

# Cosmopolitan Rays, April 17, 2023



The Club that Fights Diabetes

## The Cosmo Rays

Shining Light on the Cosmopolitan Club's Activities

Published After Each Meeting by the Noon Cosmopolitan Club

Meetings Held at Noon on Mondays at Thirsty's at 819 West Main, Rapid City, South Dakota



The Club that Fights Diabetes

**Cosmopolitan  
Noon  
Luncheon**

**April 17, 2023**

- **RC Cosmo Club News and Notes  
Cosmopolitan Noon Luncheon  
Monday – April 17, 2023**
- **The Rapid City Cosmopolitan  
Club met Monday–April 17,  
2023 At Thirsty's.**

President Chuck  
Reuwsatt called  
the Meeting to  
Order at 12:00  
PM.





# Chuck Reuwsatt Led the Members in Pledge of Allegiance













Nancy Trautman  
Led the  
Members in  
Prayer.













Jim Preston presented  
Richard Edelen with  
his New Member  
Pamphlet





Jim Schuh talked to the Members about the the upcoming Kane Brown Concert and Rapid City Marshalls Football game, and the upcoming football games on May 13<sup>th</sup> and 20<sup>th</sup>.



President Elect  
Becky Kerr talked  
to the Members  
about the  
upcoming Chicago  
and Allen Lewis  
shows in the Fine  
Arts Theater.





Rodney Gunn  
talked to the  
Members about  
the last games for  
the Season



Lorie Whiting was a  
Guest for the day.





# Speakers for the day-Michelle Kane Director SURF Foundation.



The South Dakota Science and Technology Authority (SDSTA) recently named Michelle Kane the new director of the Sanford Underground Research Facility (SURF) Foundation.

- **As the new Director of the Sanford Underground Research Facility (SURF) Foundation, I am thrilled to be part of advancing world-class science and inspiring learning across generations. With over 25 years of diverse experience across telecommunications, semiconductor manufacturing, insurance, healthcare, and non-profit organizations, my career paths have led me to SURF, located in the former Homestake gold mine in Lead, South Dakota.**



Underground Research Facility

South Dakota Science and Technology Authority

# **Michelle Kane**

SURF Foundation Director

Office: 605.584.3110

Cell: 605.639.0427

[mkane@sanfordlab.org](mailto:mkane@sanfordlab.org)

160 W. Main Street • Lead, SD 57754 • [www.sanfordlab.org](http://www.sanfordlab.org)



# Julie Olson Owner of Turner Lee Consulting, Chairwoman of SURF Foundation.



- **When Julie is the founder and President of Turner Lee Consulting & Design. TLC Design is a full-service design agency, with over 20 years experience with a unique agency style that focuses on improving the clients design experience, process, timeline and budgetary goals. TLC Design has a dedicated and skilled team, highly efficient in developing a customized strategy that ensures client integration, innovation, collaboration, and distribution of thousands of projects world-wide**





# The Facility

The Sanford Underground Research Facility hosts world-leading research experiments in physics, biology, geology and engineering.



## The Ross Shaft

Reaching the 4850 Level is a major milestone that moves the team—and science—one step closer to a larger goal





## The Yates Shaft—primary access

The Yates Shaft is the 5,000-foot life line that provides everything science needs to operate, including supplies, equipment and access to science experiments and underground infrastructure.



## Waste Water Treatment Plant

Follow the journey of a water drop as it enters the underground then is pumped back to the surface for treatment.





## Sanford Lab Homestake Visitor Center

For tours, exhibits and visitor information about Sanford Lab, Homestake and Lead.

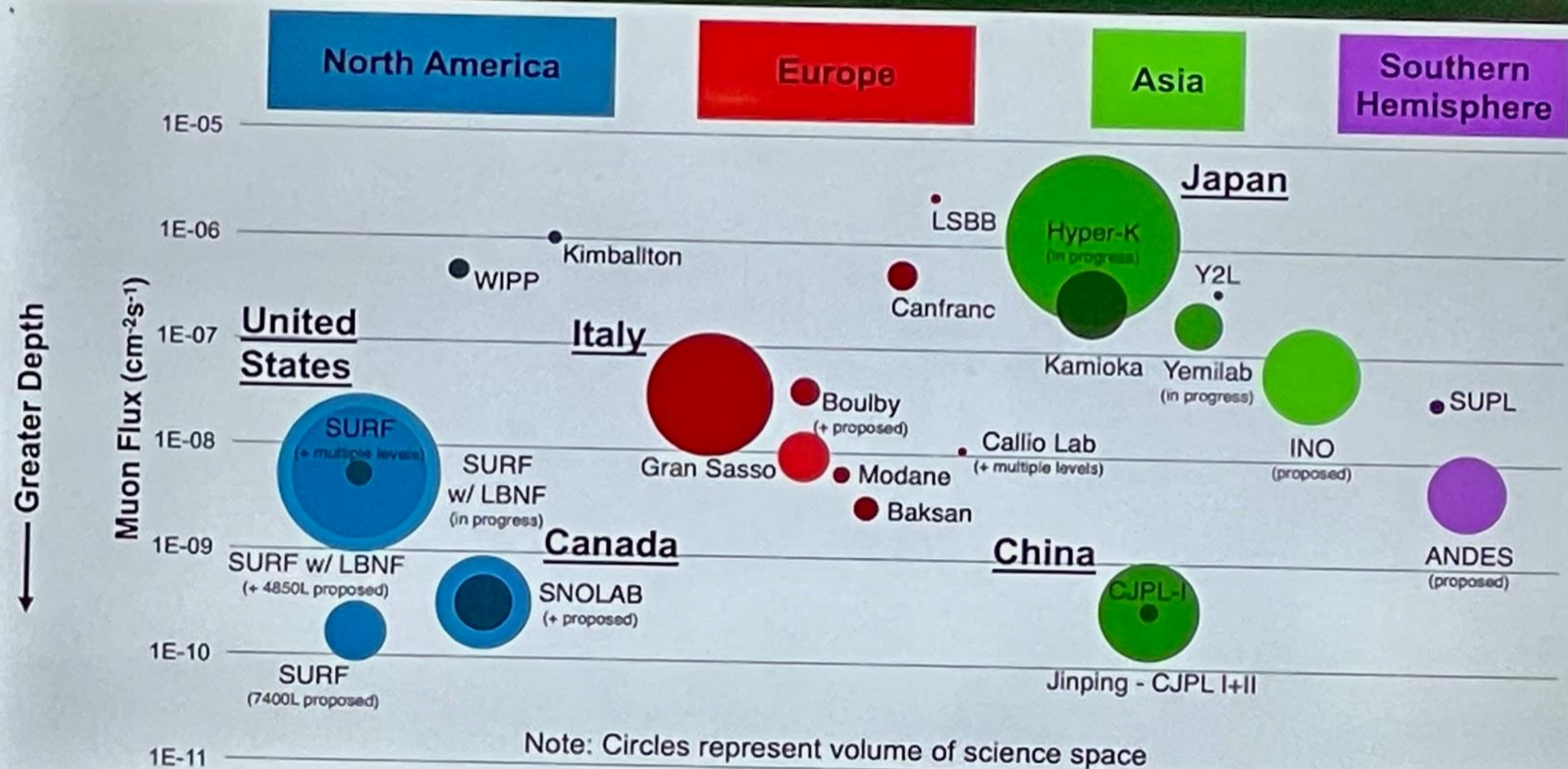


## Sanford Science Education Center

Education and outreach have been central to SURF's vision from the outset. Sanford Science Education Center helps share the exciting science taking place nearly a mile underground.



# Competing Underground Facilities





# SDSTA Direct Spending within South Dakota

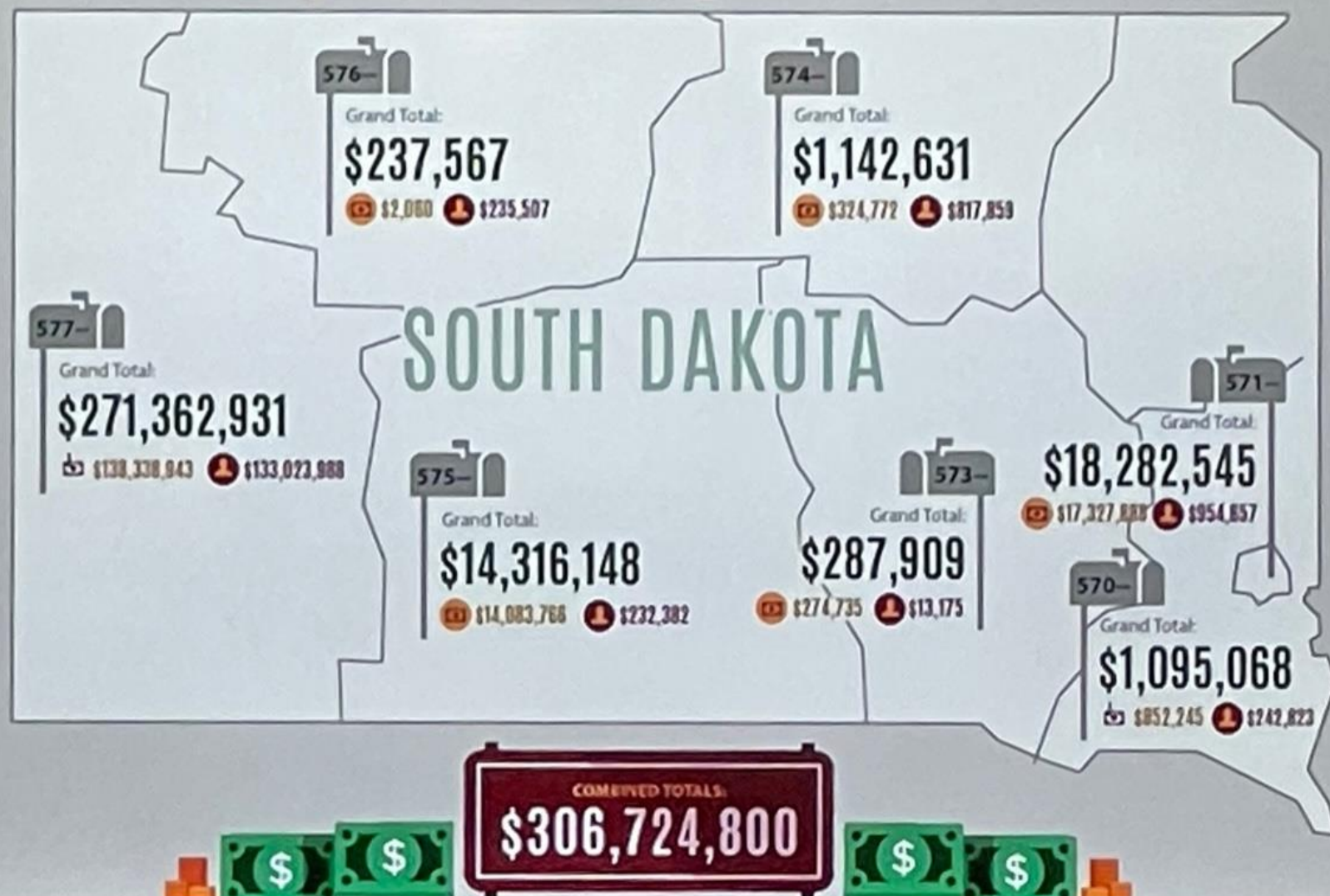
Federal FY2007 through FY2022



TOTAL VENDORS PAID



TOTAL SALARIES PAID





## **SURF: 15x ROI on South Dakota's Investment**

**\$62M in South Dakota investments have resulted in \$932M in federal (\$862M) and private (\$70M) investments (15x ROI for South Dakota).**

**U.S. Dept of Energy has made a 30+ year commitment to SURF ops.**

**Economic impact (2020-2029) is \$2B and 1,200 jobs in SD.**



# Education, Internships & Educator Training

## Presentations & Field Trips

- K12 presentations
- Face to face
- Virtual options
- Field trips in spring and fall

## Curriculum Units and Resources

- 5-15 hours of fully designed and resourced science curriculum
- 17 unique curriculum units available for checkout

## Internships & Scholars Programs

- Davis-Bahcall Scholars Program
- Summer internship opportunities
- Pre-service educator program support

## Supporting Teachers

- Professional development offerings
- Curriculum resources
- Science content support
- Just-in-time support





# Neutrino Day



**neutrino day**  
**[neutrinoday.com](http://neutrinoday.com)**

**Saturday, July 8**  
Onsite Tours  
Science Talks  
Hands-On Activities  
...and more!



# Deep Talks and Science Conferences



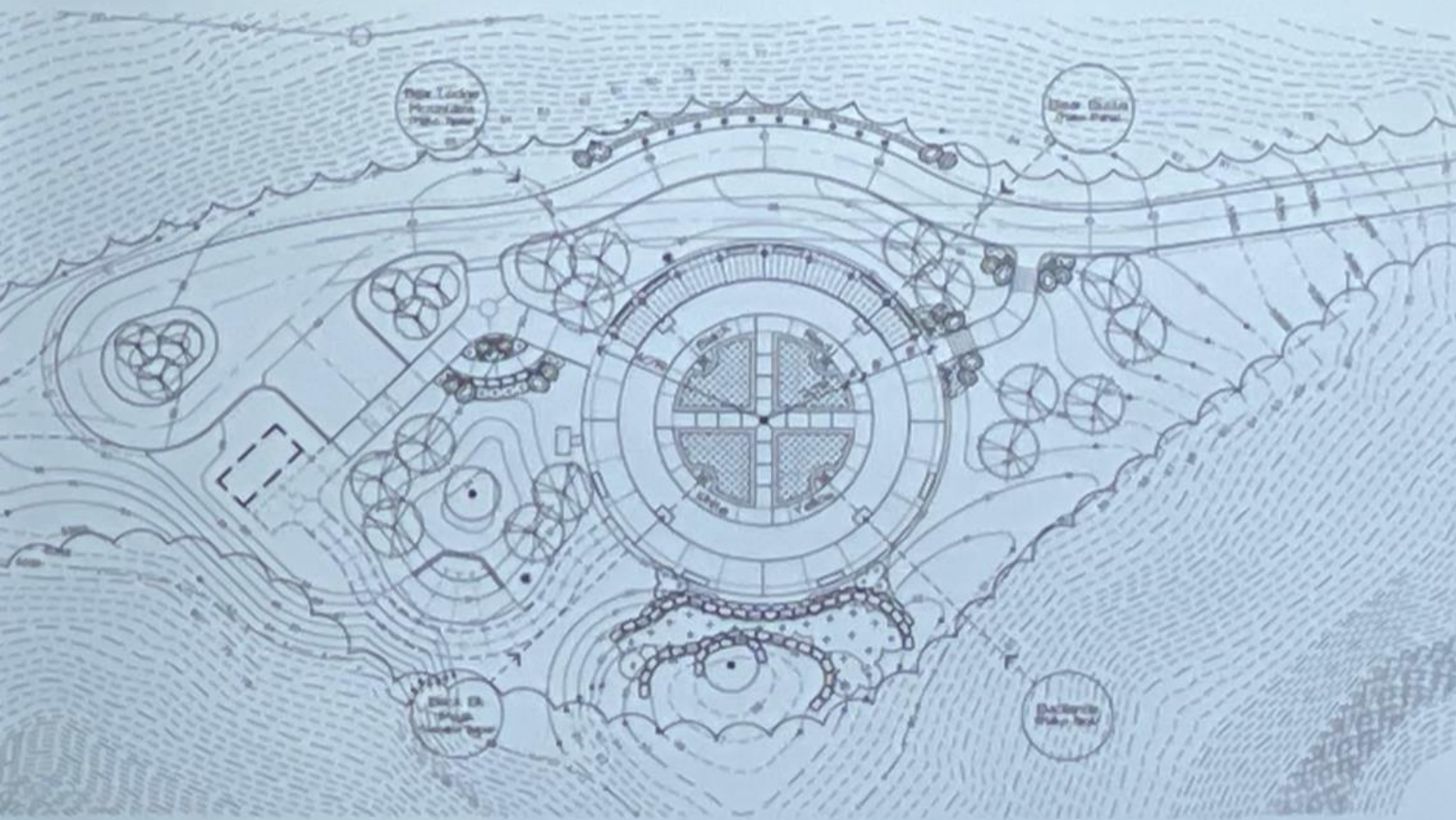
**Deep Talks**  
Social Hour  
Science Talks  
Q&A

**Ask a Scientist**  
Bring your  
questions!

Check our website  
for dates and details



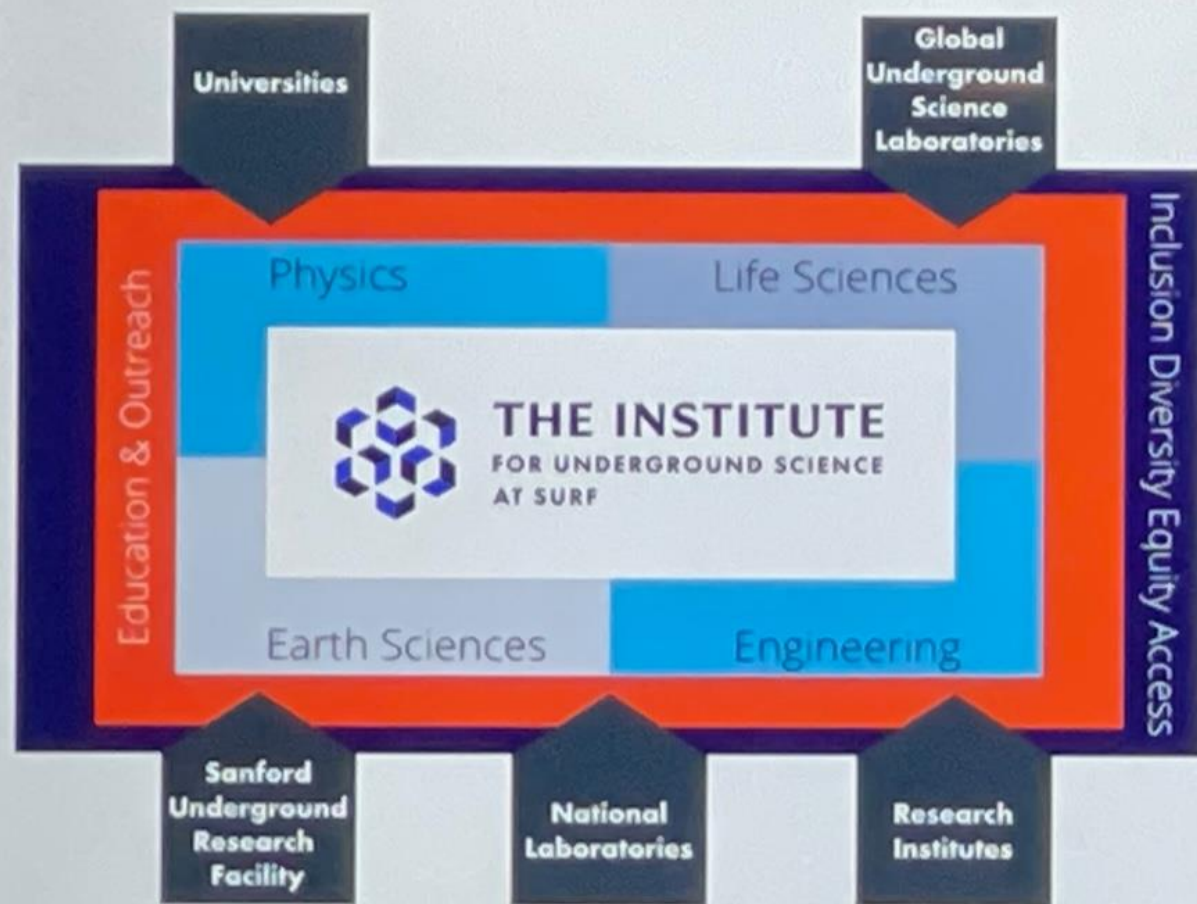
# URF Ethnobotanical Garden



Summer 2023  
Sacred Circle  
Garden



# The Institute for Underground Science at SURF



OUR MISSION

**UNITE THE GLOBAL  
UNDERGROUND SCIENCE  
COMMUNITY TO  
INSPIRE DISCOVERY.**



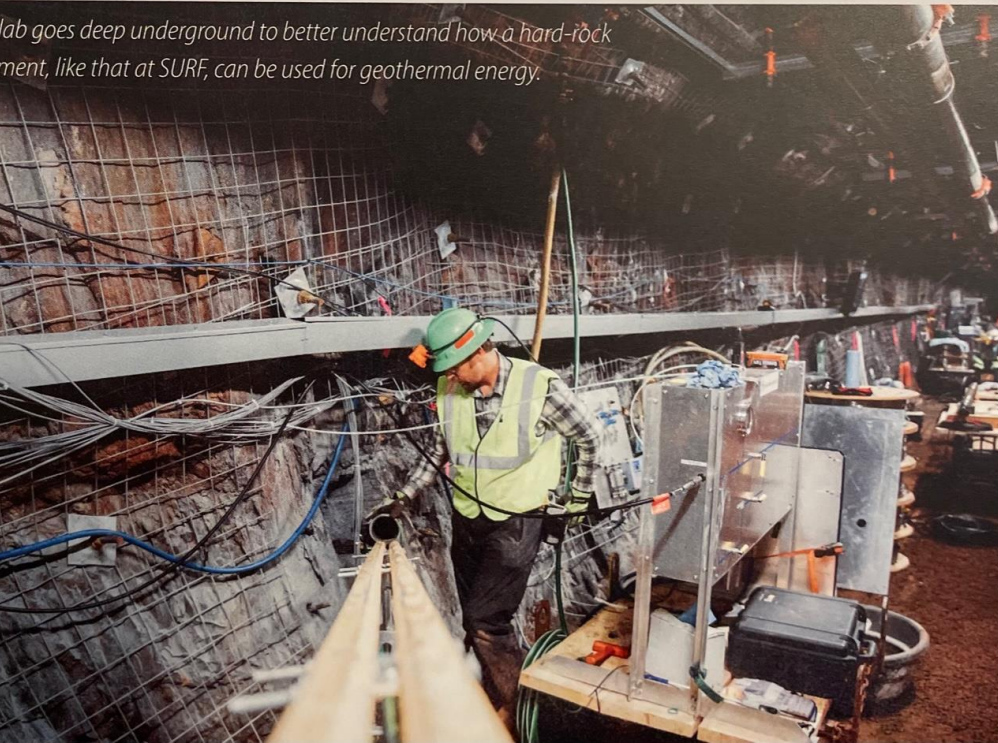
## NUCLEAR ASTROPHYSICS

Processes inside stars create the elements that make up everything in the universe, including human beings. Scientists with the Compact Accelerator System for Performing Astrophysical Research (CASPAR) used a low-energy particle accelerator to recreate processes in stars to learn more about how those elements were formed, then came together to form the Earth.

## MORE THAN PHYSICS

SURF hosts experiments in other disciplines as well: geothermal energy, biology, geology and engineering. SURF also hosts a Low-Background Counting Facility to ensure test materials used to build sensitive physics will not create background noise.

*Lab goes deep underground to better understand how a hard-rock environment, like that at SURF, can be used for geothermal energy.*



## EDUCATION AND OUTREACH

SURF's Education and Outreach program draws on the science and engineering at SURF to create an array of programs and experiences for K-12 students and educators, undergraduates and the general public.

*Learn more: [www.sanfordlab.org/educators](http://www.sanfordlab.org/educators)*

## SURF FOUNDATION

The SURF Foundation raises funds to support unique K-12 programming, public outreach and projects that enhance cultural awareness.

*Learn more: [www.sanfordlab.org/surf-foundation](http://www.sanfordlab.org/surf-foundation)*



# SANFORD LAB HOMESTAKE VISITOR CENTER

The Visitor Center sits at the edge of the Open Cut, a former mining area, and serves as a gateway to Lead, South Dakota. It features exhibits, offers trolley tours, hosts buses, offers space for a variety of events and activities, and houses a museum shop.

Learn more: [www.sanfordlab.org/slhvc](http://www.sanfordlab.org/slhvc)



## OUR CALLING

To create a space to protect, respect and understand the area's vibrant history, environment and the connections we all share.

The SURF Foundation is taking steps to recognize the diversity of the many peoples who call this place home. We are creating an ethnobotanical garden, *Cangleska Wakan*, as a way to better understand the Indigenous cultures of the Black Hills, or *Paha Sapa*.



*The heart of the Sacred Circle Garden will feature a Lakota medicine wheel, which represents spiritual knowledge and a connection to everything in the universe. It is a symbol of unity, good health, well-being, honor and recognition.*



## OUR PURPOSE

To provide a unique opportunity for learning in a tranquil outdoor space that honors the extraordinary history and rich culture of the Black Hills, while recognizing the potential for scientific learning above and below our feet. This project will help inspire generations to come, connect our communities and help discover deep cultural roots and universal awareness.



The site of the future Sacred Circle Garden offers views of the surrounding area in all directions. The Garden will be used to tell Indigenous stories and learn about native plant species. It will also host native ceremonies, K-12 activities and public outreach events.



*Located on a hilltop meadow at SURF, the future Sacred Circle Garden is at the heart of the Paha Sapa. It will feature four significant areas, all sacred sites for the Lakota and other regional tribes.*

**Mato Paha** Bear Butte  
**Mako Sica** Badlands

**Mato Tipila** Bear's Lodge/Devil's Tower  
**Hehaka Sapa** Black Elk Peak

## OUR GOAL

The Sacred Circle Garden will offer a space for learning across generations, connecting our communities, quiet reflection and cultivating cultural awareness.

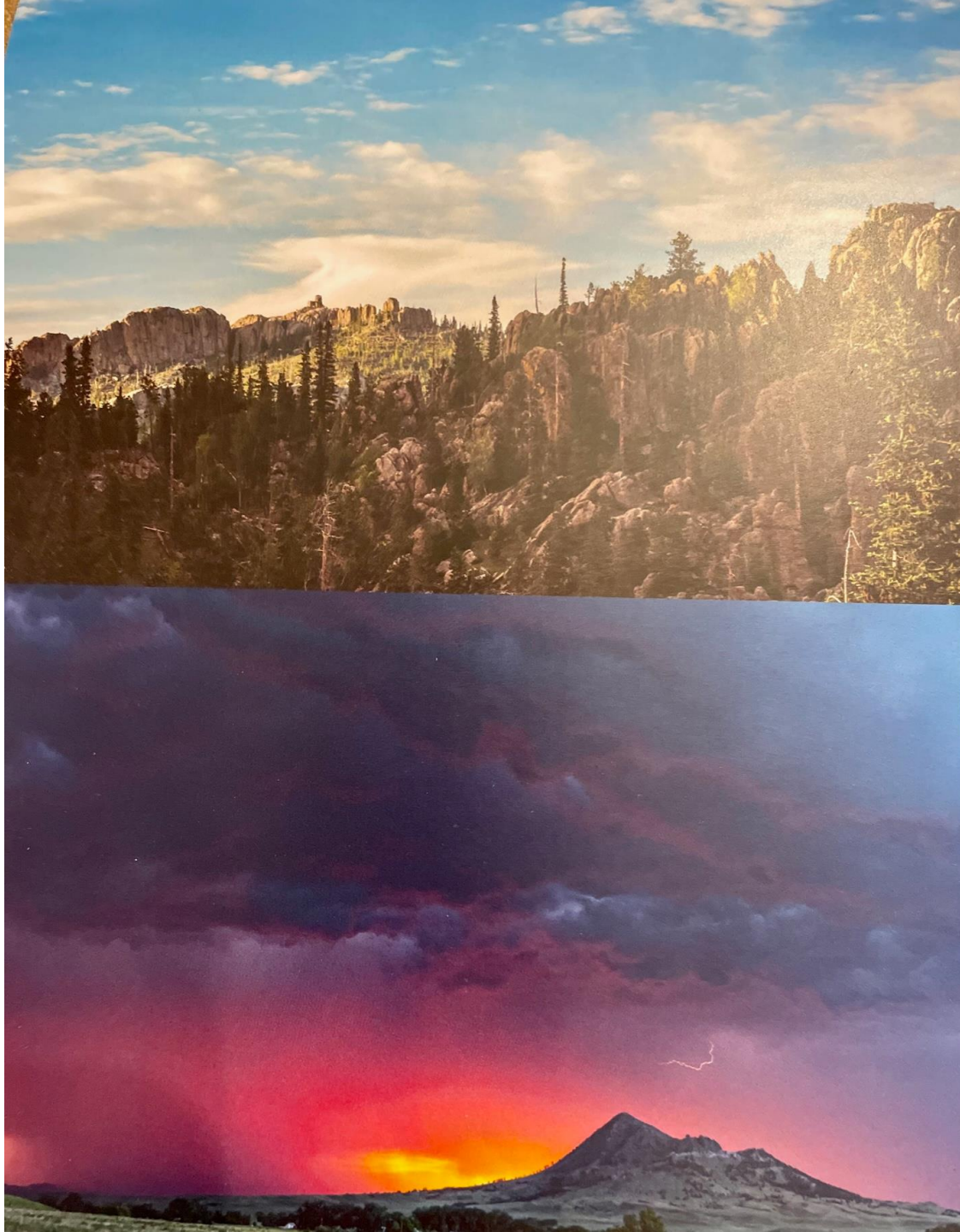


*Plans for the garden are nearly complete and a dedication ceremony is planned for fall 2023. With your support, we can make the Sacred Circle Garden a reality.*

Because of you, more than half of the \$800,000 needed to build the Garden has been raised. Please help us reach our goal by donating to this important project. To thank our generous donors, we've created limited-edition metal prints that represent the four sacred sites featured in the Garden. Just 100 of each print are available. Individuals who donate \$1,500 may choose one of the four prints. Those who donate \$5,000 or more will receive all four prints.







LIMITED EDITION

## ALUMINUM PRINTS

Part science experiment, part printing, the process uses heat to infuse special dyes onto a pre-coated aluminum sheet. The images are bonded to brushed aluminum using a metal dye sublimation process, which leaves each piece extra durable, easy to clean and incredibly vibrant. It starts by printing an image onto a sheet of transfer paper, using top-of-the-line inkjet printers. The transfer paper and metal are then heated to 400 degrees, turning the dyes into a gas, permanently infusing the image to the aluminum.

When all is said and done, the prints are protected beneath the exterior coating. The finished piece is scratch resistant and maintains its color in any light conditions.

## PROTECT. RESPECT. UNDERSTAND.

Prints are numbered and laser etched with the words "Protect, Respect, Understand" on the back. Each print includes a certificate of authenticity that records the title of the work, the artist's name, the edition size and the print's number within the edition.

Display your 36" x 24" prints on any wall using the included stainless steel mounting posts. This unique hanging hardware off-sets the image from the wall and is sure to be eye catching.

HOW TO HELP

## DONATE

[www.sanfordlab.org/garden](http://www.sanfordlab.org/garden)



# Thank you!



## Michelle Kane

SURF Foundation Director at America's Deepest  
Underground Research Facility

[mkane@sanfordlab.org](mailto:mkane@sanfordlab.org)

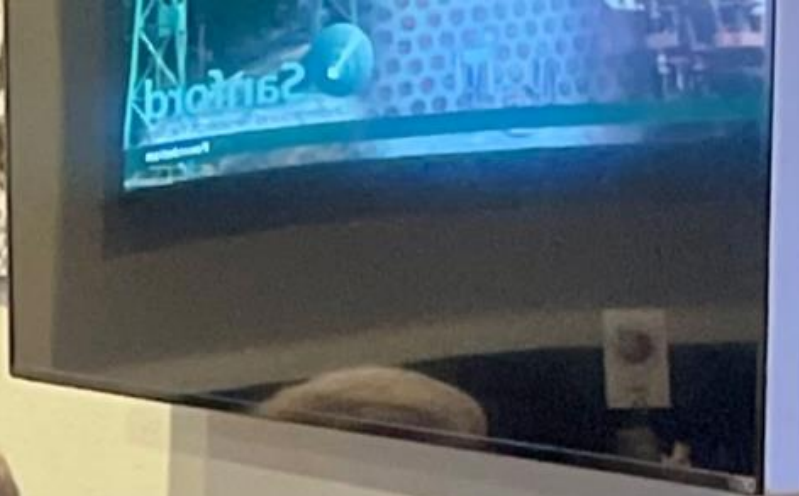
[www.sanfordlab.org/foundation](http://www.sanfordlab.org/foundation)

<https://www.linkedin.com/in/michellebkane/>

























MILK &  
FUND FOLLIES

Competition  
International

JIM  
PRESTON

SURF  
CLUB  
IE









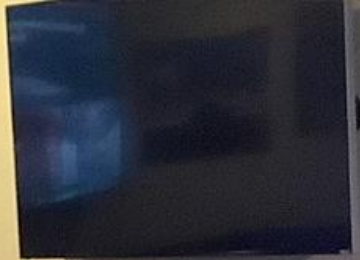
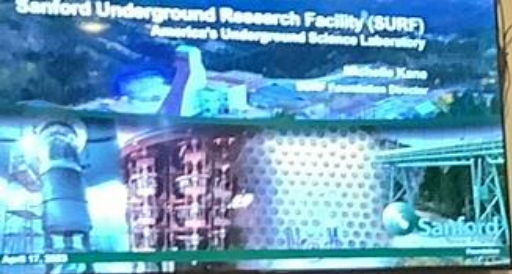


















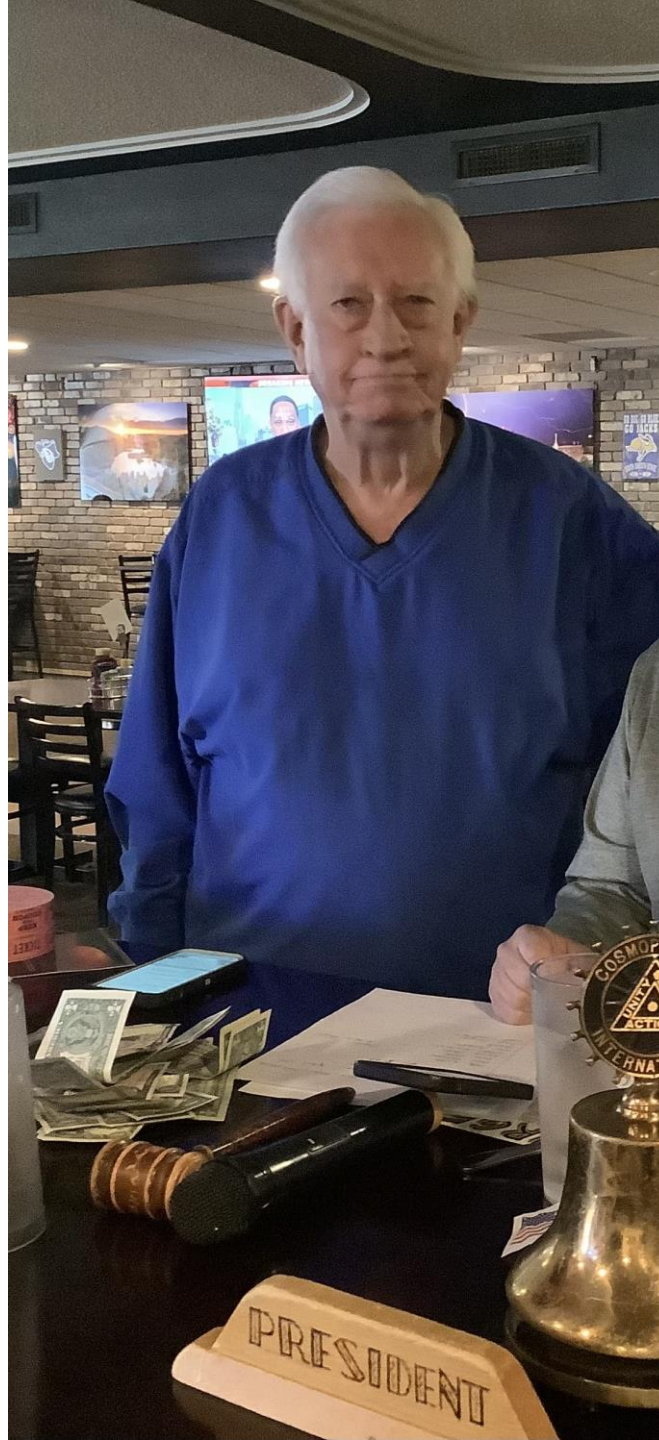
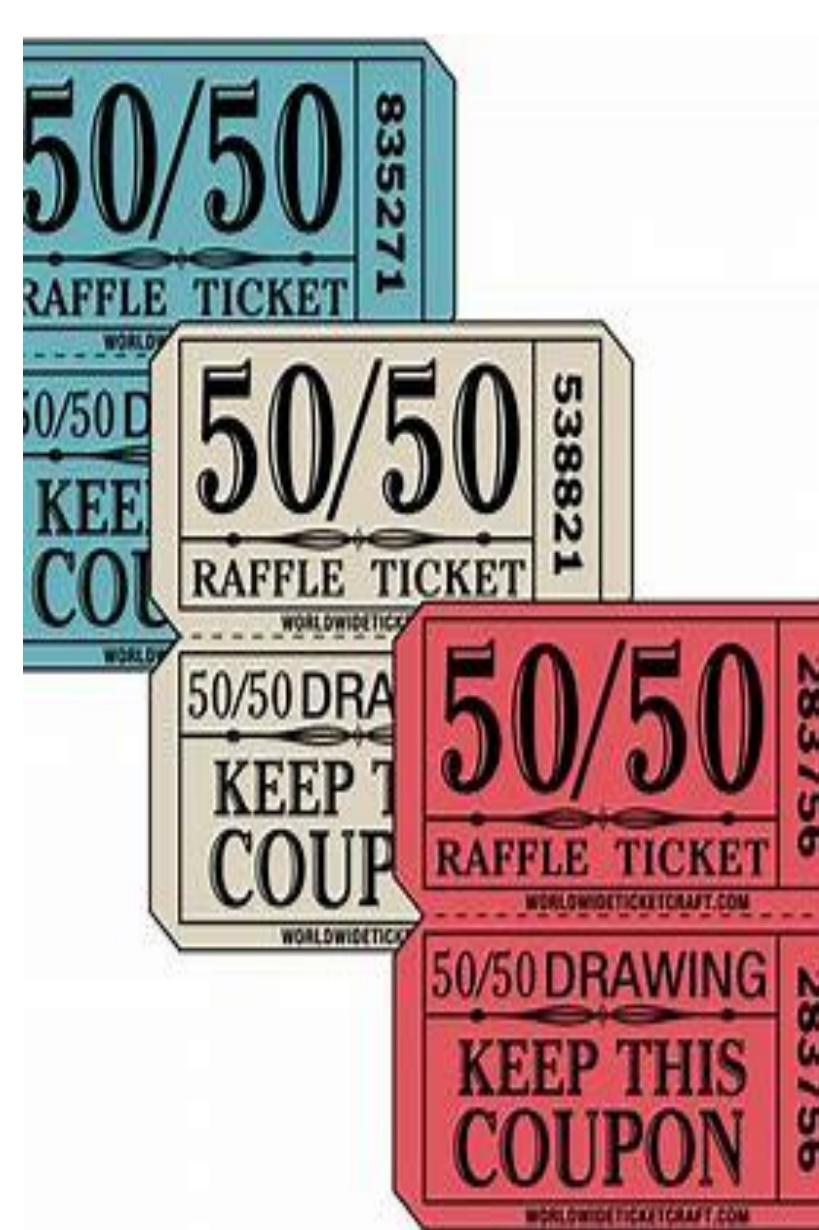




Dan Miller was the Lucky Mr. X for the day. He won \$5.00 Dollar's and gave it back to the Club.







***Rodney Gunn  
was the lucky  
50-50 Winner.  
He won \$10.00  
Dollars and  
gave \$10.00  
back to the  
Club back to  
the Club.***





***Rick Edelen was the Lucky 2 of Diamonds Winner. He drew the Duce of Diamonds. There were 27 Cards left and it was worth \$206.50 Dollars.***

***“Congratulations”***



# *Upcoming Cosmopolitan Meetings*

**April 24, 2023 - Prairey Walkling: SDSU Extension: Pennington County Master Gardeners Coordinator**

**May 1, 2023: Zachery Martin - Kids Deserve Dads**



# Member Birthdays

## Name

***Scholl, Bill***  
***Rodriguez, Susan***  
***Miller, Dan***  
***Newell, Michael***  
***Edelen, Rachel***  
***Dzintars, Viktor***

## Date

***April 5***  
***April 7***  
***April 9***  
***April 22***  
***April 23***  
***April 28***





# **Date Joined RC Cosmopolitan Club**

## **Anniversaries for April**

<b><u>Name</u></b>	<b><u>Years</u></b>	<b><u>Date</u></b>
<b><i>Kahler, Dick</i></b>	<b><i>65 years</i></b>	<b><i>Apr 01 1958</i></b>
<b><i>Goodsell, G.</i></b>	<b><i>47 years</i></b>	<b><i>Apr 05 1976</i></b>
<b><i>Brown, Jerrold</i></b>	<b><i>44 years</i></b>	<b><i>Apr 16 1979</i></b>
<b><i>Murchison, Robbie</i></b>	<b><i>33 years</i></b>	<b><i>Apr 20 1990</i></b>
<b><i>Locke, Clay</i></b>	<b><i>33 years</i></b>	<b><i>Apr 24 1990</i></b>
<b><i>Rodriguez, Susan</i></b>	<b><i>29 years</i></b>	<b><i>Apr 07 1994</i></b>
<b><i>Keck, Bill</i></b>	<b><i>27 years</i></b>	<b><i>Apr 11 1996</i></b>





# **Date Joined RC Cosmopolitan Club**

## **Anniversaries for April**

<b><u>Name</u></b>	<b><u>Years</u></b>	<b><u>Date</u></b>
<b><i>Dzintars, Lesley</i></b>	<b><i>20 years</i></b>	<b><i>Apr 28 2003</i></b>
<b><i>Schuh, Jim</i></b>	<b><i>18 years</i></b>	<b><i>Apr 06 2005</i></b>
<b><i>Sumption, Brian</i></b>	<b><i>15 years</i></b>	<b><i>Apr 22 2008</i></b>
<b><i>Kahler, Bev</i></b>	<b><i>13 years</i></b>	<b><i>Apr 05 2010</i></b>
<b><i>Gunn, Rodney</i></b>	<b><i>13 years</i></b>	<b><i>Apr 05 2010</i></b>
<b><i>Ferley, Elizabeth-Anne</i></b>	<b><i>13 years</i></b>	<b><i>Apr 05 2010</i></b>
<b><i>Evans, Michelle</i></b>	<b><i>12 years</i></b>	<b><i>Apr 18 2011</i></b>





# **Date Joined RC Cosmopolitan Club**

## **Anniversaries for May**

<b><u>Name</u></b>	<b><u>Years</u></b>	<b><u>Date</u></b>
<b>Miller, Dan</b>	<b>12 years</b>	<b>Apr 20 2011</b>
<b>Culver, Nola</b>	<b>11 years</b>	<b>Apr 06 2012</b>
<b>Spreizer, Christina</b>	<b>5 years</b>	<b>Apr 23 2018</b>
<b>Diers, Cleon</b>	<b>2 years</b>	<b>Apr 01 2021</b>
<b>Kerr, Becky</b>	<b>2 years</b>	<b>Apr 01 2021</b>
<b>Silcox, Marian</b>	<b>1 year</b>	<b>Apr 01 2022</b>
<b>Blackwell, Jim</b>	<b>1 year</b>	<b>Apr 01 2022</b>





# Cosmo Ushering Event Coordinators

- Please e-mail or call the team in charge to sign up for the event or if you need to cancel
- Becky Kerr – Theater [barefootbecky3209@gmail.com](mailto:barefootbecky3209@gmail.com)  
(C) (605) 391-8738
- Rod Gunn – Ice Arena [rgunn@rap.midco.net](mailto:rgunn@rap.midco.net) (C) (605)-381-3235..
- Gloria Gunn - Summer Nights [grgunn@rap.midco.net](mailto:grgunn@rap.midco.net) (C) (605) 381-7075
- Jim and Arletta Schuh – Summit and Barnett Arena [gymshoe122964@gmail.com](mailto:gymshoe122964@gmail.com)  
(H) (605)-343-7998 (C) (505)-391-8664
- Rod Gunn – Club's Website <https://portal.clubrunner.co/101337>
- Rhonda Reuwsaat-Facebook Coordinator **RC Cosmopolitan Club**  
\_© (605)-209--615



# Rapid City Cosmopolitan Club President



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## Rapid City Cosmopolitan Club President

- **Chuck Reuwsaat**
- **PO Box 994**
- **Rapid City, South Dakota  
57709**



# *North Central Federation Governor*



- North Central Federation Governor
- *Melvina Neuman*
- *P. O. Box 394 Sioux Falls, SD 57010*
- *melvinanew@aol.com*



# ***International President Randy Wright***



***It is vital that you as members of Cosmopolitan International know that your voices are being heard.***

***All of the International officers and your Federation Governors understand and appreciate your frustration with a number of things including the lack of communication from International, sub-par training for those in leadership positions, difficulties navigating the new website platform, low attendance at Federation and International conventions, lack of brand awareness, lack of structure, and numerous inconsistencies in many areas.***

***We get it.***



## ***International Officers***

***International President – Randy Wright, Norfolk Club***

***President-Elect – Dick Gorton, Omaha Cornhusker Club***

***VP of Finance – Keith Shepherd, Regina Club***

***VP of Membership – Tim Dollens, Columbia Luncheon & Breakfast Clubs***

***VP of Marketing and Fundraising – Sheila Anderson, Sioux Falls Evening Club***

***Judge Advocate – Jim McVay, Omaha Cornhusker Club***

***Capital Federation Governor – Perry Johnson, Norfolk Club***

***Cornbelt Federation Governor – Gery Whalen, Omaha I-80 Club***

***Mid-States Federation Governor – LaVonne Hawking, Aurora Club***

***Mo-Kan Federation Governor – Dayton Shepherd, Columbia Show-Me & St. Charles County Clubs***

***North Central Federation Governor – Melvina Newman, Sioux Falls Noon Club***

***Western Canada Federation Governor – John Krysak, Wascana Club***



# 2022-2023 President's Award

- ***President Randy has announced the criteria for this year's President's Award! A bannerette will be awarded at the International Convention in Norfolk, VA, to each Club that meets all the following criteria in the 2022-2023 fiscal year:***



## 2022-2023 **PRESIDENT'S AWARD**

A bannerette will be awarded at the International Convention to each Club that meets all of the following criteria in the 2022-2023 fiscal year:

1. Hold at least 1 fundraising event.
2. Submit at least 1 article to COSMOTopics.
3. Submit at least 1 award winner from their Club to the Federation level.
4. Increase their club membership by at least 10%.





