retired in 2004. In high school he believed he would not be able to attend college, but that changed when he attended a scholarship day at SDSU and received a Briggs Scholarship. Now, he wants to give back and help future students achieve their educational goals too.

*Committed to be awarded*

## *John and Betty McAdaragh Memorial Scholarship in Microbiology*

John McAdaragh attended Huron College from 1947-48. He then served in the Navy from 1948 to 1952 and attended SDSU from 1952 to 1955, when he received his Bachelor's Degree. He became an assistant in veterinary science at SDSU in 1955, and received his MS degree in 1957 from Montana State. He did additional graduate work at SDSU in 1966. In 1958, John was named Assistant Professor at SDSU and in 1974, Associate Professor of Veterinary Science.

During his 28 years of service at the University, John worked in the lab in which he devoted his efforts to the use and development of a variety of diagnostic procedures to detect and evaluate infectious diseases. His teaching experience included eight years of teaching an introductory course in cell culture techniques to undergraduate students in microbiology and four years of teaching a lecture-laboratory course in virology to undergraduate students in microbiology, medical technology, and pre-medical students.

John McAdaragh died November 13, 1983.

### *2021 awardee - Jackson Kunz*

Microbiology major from Eureka, SD

## *John H. Keill Memorial Scholarship in Geography*

Let it be known that this award in memory of John H. Keill has been set up because of John's love of everything geography. John taught 9-12th grade World Geography and A.P. Human Geography at Washington High School in Sioux Falls, SD for 25 years. On a professional level, John was proud of his work, dedicated to geography, and successfully helped to lobby the state of South Dakota to become the first state in the nation to require geography as part of high school graduation requirements. John became involved with the South Dakota Geography Alliance as a teacher consultant and later served on their Board of Directors. His love for geography was infectious and it afforded him experiences that he never forgot.

### *2021 awardee - Opi Ouallo*

Geography major from Sioux Falls, SD

## *Kayongo-Male Family Scholarship in Biology and Microbiology*

Henry and Diane Kayongo-Male received their PhDs from Michigan State University. They taught at the University of Nairobi, Kenya, for 10 years before relocation to SDSU in

Brookings in 1985 with their five children. Henry is a professor of Biology and Diane is a professor of Sociology. Two of their children graduated from SDSU, Jessica with a BA in Sociology (1996), and Jimmy with a Masters in Exercise Physiology and a commission in the Air Force ROTC program (1994). They have net extraordinary students in their tenure at SDSU. This endowment is a sign of their gratitude and appreciation to past students and an extension of opportunity for future students.

### *2021 awardee - Peyton Boll*

Human Biology major from Sioux Falls, SD

## *Lee Opheim Scholarship*

The Lee Opheim Scholarship Fund was established by Edward Patrick Hogan and Joan Ford Hogan of Brookings. Edward Hogan is a professor and assistant vice president at SDSU. Joan Hogan is a 1994 and 1999 graduate of SDSU. Lee Opheim, deceased, was a professor of Geography at SDSU from 1969 until his death in 1998.

### *2021 awardee - Riley Jacobsen*

Geographic Information Sciences and Geography double major from Brookings, SD

# *Louise Guild Scholarship in Biochemistry*

## *Lloyd Baillie - Atlantic Richfield Scholarship*

The Lloyd Baillie-Atlantic Richfield Scholarship was established in 1980 by the Atlantic Richfield Corporations in Los Angeles, CA. Lloyd Baillie received his Bachelor of Science degree in Chemistry from SDSU in 1952. He joined the Atlantic Richfield Corporation in 1956 and was employed as a Research Associate at Atlantic Richfield technical center in Harvey, IL and later became a Research Advisor. Mr. Baillie is now retired. Mr. Baillie was selected to receive Atlantic Richfield Corporation's "Outstanding Achievement Award" in 1980. As part of the award, the sum of \$5000 was given to the college of Mr. Baillie's choice, which was SDSU.

## *2021 awardee - Brandon Schuldt*

Chemistry and Biochemistry double major  
from Watertown, SD

Louise Guild was an Associate Professor Emeritus of Nutrition research at South Dakota State University. She joined the SDSU faculty in July 1964 and retired in November 1978. Louise was born September 6, 1912 in Amesbury, Massachusetts and graduated from Amesbury High School. She earned a BS degree in Foods and Nutrition from Framingham State College in Massachusetts, a MS degree in Nutrition from the University of Massachusetts at Amherst in 1953 and additional credits in Biochemistry at SDSU. Louise worked on analysis of plant foods from Mexico and Central America at the Massachusetts Institute of Technology and on niacin metabolism at Umass. At Montana State University in Bozeman, she analyzed data and prepared the final report on a nutritional status study of Montana young people. She also served as Home Economics Agent in Sweet Grass County, MT, and as State Extension Nutritionist in New Hampshire before joining the faculty at SDSU. At SDSU, she worked on fatty acid analysis a food consumption study of students eating in the SDSU food service, and on a basic nutrition study on the interactions of different carbohydrates and fats on lipid metabolism in rats. Louise generously chose to start scholarships at SDSU, providing the funding for them through a gift of her house in Brookings. Her gift of scholarships continues her tradition of support to students seeking to further their education.

## *2021 awardee - Caitlynn McGregor*

Biochemistry major from Salem, SD

## *Lowell and Deanna Satterlee Scholarship in Chemistry & Biochemistry*

We established the Lowell and Deanna Satterlee scholarship program in chemistry and biochemistry at SDSU in 2021 as an effort to pay back the university for all it did to help us pursue a life-long career in science. Secondly our support, though small over past years, was always directed to providing funds to help students pursue their education and dreams in science. This scholarship program will now allow our support for students to continue at a higher pace and for many years into the future. In a world that has so many scientific and technological needs in health and the environment, we need to support those young science students achieve their educational goals and become the scientists of our future.

*Committed to be awarded*

## *LuVerne R. Peterson Endowed Scholarship in Physics*

LuVerne Peterson did not always know he wanted to study physics. Growing up in South Dakota, he worked with his father in a grocery store for a quarter an hour, but LuVerne did not want to do that forever. He wanted to do something a lot more creative. Neither of his parents went to college, so attending a university was not a guarantee, but his father made sure all three of his children were able to go. For LuVerne, his educational journey took him to South Dakota State University (SDSU), where he earned a bachelor's degree in engineering physics in 1970 as a first-generation student. It was his high school science teacher, Mr. Karnes, who inspired him to pursue a degree in engineering or physics. Shortly after completing his degree, LuVerne joined the United States Naval Reserve, served during the Vietnam War, and was eligible to benefit from the GI Bill. Driven by the anticipation of a challenge, LuVerne decided the next step in his career was to earn a master's degree. He had been to Colorado in the past on vacation and liked it, so he visited a few universities in the state to determine where he should pursue his graduate degree. He decided Colorado State University (CSU) was the place for him. LuVerne made the most of his time in Fort Collins, working at a local furniture company to establish residency in the state, taking advantage of the pristine hiking trails, teaching undergraduate students through a graduate teaching assistantship, and ultimately earning a Master of Science in Physics in 1977, along with a Colorado teaching certificate.

Earning his master's degree opened up new opportunities for LuVerne, and after graduating he moved to California for a position with Burroughs Corporation working in magnetic memory technology. During his career, LuVerne made an effort to stay on the technical side, rather than work his way up into management, because he felt that he was able to be more creative. Expressing his creativity though his work culminated in an impressive career with 18 approved patents.

Throughout his time at SDSU, in the military, at CSU and working at several technology companies, LuVerne was motivated by the challenge, and strove for being useful and creative. His passions for usefulness and creativity is what has inspired the creation of the LuVerne R. Peterson Endowed Scholarship in Physics. LuVerne hopes this Fund will allow others to pursue similar opportunities to the ones he was able to take advantage of: "The education I got gave me the opportunity to do something useful, and something a lot more creative. I want to give someone else that opportunity if they're good at it. If someone else has a really good idea, I figure, it's money well spent."

### *2021 awardee - Matthew Flesche*

Physics major from Plymouth, MN

### *2021 awardee - Jax Wysong*

Physics and Math double major from Hills, MN

## *Marla S. Tunnell Scholarship in the Department of Geography*

Marla Tunnell serves as the Business Office Coordinator at the Chateau Assisted Living at Sharmar Village in Pueblo, Colorado. Marla met William Macksam when Bill was a resident at Sharmar Village and their friendship continued after Bill returned to his home in Pueblo West, CO. Marla's husband, Dave Tunnell, assisted Bill with many of his weekly chores when Bill could no longer drive a car and was confined to a wheel chair.

### *2021 awardee - Trevin Dinkel*

Geographic Information Sciences and Geography double major from Las Vegas, NV

### *2021 awardee - Reid Dettbarn*

Geographic Information Sciences and Geography double major from Underwood, IA

## *MFS Undergraduate Assistance Program in Microbiology*

The MFS Undergraduate Assistance Program was established by Robert McGrath, Myron Falken, and Ronald Stangeland in 1978, thus the "MFS" in the title. Robert McGrath was the Brookings City Health Officer. He graduated with a Microbiology and Health Science double major from SDSU. Myron Falken earned his MS degree from the SDSU Microbiology Department. He worked as an epidemiologist at the Minnesota Department of Health for 20 years and developed the blood lead surveillance system and the birth defects surveillance system. Ronald Stangeland is a former Assistant Professor of Microbiology at SDSU. He is currently the Senior Microbiologist and Sterilization Engineer for the 3M Medical Products Division.

*2021 awardee - Hannah Zantow*

Microbiology major from Oakes, ND

## *Moriarty Family Scholarship in Geography*

Mr. John J. Moriarty was a railway postal clerk for over 37 years. Upon his retirement in 1937, his wife Cecilia A. and he started a restaurant in order to support a college education for their five children. Three of their children, John, Cecelia, and Paul, are graduates of South Dakota State University. Joseph and James are graduates of Marquette University Medical School. Today John and Paul are businessmen in Brookings. Doctors Joseph and James are residents of Minnesota, while Cecelia is now Mrs. C. J. Multhauf of Kansas City, Missouri. The Moriarty Family Scholarship is established in honor of Cecelia A. Grama Moriarty. Her love of God, mankind, and life serve as an example for all. Her motto, "nothing is impossible" and quest, "what are you going to do next," provide Moriarty Family Scholarship winners with a basic tenant of belief and a direction for their educational and career goals.

*2021 awardee - Marie McLaughlin*

Geography major from Sioux Falls, SD

## *Nancy and Bill Wadsworth Scholarship*

William Wadsworth received a Bachelor's degree and Master's degree, both in chemistry, from Trinity College in Connecticut. He later earned a Ph.D. from Pennsylvania State University. From 1956 to 1963, Dr. Wadsworth served as a research chemist for the Rohm and Haas Company.

From 1963 until retirement, he served as professor chemistry at South Dakota State University. He also received faculty fellowships and served briefly on the faculties of Notre Dame and Princeton University. In 1989, he received the Burlington Northern Achievement Award for Excellence in Teaching. Dr. Wadsworth was the author of numerous research papers, the recipient of research grants, and has lectured both in the U.S. and overseas. A paper that described a chemical reaction named after him, "The Homer -Wadsworth-Emmons Reaction", was named one of the ten most referenced papers in chemistry for the decade it was published.

Dr. Wadsworth was active in the Boy Scouts, served two terms on the Brookings School Board, and is a long time member of the Brookings Kiwanis Club. Nancy Wadsworth received her Bachelor's degree from Chatham College in Pittsburgh, Pennsylvania and her Master's degree from Pennsylvania State University. Upon graduation, she was employed as a virologist by Merck Sharpe & Dome. The Wadsworths have four sons, two of whom are university professors, one at the University of Iowa and the other at Rutgers University. Their other sons work in Sioux Falls.

Tom is a stock broker and branch manager of Dain Rauscher and Tim is employed in the service industry. The Wadsworths have five grandchildren.

*2021 awardee - Tyson Hage*

Chemistry major from Vermillion, SD

## *Olive Burke Crary and Gerald Crary Jr. Scholarship*

Olive Burke Crary attended Augustana Academy at Canton, and Madison Normal, now Dakota State University, where she earned her elementary teaching certificate. She graduated in 1929, with a bachelor's degree in home economics and secondary education with an English minor. She married Gerald D. Crary on November 11, 1928. Upon marrying Gerald, she immediately became a mother to his two sons from a prior marriage, Gerald D. Jr. and Thomas H. After both of the sons were grown and married, the couple had a daughter, Margaret Ann. Olive died April 15, 2001. Gerald D. Crary Jr. graduated from SDSU in 1939 with a degree in, what his father called, "tree surgery." He also earned his army commission in the ROTC program and was immediately thrust into World War II. Jerry remained an officer and entered the Air Force, attaining the rank of Lt. Colonel before his untimely death, in 1954, in an auto accident.

*2021 awardee - Luke Knutson*

Biochemistry major from Mitchell, SD

## *Oscar and Elaine Olson Scholarship in Chemistry*

Dr. Oscar Olson received his BS and MS degrees at SDSU in dairy-chemistry and soils. Dr. Olson received his Ph.D. degree in 1948 from the University of Wisconsin. From 1951 to 1973, he was the Head of the Experiment Station Biochemistry Department at SDSU. In 1973 he devoted full-time to research. Dr. Olson retired in 1979, and was granted professor emeritus status in Chemistry. In 1981, he received the Distinguished Alumnus Award from SDSU. The Biochemistry Labs located in the Alumni Science Complex were named in honor of Dr. Olson in 1987. Elaine Olson graduated from the University of Wisconsin in 1941 with a major in Dietetics. She spent one year of Internship at Duke University. Elaine met Oscar at the University of Wisconsin. They were married in 1943. Elaine worked as a dietician at Brookings Hospital for several years. Oscar Olson passed away in 1999.

*2021 awardee - Jacqueline Laddusaw*

Chemistry and Biology double major from Kingsley, IA

## *Patrick Moriarty Memorial Scholarship in Biology*

Although he may have passed away at the young age of 63, he lived a life full of adventure. While battling leukemia as a teenager, Patrick promised God that if he was healed, he would take advantage of every single moment of every single day to do God's work, and he did just that. Patrick attended SDSU majoring in animal science on the pre-vet path. He obtained his Doctorate of Veterinary Medicine in 1980. With encouragement from his wife and family, Patrick started medical school at the age 35. He was a teacher at heart and demanded much of himself, always giving his very best in everything he did. His legacy will live on.

*2021 awardee - Abigail Swenson*

Human Biology major from Mitchell, SD

## *Perry W. Williams Physics Prize*

Perry Williams was born 1914 at White, South Dakota. He graduated from White High School and attended Dakota Wesleyan University in Mitchell, where he received his B.A. degree as a science majoring 1936. He then became a graduate student a laboratory instructor in physics at SDSU. In 1940, he received his M.S. degree from State. From 1941 to 1945 during World War II, he served the U.S. Army, which included a tour of duty in Europe. Following the end of the war, he returned to teaching at SDSU, joining the Physics Department. Professor Williams taught the General Physics course for engineering and science majors. He also designed many of the laboratory experiments still used in physics courses. Professor William retired in 1979. Perry Williams died November 3, 2000.

*2021 awardee - Adam Wood*

Physics major from Berthoud, CO

## *Raymond J. and Magnhild T. Greb Scholarship*

The Drs. Raymond and Magnhild Greb Scholarship was established by family and friends of the Grebs. Dr. Raymond was born in 1899 in Nowy Sacz, Poland. He attended Shippensburg College where he received a BS degree. He went on to receive a Masters degree and a Ph.D. in genetics from the University of Pittsburgh. Dr. Magnhild Greb was born in 1903 in Sisseton, SD. She received her BS degree from USD and then attended the University of Chicago where she received a Masters degree in genetics. For her Ph.D. she went to the University of Pittsburgh where she met Raymond. They moved to Huron, SD in 1936. Both taught at Huron College until 1946 when they moved to Brookings. Raymond taught in the zoology department at SDSU until his retirement in 1968. Magnhild taught in the chemistry department at SDSU until her retirement in 1969. She became a professor emeritus and continued to teach summer school until 1973.

### *2021 awardee - Michael Steinlicht*

Food Science major from Arcadia, WI

## *Reinhart Memorial Scholarship*

The Reinhart Memorial Scholarship is named for Raymond E. Reinhart, who was a member of the Physics Department from 1934 until his death in 1947. The scholarship was established by Gene Amdahl, one of his students who has enjoyed a successful career in industry. Gene Amdahl was raised in Flandreau, South Dakota. He graduated from SDSU in 1948 with a degree in engineering physics. Amdahl was the chief designer of the IBM 704 and IBM 360 mainframe computers. He started the Amdahl Corporation in Sunnyvale, California, and later formed the Trilogy, Ltd. computer firm. He later became CEO of Modular Power Corp., then CEO and president of Andor Systems, Inc. Helen Tschurr was born in 1910, at Goltry, Oklahoma. She graduated from high school in Enid, Oklahoma. Tschurr later moved to California where she completed a business education degree and pursued a business career in Bakersfield.

### *2021 awardee - Gavin Baker*

Physics major from Underwood, IA

### *2021 awardee - Elizabethann Cook*

Physics major from Woodlake, CA

## *Richard and Janice Vetter Endowed Scholarship*

Richard J. Vetter graduated from Castlewood High School before he received his B.S. and M.S. degrees in Biology from SDSU and his Ph.D. in Health Physics from Purdue

University. He is board certified by the American Board of Health Physics and the American Board of Medical Physics.

Richard served on the faculty of Purdue University from 1970 to 1980 and worked at Mayo Clinic from 1980 to 2010 as the Radiation Safety Officer for Mayo Clinic, Professor of Biophysics in the Mayo Medical School, and Director of Safety for Mayo Foundation. Richard is past Editor-in-Chief of the international journal Health Physics, past president of the Health Physics Society and past president of the American Academy of Health Physics. He is a past member of the Science Advisory Board of the U.S. Environmental Protection Agency and National Academies Nuclear and Radiation Studies Board, past vice-chair of the Advisory Committee for Medical Use of Isotopes of the U.S. Nuclear Regulatory Commission, and past member of the board of directors of the National Council on Radiation Protection and Measurements. He is married and has two children. His favorite hobby is fly-fishing.

### *2021 awardee - Hannah Cooper*

Microbiology major from North Sioux City, SD

## *Richard L. Deming, M.D. Scholarship*

Richard L. Deming MD ('76 Chemistry) is Medical Director of Mercy Cancer Center in Des Moines, Iowa. Dr. Deming earned his medical degree at Creighton University School of Medicine. While serving ten years as a physician for the United States Navy, Dr. Deming trained as a navy scuba diver and served as Under Sea Medical Officer for the Navy's Explosive Ordnance Disposal Group in Pearl Harbor, Hawaii. Dr. Deming completed his residency in radiation oncology at the University of California-San Francisco. He served on the staff at the National Cancer Institute and the National Naval Medical Center in Bethesda, Maryland. Dr. Deming is an avid adventurer. He enjoys running, cycling, swimming, triathlons, skiing, hiking and mountain climbing. In April 2011 he led a group of 14 cancer survivors on a trek to Mount Everest Base Camp and in January 2012 he took 19 cancer survivors to the summit of Mt. Kilimanjaro. Dr.

Deming is pleased to support students at SDSU and encourages them to "Go Above & Beyond" in life as well as their academic pursuits.

### *2021 awardee - Brandon Schuldt*

Chemistry and Biochemistry double major  
from Watertown, SD

## *Robert H. and Alverda M. Lynch Scholarship*

The Robert and Alverda Lynch Scholarship was established by Mrs. Robert (Alverda) Lynch in remembrance of Dr. Lynch. Robert Lynch, born in 1925, received his B.A. and M.S. degrees in Physics from the University of Iowa. Mr. Lynch served in the U.S. Army, and following his discharge taught at the University of Northern Illinois. He later received his Ph.D. from Oklahoma University and in 1966 moved to Brookings, where he served as assistant professor in the Physics Department. Dr. Lynch was a member of various professional organizations and was very interested in classical music. He died June 28, 1986. Mrs. Lynch passed away in 1992.

### *2021 awardee - Zachary Lehmann*

Physics and Biochemistry double major from Sioux Falls, SD

## *Robert Pengra Scholarship in Microbiology*

Robert M. Pengra (Bob) was born January 20, 1926, in Rapid City. After living his earliest years in Buffalo Gap, he moved with his family to Rapid City where he attended school. After graduating in 1944 he entered the Navy, serving as a signalman in the Pacific. Leaving the Navy in 1946, he attended South Dakota State University. Bob completed BS and MS degrees in Bacteriology and Chemistry at South Dakota State University in 1951 and 1954. During school Bob worked at Montieth Welding and Station Biochemistry. He moved to the University of Wisconsin, where his graduate studies of biological nitrogen fixation were conducted in the laboratory of Dr. Perry Wilson. After obtaining his Ph.D. in Bacteriology and Biochemistry in 1959, Bob returned to South Dakota State University as Assistant Professor of Bacteriology and was duly promoted to Associate Professor in 1962, and Professor in 1967. In 1966 - 67, he took a research sabbatical leave at Cornell University in Ithaca, NY where the family lived for a year. While at Cornell he continued his studies of biological nitrogen fixation in the laboratory of Dr. Martin Alexander.

# *Royce and Ruth Emerick Scholarship*

Bob taught Microbiology at SDSU from 1957 - 1991, retiring as the Head of the Bacteriology Department. Bob had a passion for teaching and mentoring his many students and graduate students. His enthusiasm for teaching was immediately apparent in the classroom and his love for microbiology was passed on to his students along with a great sense of confidence and ethics. He ran an active research program and advised many MS students who went on to successful careers throughout the country. Upon retirement he was granted Emeritus status. Bob enjoyed playing the violin and singing in barbershop quartets. He was a member of the Top Hats Band for several years. Bob carried his love of teaching into retirement by serving as a Golden Mentor volunteer to elementary school classes in Brookings and in Fruita, Colorado. Bob lived with his wife in Fruita, Colorado until his death on March 7, 2013.

*2021 awardee - Jackson Kunz*

Microbiology major from Eureka, SD

The Royce and Ruth Emerick Scholarship in Biochemistry and Chemistry at SDSU was established by Royce Emerick in recognition of his 39 years of biochemistry research at SDSU and to honor his late wife Ruth and their life together. Royce Emerick was raised in the "Dirty 30s and depression era" on a farm in Oklahoma and learned the benefit of hard work, saving as much as you can and investing wisely. Following his degree from Oklahoma State University, Royce pursued his advanced degrees in biochemistry at University of Wisconsin, Madison. At a dance, he met his future wife, Ruth Kaun, who had trained as a teacher. While Royce said he had never been big on dances, that dance was all he needed. Upon receiving his degree and a job offer from Dr. Oscar Olson, Royce committed his professional career to research at South Dakota State University. A firm believer in the value and importance of education, Royce is also a firm believer in the importance of hard work. Equally an academic and a farmer, Royce is pleased to honor the University and students of South Dakota State University with this scholarship.

*2021 awardee - Jenna Blogg*

Biochemistry major from Sioux Falls, SD

## *Sundet Scholarship in Biology and Microbiology*

John Sundet is the former president and chief executive officer of the Sled Dogs Co. and Rollerblade, Inc., both of Minneapolis. He also has worked for Ralston Purina, Land O'Lakes, Pillsbury and Tonka Toys. John earned his bachelor's degree in economics from SDSU in 1970. He went on to earn his MBA in finance from the University of Oklahoma in 1973. While at SDSU, John was active in forensics, debate and the U.S. Army Reserve Officer Training Corps. John grew up in Brookings and his SDSU connections began with his father, Stanley, who was head of the SDSU Education Department. John's wife, Becky (Knutson), attended SDSU from 1968 to 1970. This scholarship honors John's father, Stanley Sundet, who graduated from SDSU in 1935 with a degree in Agricultural Education. Stanley joined the SDSU staff in 1946 and directed the Agricultural Education program for 10 years and then assumed the position as the Head of the Department of Education where he served for 14 years. During his time, he was also the director of summer school and he was Director of Placement Services and Summer School from 1970 until his retirement in 1975. This area eventually evolved into the current Career & Academic Planning Center. Stanley and his wife, Myra, were also active members of the Brookings community where he served in leadership positions within many organizations. Stanley died in Brookings on Palm Sunday, 1996.

*2021 awardee - Jadya Perry*

Biology major from Brookings, SD

## *Trapp Family Scholarship in Physics*

The Trapp Family Scholarship was established by Lansford Trapp, Sr., his wife, Frances, and five of their children. Lansford Sr. enrolled with the engineering department at SDSU in 1937. He enlisted in the U.S. Army Air Corps as an aviation cadet in 1940 and returned to SDSU in 1946 to receive his bachelor's degree in engineering physics in 1948. He was an assistant professor of mathematics at SDSU from 1967 until his retirement in 1983. The five Trapp children, who helped establish the endowment, are all SDSU graduates.

*2021 awardee - Dean Anderson*

Physics major from Dell Rapids, SD

## *Virginia and John Edward Holtry Scholarship*

Virginia Russell Holtry is a Brookings, SD native. Her father, Lloyd Russell, practiced veterinary medicine in the local area for many years assisted by his wife, Carrie. Mrs. Holtry attended SDSU for two years, and graduated from the University of Michigan with a degree in architecture. She married John Edward Holtry, a 1950 graduate in agriculture from SDSU. The Holtrys lived in Mitchell for a number of years, where Virginia was employed by an architectural firm and her husband worked in technical consulting and sales for the Dakota Seed Co. In 1970, the Holtrys moved to the Black Hills and established a recreational vehicle and motor home dealership, which they ran successfully until Mr. Holtry's death in 1984. Virginia has traveled to most parts of the world in her leisure time. These experiences contributed to her interest in geography and the influences of man and nature on the land and climate around the globe.

### *2021 awardee - Madison De Jarlais*

Geography major from Shakopee, MN

### *2021 awardee - Cole Hansen*

Community & Regional Planning major from Harrisburg, SD

### *2021 awardee - Mason Weidenbach*

Community & Regional Planning major from Sioux Falls, SD

### *2021 awardee - Marie McLaughlin*

Geography major from Sioux Falls, SD

### *2021 awardee - Evan Traxler*

Geographic Information Sciences and Geography double major from Le Center, MN

### *2021 awardee - Elijah Myers*

Geographic Information Sciences and Geography double major from Anton, CO

### *2021 awardee - Riley Jacobsen*

Geographic Information Sciences and Geography double major from Brookings, SD

### *2021 awardee - Reid Dettbarn*

Geographic Information Sciences and Geography double major from Underwood, IA

### *2021 awardee - Adam Martin*

Community & Regional Planning major from Brookings, SD

# *Waldemar Sippel Memorial Scholarship in Physics*

Waldemar Gamaliel Sippel was born February 14, 1925 in Ruff, Washington to parents Reverend John Christoph and Linda A.O. (Sumnicht) Sippel. He died June 19, 2010 at his home in Beresford,

South Dakota at the age of 85 years. He graduated from high school at the age of 16 in Revillo, South Dakota. He immediately began studies at the University of South Dakota but these were interrupted so he could serve in the US Army as a medic during WWII. He was stationed at a hospital in India. After his military service, Wally returned to South Dakota to resume his studies. He received a Bachelors and Masters Degree from the University of South Dakota. Wally taught at the University of South Dakota after his marriage to Marjorie Anne Nelson on August 19, 1949. Wally then became an assistant professor, teaching both physics and astronomy at South Dakota State University. Brookings was home for Wally and Marge until their retirement. In 1992, they moved to Beresford. Wally was an active member of the Beresford Lions Club, Beresford Senior Citizens and Beresford Emmanuel Lutheran Church.

## *2021 awardee - Andrew Borchert*

Computer Science and Physics double major  
from Sioux Fall, SD

## *2021 awardee - Gavin Baker*

Physics major from Underwood, IA

# *Webster Klug Scholarship in Chemistry*

The Webster-Klug Scholarship was established by former students, friends, and associates of Dr. Victor Webster and Dr. Harlan Klug, chemistry faculty members at SDSU upon their retirements in 1974. Dr. Webster graduated from Iowa State University and joined the Chemistry Department at SDSU in 1936. He served as Department Head from 1944 until 1974. Dr. Klug is a graduate of SDSU, USD, and the University of Wisconsin. He was a member of the Chemistry faculty at SDSU from 1947 until 1974. Dr. Klug passed away in 1999. Dr. Webster passed away in 2001.

## *2021 awardee - Jacqueline Laddusaw*

Chemistry and Biology double major from Kingsley, IA

## *William and Jean Macksam Scholarship in Geography*

William G. Macksam was born in Clark County, WI. Following high school graduation, at the height of the great depression, he did farm and canning factory work and grocery store clerking. Jean Costie Macksam was born in northern Ontario, Canada. Jean and her parents James and Francis Costie, and her brother, Bob came to the U.S. when she was a teenager. She completed high school in Seattle, Washington. Bill was called into the services shortly after Pearl Harbor. He met Jean Costie, a civilian employee in an army hospital, in 1942 and they were married in September 1943. At the end of the war and after serving four years in the Army, Jean insisted Bill attend college. With income from the GI Bill and Jean's earnings and urging, Bill succeeded in meeting the requirements for baccalaureate and graduate degrees at Colorado A & M and Kansas State University. In December 1953, Bill interviewed for a position in the Department of Horticulture at SDSU. He reported for duty in early 1954 and spent 12 years as Professor of Horticulture. In addition, he worked closely with the faculty in the early planning and development of McCrory Gardens. Jean worked full and part-time as a secretary, she also took courses and earned bachelors and master's degrees. The Macksams' moved to Fort Collins, CO in 1965 for a similar position at Colorado State University where he taught until his retirement in 1979. Jean passed away December 21, 2004. Bill passed away May 27, 2009.

*2021 awardee - Kadin Norris*

Geographic Information Science major from Graettinger, IA

## *You Made a Good Decision Scholarship in Biology*

The You Made a Good Decision Scholarship was named in a tongue-in-cheek manner to show support to students who take the big step of changing their major to biology. Biology, as with all the sciences, helps us make sense of our world – substituting conjecture and intuition for truth. Working biologists are free to explore a slew of topics and interests ranging from the molecular world to the unique structures and functions of individual living things, or even analyze the macroscale interactions of organisms and their environment. This broad range of possibilities not only provides myriad paths of inquiry, but opens the door to a large number of career choices. This scholarship was made to support students who want to learn about their world through the clear lens of biology.

*2021 awardee - Jonathan Ricke*

Human Biology major from Madison, SD