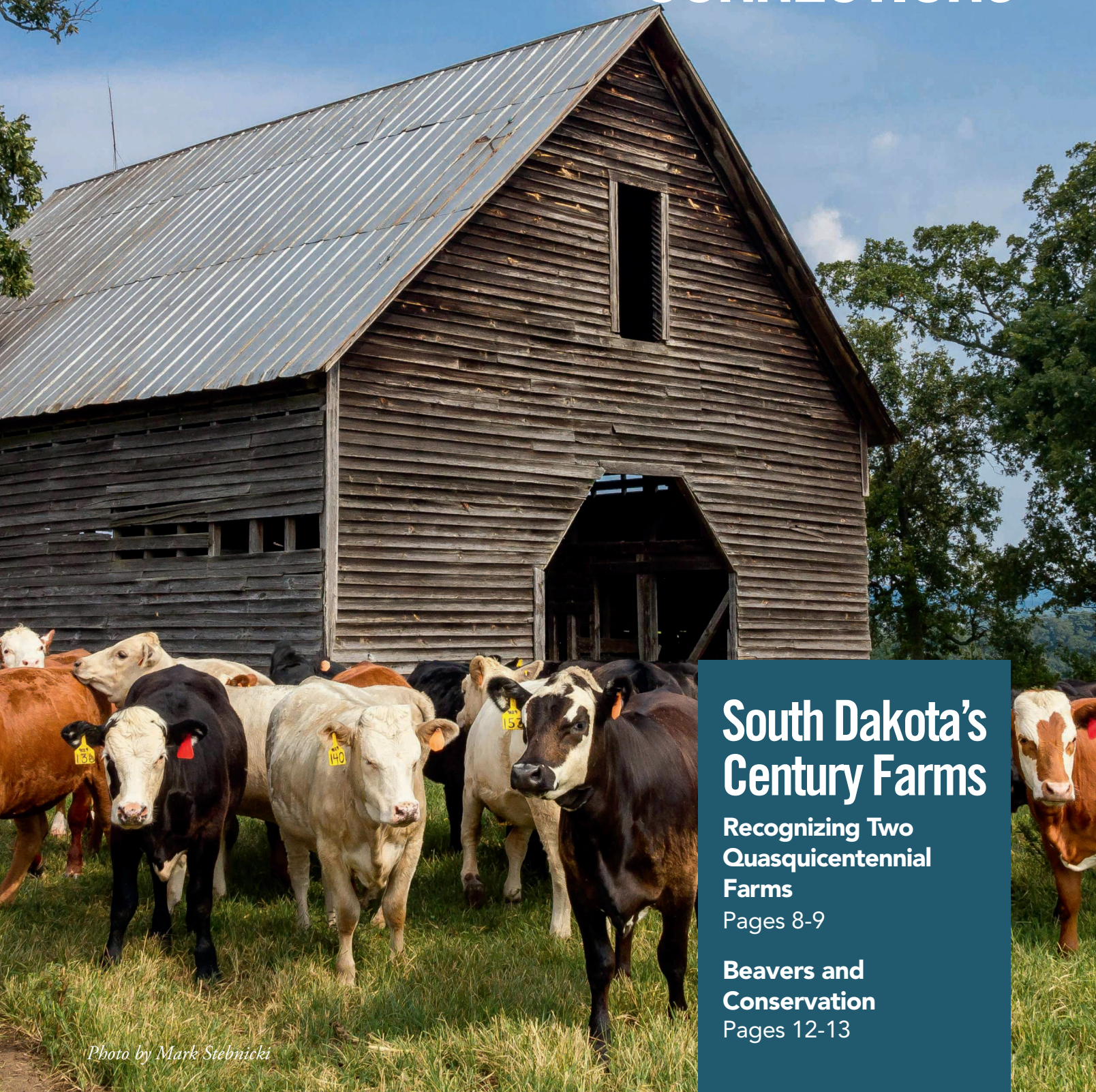


# COOPERATIVE CONNECTIONS



## South Dakota's Century Farms

**Recognizing Two  
Quasiquicentennial  
Farms**

Pages 8-9

**Beavers and  
Conservation**

Pages 12-13

*Photo by Mark Stebnicki*



# Better Together: The Power of Unity in Building Our Electric Supply System



**Dave Page**  
General Manager

Throughout history, human progress has often hinged on our ability to work together, transforming individual weaknesses into collective strengths. This principle is vividly illustrated in the development of the rural cooperative electric system in the United States, where cooperation not only illuminated homes but also empowered communities and fueled economic growth.

In the 1930s and 1940s, the landscape of rural America was vastly different from today. Many areas, especially those with agriculture-based economies, lacked basic utilities that urban areas took for granted. Electricity, a driver of modern convenience and efficiency, was scarce in our rural area. This disparity did not stem from a lack of need or desire, but from the high costs associated with delivering power over vast, sparsely populated areas. It was here, in this pressing need, that the spirit of collective action really began to shine.

In 1940, a group of rural inhabitants, predominantly farmers, realized they could achieve more together than alone. By joining forces, they formed Whetstone Valley Electric Cooperative, and helped in a movement for rural electrification. More than just providing electricity, Whetstone Valley Electric demonstrated the profound impact of cooperation, showing that unity could bring light to previously dark places.

The success of Whetstone Valley Electric led to more teamwork. By 1949, the increasing needs of our rural communities called for bigger solutions. This led to the creation of East River Electric Power Cooperative, formed by several cooperatives including Whetstone Valley Electric. Their goal was to build a strong transmission system that could meet the growing demands of their members. This effort, like the one before it, showed that working together could solve problems too big for any one group alone.

The evolution didn't stop there. The increasing electrical needs and the desire for reliability in supply spurred these cooperatives to aim even higher. Recognizing that generation and high-capacity transmission were the next frontiers, Whetstone Valley, and East River Electric, along with other cooperatives, worked together to establish Basin Electric Power Cooperative. Basin Electric focused on constructing generation plants and transmission lines that would secure a reliable power supply for its owner-members. This step was not just about expansion; it was about securing a sustainable and self-sufficient future for the cooperative members.

These historical milestones in the development of our electric power system illustrate a broader lesson: collaboration is not merely a strategy but a fundamental aspect of human progress. The story of Whetstone Valley, East River, and Basin Electric Cooperatives shows us that when individuals unite with a common purpose, the impossible becomes possible. They did not just build infrastructure; they forged a legacy of cooperation that continues to power our lives today.

As we face new challenges in energy, technology, and sustainability, the principle of "Better Together" remains ever relevant. The cooperative spirit that electrified rural America in the mid-20th century continues to guide us toward future achievements. It reminds us that no matter the scale of our challenges, together, we have the strength to overcome them and achieve greater goals.

Until next month, keep working together and stay safe.

**COOPERATIVE  
CONNECTIONS**

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# Scholarship Winner!

Aubrey Fraasch, daughter of Wayde and Amber Fraasch, is this year's \$1,000 college scholarship winner, which was awarded by Whetstone Valley Electric's power supplier Basin Electric Power Cooperative. Applications were collected at Whetstone Valley Electric and sent to Basin Electric's headquarters in Bismarck, N.D. A scholarship committee selected Fraasch from our group of applicants. Recipients are selected based on grade point average, ACT/SAT score, work experience, school activities, volunteer and community service, and an essay question.

Aubrey graduated from Milbank High School this past May. She plans to attend Georgia Military College and then go on to The United States Naval Academy to major in engineering. Whetstone Valley

Electric congratulates Aubrey on being chosen to receive this scholarship and we wish her well as she begins her military career.



## Teach Children About Electrical Safety:

- Never climb trees near power lines. Even if the power lines are not touching the tree, they could touch when more weight is added to the branch.
- Fly kites and model airplanes only during good weather conditions in large open areas like an open park or a wide field. They should stay away from overhead power lines or other electrical equipment such as substations. If a kite gets stuck in a tree that's near power lines, don't climb up to get it. Electricity can travel down kite strings or wires. Contact your electric utility for assistance.
- Never climb a utility pole or tower. The electricity carried through this equipment is extremely high voltage and could kill you.
- Don't play on or around pad-mounted electrical equipment. These are often green metal "box" transformers on cement pads.
- Never go into an electric substation for any reason. Electric substations contain high-voltage equipment; even raising your hand inside one can cause an arc that may result in an electric shock. Never attempt to retrieve a pet, ball or any toy from these areas. Call your electric utility instead.
- Immediately seek shelter if lightning or thunder is present while playing outdoors.

For more information on electrical safety, visit [SafeElectricity.org](http://SafeElectricity.org).

# Prepare Your Family for Fire Emergencies

In only a matter of minutes, a small house fire can rage out of control, reaching temperatures of up to 1,500°F. In most cases, you have one to two minutes to get out safely.

We practice fire emergency drills at work and school, but don't forget to create and practice a home escape plan, as well. It is beneficial to keep your plan visible, like on the refrigerator, to help family and visitors remember what to do. The Federal Emergency Management Agency (FEMA) stresses that even children as young as three years old can understand an escape plan.

### Helpful Planning Tips:

- Plan for two ways to escape from each room.
- Pick a meeting location away from your home.
- Plan for everyone in your home, including babies and others who may need help to escape.
- Teach children not to hide during a fire; they must get out and stay out.



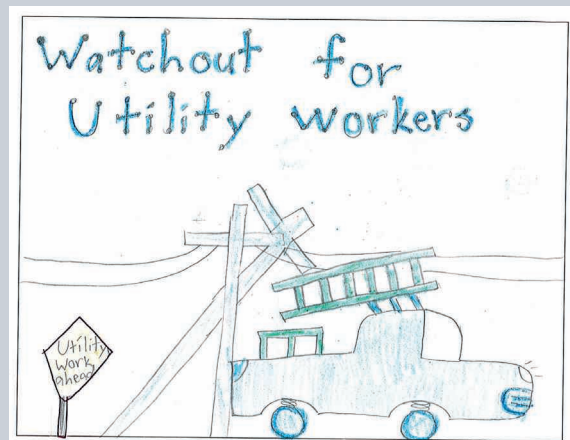
- Practice your escape drill with everyone in your family at least twice a year.

### Ways to Stay Safe:

- Clear toys, furniture and other clutter from exits.
- Check that windows open easily – fix any that stick.
- Test the batteries in your smoke alarms monthly.
- Be sure that security bars on doors and windows have a quick-release latch, and everyone knows how to open them.

### Special Considerations for Apartment Buildings:

- If you live in a multi-story apartment building, map out as many escape routes as possible to get to the stairways on your floor.
- If you live in a high-rise, plan to use the stairs – never the elevator – to escape a fire.
- A secondary route might be a window onto an adjacent roof or a collapsible ladder for escape from upper-story windows – purchase only collapsible ladders evaluated by a nationally recognized laboratory, such as Underwriters Laboratory (UL).



### Stay Away from Power Lines

#### Reese Rindels, Age 9

Reese Rindels cautions readers to watch out for utility workers. Reese's parents are Rochelle and Kyle Rindels, members of Sioux Valley Energy.

Kids, send your drawing with an electrical safety tip to your local electric cooperative (address found on Page 3). If your poster is published, you'll receive a prize. All entries must include your name, age, mailing address and the names of your parents. Colored drawings are encouraged.



# DELICIOUS *Dairy*

## CHOCOLATE FUDGE FROSTING

### Ingredients:

2 1/4 cups confectioners' sugar  
1/4 cup unsweetened cocoa powder  
1/4 tsp. cinnamon  
6 oz. (3/4 package) cream cheese, softened  
3/4 cup (1 1/2 sticks) butter, softened  
8 oz. semi-sweet chocolate, melted and cooled slightly  
1 tbsp. pure vanilla extract

### Method

Mix sugar, cocoa powder and cinnamon in medium bowl until well blended. Set aside. Beat cream cheese and butter in large bowl with electric mixer on medium speed until smooth. Gradually beat in cocoa mixture on low speed until well blended. Gradually beat in melted chocolate then vanilla until well blended.

McCormick.com

## RED VELVET HOT CHOCOLATE

### Ingredients:

4 cups whole milk  
1/4 cup sugar  
10 oz. semi-sweet baking chocolate, coarsely chopped  
2 tsps. red food color  
1 tsp. pure vanilla extract  
**Vanilla Whipped Cream**  
1/2 cup heavy cream  
2 tbsps. confectioners' sugar  
1/2 tsp. pure vanilla extract

### Method

Place milk and granulated sugar in medium saucepan. While stirring, bring to simmer on medium heat. Remove from heat. Stir in chocolate with wire whisk until melted. Stir in food color and vanilla. Serve with marshmallows. For the vanilla whipped cream, beat heavy cream, confectioners' sugar and vanilla in medium bowl with electric mixer on high speed until stiff peaks form.

McCormick.com

## LEMON PUDDING DESSERT

### Ingredients:

1 cup COLD butter  
1 8 oz. pkg. cream cheese, softened  
1 8 oz. tub cool whip, divided  
2 pkgs. (small) instant lemon pudding  
2 cups flour  
1 cup powdered sugar  
3 cups COLD milk

### Method

In bowl, cut butter into flour until crumbly. Press into an ungreased 9 x 13 inch glass pan. Bake at 350 degrees for 18 to 22 minutes or until set. Cool on wire rack. In mixing bowl, beat cream cheese and powdered sugar until smooth. Fold in one cup cool whip. Spread over cooled crust. In bowl, beat milk and pudding mixes on low speed for 2 minutes. Carefully spread over cream cheese layer. Top with remaining cool whip. Refrigerate for at least 1 hour or more. Yields 12 to 16 servings.

Mary Jessen  
Holabird, S.D.

Please send your favorite recipes to your local electric cooperative (address found on Page 3). Each recipe printed will be entered into a drawing for a prize in December 2024. All entries must include your name, mailing address, phone number and cooperative name.

# Set Your Home to Vacay Mode



**Miranda Boutelle**  
Efficiency Services  
Group

**Q:** How can I lower my electric bill when I'm gone on vacation?

**A:** Just like you, the equipment in your home is hard at work getting through the daily grind. While you are off enjoying a new adventure or time away, give your home's equipment a vacation, too. Doing so can reduce unnecessary energy waste and unneeded wear and tear on your heating and cooling system, appliances and more. Here's how to set your home to vacay mode.

Your heating and cooling system keeps you comfortable. If you aren't there, it doesn't need to be quite so comfortable in your home. Setting the thermostat closer to the outdoor temperature can save you energy and money. I don't recommend completely turning off the heating or cooling system. In extreme weather, your heating and cooling system also helps protect your home from freezing pipes or damage from excessive heat.

As a rule, you can typically set your thermostat 5 to 10 degrees closer to the outdoor temperature when you aren't home. Each home is different, and the weather varies depending on where you live. Consider the right temperature balance for your home.

Installing a smart thermostat gives you the ability to control your settings remotely from your smartphone. This allows you to adjust the temperature after you leave home and right before you return.

Most water heaters include a vacation mode setting. This setting drops the temperature to reduce wasted energy when you're away. A storage water heater is like an insulated tea kettle, standing by and ready for you to have hot water whenever you need it. Give that water heater a vacation, too. Changing the setting to vacation mode keeps it on at a lower setting, saving energy. Leave yourself a note with a reminder to turn it back on when you get home, so you don't wind up with a disappointing shower before the first day back at work.

Closing the curtains can provide two benefits. It can keep heat from the sun at bay. This reduces the load on your heating and cooling system, which saves energy. It also has the benefit of blocking visibility into your home when you're away.

For security, some people use timers or leave on exterior lights. Make sure any lights left on are LEDs, instead of incandescent or compact fluorescent bulbs. LEDs use less energy and have less impact on your electric use when left on all night. You can also consider adding smart LEDs to your home. Smart LEDs can be controlled remotely through an app on your phone.

Did you know there are devices in your home that continue to draw power from your electrical outlets even when turned off or on standby? Before you leave, walk through your home and unplug devices and small appliances. Make sure gaming consoles and computers are fully powered down. Unplugging any devices that have lights, clocks or use standby mode can also reduce wasted energy.

Having peace of mind that your home is powered down and secure can help you enjoy your vacation. After all, we all need an occasional break.





# Ezra Aderhold's Road Trip from Prairie to Disc Golf Pro

Frank Turner

frank.turner@sdrea.coop

Disc golf, a sport increasingly capturing the interest of new amateurs and enthusiasts nationwide, is embedding itself in the rolling landscapes of South Dakota. Parks across the state have been developing disc golf courses, erecting chain link baskets and inviting locals to let their discs soar through the countryside.

Alongside these courses, an entire industry has emerged, complete with high-stakes tournaments, live broadcast coverage, and a class of professional players who have elevated their disc golf game to new heights. At the forefront of this scene is Ezra Aderhold, a native of Bath, S.D., whose passion for disc golf has led to a full-time career in the sport with seven career wins and career earnings totaling more than \$100,000.

Aderhold's journey from an amateur player to a professional disc golfer, however, did not happen overnight. Without any tournament experience or a single dollar earned from the sport, Aderhold set a goal to become one of the world's best disc golfers.

"My brothers and I started watching the pro disc golf scene from the couch," Aderhold recounted. "I was a bit delusional, thinking I could immediately compete with the pros. I thought I was better than I was, which, granted, wasn't a complete delusion because I am one of the top pros now; but at the time, that mindset fueled my confidence to make it happen."

With a headstrong mindset, Aderhold set out to achieve his audacious goal. In 2017, Aderhold began treating disc golf as a full-time job, practicing daily. After picking up a few wins in local tournaments, Aderhold kicked off his first tour in the professional disc golf scene in 2019 by driving to a tournament in Texas, where he lived out of his car to sustain his dream.

"When I went on tour my first year, I just lived out of my Toyota Prius, so I built it out with my bed in there. I would go to local parks to plug in my Instant Pot and cook my beans," Aderhold laughed. "I wanted to live as cheaply as possible so I could stay out on the road and keep the tour going. At the time, I was so focused on making that dream a reality that it didn't feel like a sacrifice. I was just so happy to have a chance to be out there, trying to make it in the pro disc golf scene."

Eventually, the days spent living out of his Prius palace paid off, and after months of living on the road, Aderhold's career began gaining traction. While in Texas, Aderhold earned his



Ezra Aderhold gains notice on the national disc golf stage.  
Photo submitted by Ezra Aderhold.

first small sponsorship from OTB Discs, a disc golf retailer. As his wins started to compile, so did the offers from sponsors. By the end of his second season in 2020, Aderhold had offers on the table from multiple sponsors. Today, Aderhold holds sponsorships with several disc golf companies, including Squatch Disc Golf, OTB Discs and Discraft.

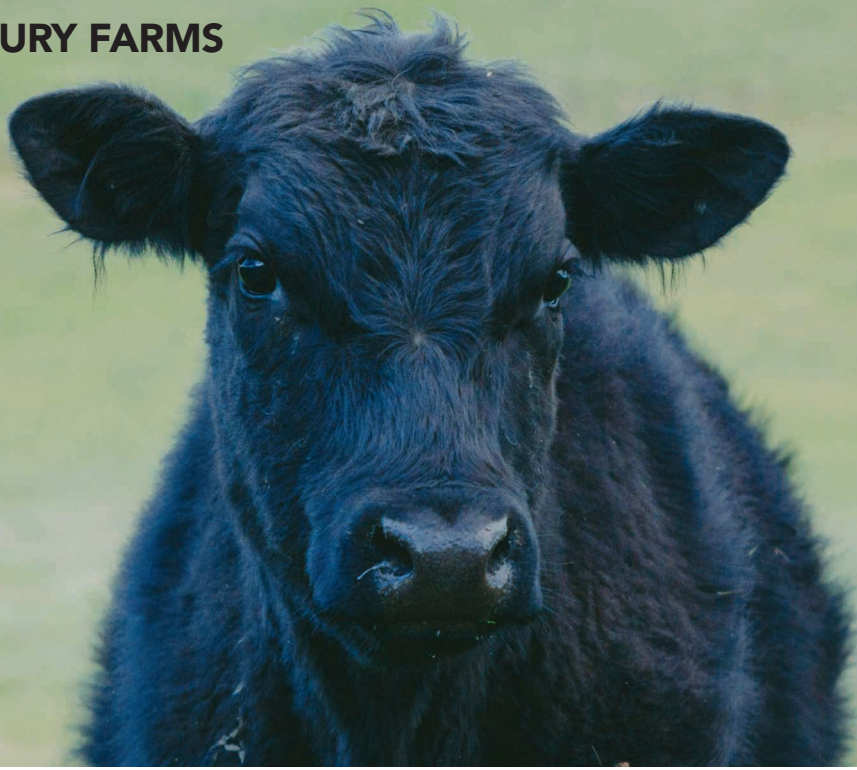
"Once I landed a sponsorship with Discraft, that's when it really became sustainable for me," he said.

In April, Aderhold again proved his determination in Arkansas at the Jonesboro Open. In the same week the moon covered the sun during the total solar eclipse, Aderhold took second place in the tournament, throwing 23 under par. Although the stars aligned that week, Aderhold was just one throw shy of taking home the win.

"I am definitely disappointed that I didn't take home the win – that's the goal; but I'm happy with how I am playing and I know that at the level I'm playing at now, a win is inevitable," Aderhold said.

A firmly established professional disc golfer, Aderhold said his next goal is to join the ranks of the top disc golf players in the world.

"Back in the day there were four players that always had a chance at winning and always played at the top of their game," said Aderhold. "Obviously, I want to win, but I think the bigger goal is to be one of the top guys who is always in contention for the win."



# South Dakota's Century Farms

**Shannon Marvel**

shannon.marvel@sdrea.coop

## **Soukup Homestead: Raising families and farmers for over 125 years**

Nestled in the heart of southcentral South Dakota lies a cherished piece of land with a name that's been long-established in Charles Mix County – the Soukup Homestead.

Almost anyone with Wagner ties knows a Soukup.

There are even a few members of the Soukup family who are also part of South Dakota's rural electric cooperative family, including Charles Mix Electric District 1 Director Denise Soukup.

But it all had to start somewhere, and good things take time.

That was the case for the Soukup's Century Farm and the Gronseth/Fiegel/Nelson/Evans homestead, a farm located near Britton that's served by Lake Region Electric.

Really, it's a common theme for Century Farm families to be located within rural electric cooperative service areas.

The South Dakota Farm Bureau and the South Dakota Department of Agriculture and Natural Resources began the Century Farm Program in 1984 to recognize farm and ranch families who have kept the farm in the family for 100 years or more.

Farms reaching the milestone of 125 years, known as

Quasquicentennial Farms, and the venerable Sesquicentennial Farms, marking an impressive 150 years, are also given their due recognition.

With over 3,000 families honored to date, the program continues to shine a light on the enduring legacy of South Dakota's agricultural heritage. To qualify for these prestigious honors, farms must encompass at least 80 acres and provide documented proof of their original purchase date. That means a family member must have always had ownership of the land over the last 100 years, including during the Great Depression and Dust Bowl.

The annual award presentation is a cherished tradition held at the South Dakota State Fair.

After migrating with family from what is now known today as the Czech Republic in the late 1800s, Joseph and Mary Soukup



Tom Soukup stands beside his Farmall Red International Harvester 460 tractor. *Photo courtesy of Linda Soukup*



came to the Dakota Territory at a time when most of the land open for settlement had already been settled.

While living in Tabor with family, Joseph Soukup applied for a homestead on reservation land that was now open for settlement at the U.S. Land Office in town of Mitchell on Jan. 30, 1896.

"In the following five years he built a frame house 13 feet by 18 feet in order to establish a residence, then a grainery, a corn crib, and he also fenced in 80 acres," said Linda Soukup, the wife of Tom Soukup. Her husband is Joseph and Mary's grandson.

Joseph and Mary raised ten children on the very homestead that Tom and Linda raised their kids.

"There's a lot of pride in the heritage and the legacy of, you know, having it passed down," Linda said. A new house was built on the site of Joseph and Mary's original home's structure in 1952.

That's where Tom and Linda lived and became the third generation to live on the homestead.

"When we lived here and Tom's parents and their brothers and sisters used to all come here," Linda said, as she started walking towards one of the farm buildings on the property referred to as "the shed."

"And they would butcher hogs and cattle and we would process them down there. We had a meat cooler in the basement. And then one of the families owned the meat saw and one owned the sausage stuffer," she recalled. "That was always kind of what we did until, well, families got bigger, and you couldn't. You just couldn't keep up, you know? We could have had a critter in there all the time," she said.

Tom and Linda raised their children – Becky, David, Kathy and Mary – in the house as well.

Their son David works as a project engineer for Phillips Petroleum in Texas. Two of their daughters live in different towns but remain relatively close to the homestead.

Kathy Jaeger lives in Tyndall and Mary Ringling lives in Platte. In 1996, their daughter Becky and her husband, Mike

Brunsing were living in Montana when Tom and Linda decided to move into town, so in 1998 the Brunsings moved back to South Dakota and began helping Tom on the farm while living in the house.

Becky raised three children of her own in the house she grew up in herself.

Becky and Mike still live on the homestead but in a more recently built home.

Now her son Dylan, 28, is raising his own family in the 1952 farmhouse.

In doing so, he became the fifth generation on the homestead.

Dylan and his wife, Keely, have two sons – a 20-month-old and an infant born in late March.

### **After 126 years, Torger Gronseth's homestead continues to bring family together.**

It's hard for Carol Evans to put into words how she feels when she reflects on the 126 years of history of her family's farm in Marshall County.

"It's so important to us," Evans said. Then she takes pause.

"I'm sorry, it's emotional for me," she says, before telling her family's – and the farm's – origin story.

In 1872, her great grandfather, Torger Gronseth, immigrated to America from Norway at only 14 years old.

He made the trip to join his eldest brother in Minnesota. He officially "staked his claim" and homesteaded in the Pleasant Valley Township of Marshall County in 1901.

Over the next two decades, Torger and his wife, Berthe Lea, amassed over 960 acres of undeveloped land in the Coteau de Prairie of northeastern South Dakota.

To each of their six children, Torger bequeathed a quarter of land.

The pioneering couple sold a quarter to their daughter, Louise, upon her marriage to George Fiegel for \$1.

While they were building the house that Carol and Frank Evans now call home, the Fiegels welcomed their first child.

"All of them were born in that house built in 1920. The first born was born on

the actual homestead. The house was being built when my first aunt was born," Evans said.

Louise and George owned the house and quarter of land until 1972, at which point ownership was passed onto their daughter Joyce and her husband Orvin Nelson.

"We bought the house in 2011. Last year after my mom passed, we were able to buy the entire quarter," she recalled.

Carol and Frank then got to work refurbishing the 800-square-foot house.

The Evans live in Arizona in the fall, winter, and spring months, but spent years renovating the farmhouse over the course of several summers.

"We go back in May every year, and we've renovated the house from the chimney to the basement," Evans said.

Their summer stay at the farm begins with the help of Lake Region Electric Association.

"The first thing we do when we get there is turn the power on. Then we turn the water on and then we mow," she said.

The week over the Fourth of July holiday is especially meaningful to Carol. That's when her grandchildren make their pilgrimage back to the Gronseth/Fiegel/Nelson/Evans homestead.

"They're always here around Fort Sisseton Days," Evans said.

The traditional agenda for the kiddos also includes picnics at Roy Lake, routine farm work, and touching up the paint on an American Flag pallet display located at the base of Torger Gronseth's tombstone.

"Every one of the kids has learned how to drive when they're back in South Dakota – because it's safe," Evans said.

Evans ensures the next generation knows their family history.

"They know their great grandpa was only 14 years old when he left Norway. The strength of the person to do that – the longevity of our genetic background, the struggle, and the fact that we're so fortunate – are something they'll understand," Evans said.

"And that it's home. It's never going to the farm. It's going home."

# How You Can Save Energy During Hot Weather

Michael Weinstein

illumination Staff Writer

We can't do anything about the weather, but we can adjust our energy use during extreme temperatures. When it's hot outside, we want to cool down. So for starters, reduce activities that generate heat, such as burning open

flames, using hair dryers or cooking on the stove or baking in the oven.

These are some easy ways to keep cool and reduce your energy use during warm weather.

**Set thermostat higher.** When it's hot outside, set your thermostat to the highest comfortable setting. The higher the setting, and the smaller the difference between the inside and outside temperatures, the lower your energy costs will be. A programmable or smart thermostat makes it easy to set a schedule that works for you.

**Run dishwasher when it's cooler.** Choose an energy-saving cycle and air dry or overnight dry setting. Run only full loads and during cooler parts of the day, such as early morning and late evening. Avoid the pre-rinse cycle. The rinse hold setting uses 3 to 7 gallons of water.

**Use LED lightbulbs.** Replace standard bulbs with light-emitting diodes (LED). LEDs are more efficient than regular bulbs, while giving off the same amount of light.

**Spin the ceiling fan counterclockwise.** By using a ceiling fan, you'll feel cooler and be able to raise the thermostat by as much as 4 degrees Fahrenheit. The counterclockwise direction combined with the blade pitch creates downdraft, ..

**Change air filters regularly.** A clogged, dirty air filter makes an HVAC system work harder, which uses more energy. Dusty conditions or pet fur could require more frequent replacements. Change air filters once a month, or at least every three months.

**Get HVAC inspected.** Have the HVAC system checked to maintain performance. An air conditioner's filters, coils, and fins require regular maintenance to function effectively. Duke Energy

offers qualified customers rebates to help offset the cost of replacing older units with energy-efficient ones. Use [finditduke.com](http://finditduke.com) to find a certified contractor.

**Grill outdoors.** Cooking in the oven or stovetop will heat up the kitchen. Grill outside to keep the heat outdoors. You'll also save energy by cooking in the microwave instead of in the oven.

**Seal leaks.** Look for gaps around pipes and the foundation. Check to see if the caulking and weather stripping has deteriorated. Seal leaks around doors, windows, cracks and openings to keep hot air from entering your home. Use caulk or weatherstripping to seal air leaks.

**Close the blinds.** Close blinds and curtains on sunny days. If you have a whole-house fan, use it to pull cool air into your home at night or in the early morning through open windows. Turn the fan off and shut the windows during the day.

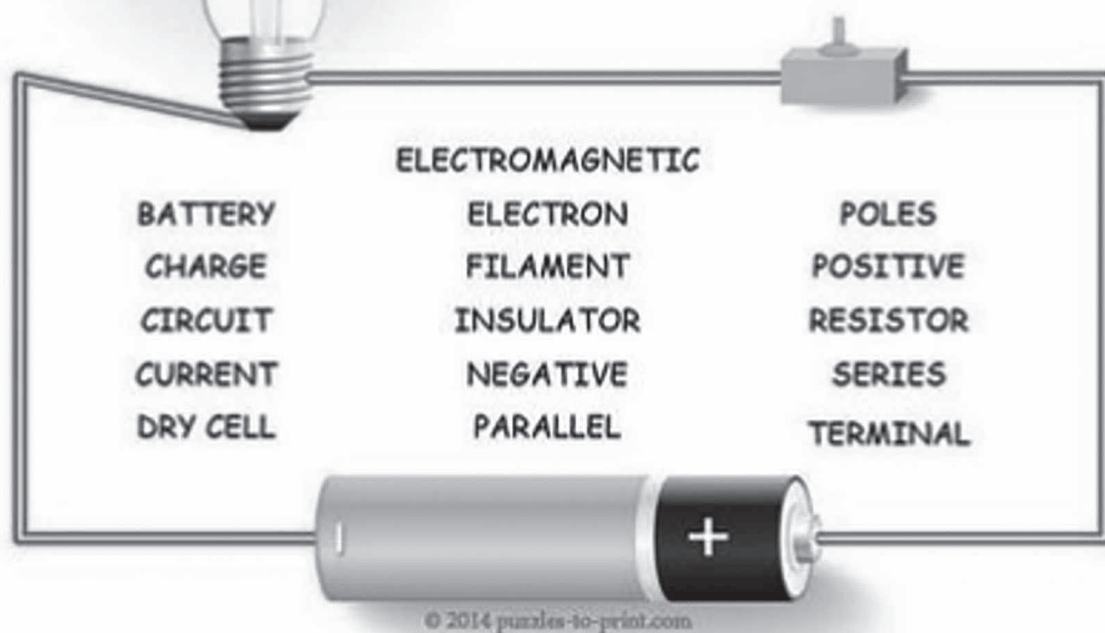
**Use the washer and dryer efficiently.** Wash full loads of clothes in cold water. The detergent cleans the clothes not the water temperature. Use the dryer during cooler parts of the day. Clean the lint filter after every load, which will help clothes dry faster and save energy.

**Unplug electronics like phone chargers and laptops when you're not using them.** Leaving them plugged in wastes small amounts of energy that can add up. If you're going on vacation, you'll save by unplugging appliances while you're away.



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## Word Search





# REBUILDING HABITATS

Beavers provide many environmental benefits including drought resilience, flood control and wildlife habitat. *Photo Credit: Richard Hamilton Smith.*

## BEAVER-INSPIRED STREAM RESTORATION

**Frank Turner**

[frank.turner@sdrea.coop](mailto:frank.turner@sdrea.coop)

Centuries ago, the arrival of European traders in North America marked the beginning of a multi-century hunt for furs. The pelt of the North American beaver was at the forefront of this fur trade, prized for its use in crafting felt hats. These stylish hats fueled an ever-increasing demand for beaver furs that persisted for centuries, leading to a severe decline in beaver populations. By the early 1900s, beavers had become critically endangered, nearly vanishing from the expansive wetlands across the continent.

As the beavers dwindled, so did their dams. Lazy streams and rivers, once

tamed by beaver dams, began to flow more rapidly. The disappearance of the dams caused waterways to narrow and floodplains essential to willow trees and cottonwoods to vanish. The loss of these beaver-engineered habitats set the stage for the significant erosion of precious prairie lands.

In 2020, The Nature Conservancy set out to combat these issues by launching a project in partnership with the Natural Resources Conservation Service, South Dakota State University and local conservation agencies to restore stream health in western South Dakota.

“Our West River streams make up a small percentage of the total landscape – just under two percent of our total acreage is stream and valley

bottom,” said Lori Brown, riparian health program manager with The Nature Conservancy. “Yet, nearly everything in the prairie depends on these streams, including us in our rural communities.”

Prior to launching the project, The Nature Conservancy engaged local landowners in discussions to best understand their challenges and needs. During the discussions, several landowners faced similar issues: streams were eroding the land, fence lines were being washed away, and the water table was too low. Despite having effective tools for managing grasslands, landowners lacked the means to best maintain healthy streams.

“We needed to explore options



that any landowner could implement – strategies that didn't require a hydrologist to implement or an engineer to design," Brown said. "Our ranchers and landowners are some of the best stewards of the land. A lot of them are hungry for information and tools that can help them help the land."

The solution was simple, inspired by the ingenious works of an aquatic rodent: an artificial beaver dam. After all, if a beaver can engineer a dam, why can't a landowner?

Known as beaver analog devices, these simple speedbump-like structures quickly became integral to a broader strategy known as process-based restoration, a method that uses nature to help nature. Composed of locally sourced sticks, rocks and mud, beaver analog devices replicate a key natural process once performed naturally by beavers centuries ago. When established correctly, they filter water,

slow fast-flowing streams, and even recreate floodplains.

After settling on a solution, The Nature Conservancy set out to implement the idea in the real world, working with 10 landowners to help build and record the effects of the simulated beaver dams.

"Every day that I go out to one of these sites and I see that the beaver dams that we have built aren't totally washed out, it absolutely amazes me," Brown said. "I've read the manuals and I know how it's supposed to work, but I'm always in awe at what we are able to accomplish with the right building blocks in place."

After four years of the project, Brown said there is a lot to be excited about as the benefits of the project are evident. Signs of stream restoration are well underway. Sediment is accumulating rather than eroding, and revitalized floodplains are sprouting new willow trees.

"Without any planting on our part, woody species are now returning to these stream channels," Brown said. "The next step will be to lean into the success of this project. We want to act as a support for our conservation partners and other interested landowners that want to see their stream condition improve on their properties."

Others have been inspired by demonstrations led by The Nature Conservancy and other conservation organizations in the state to take action to slow down and hold water.

"We are just starting to see some of the effects from our outreach and education side of this project," said Brown. "The most rewarding part of this effort has been hearing the stories from local ranchers and landowners and hearing them get excited about the project."



A rock structure installed to help prevent headcuts from eroding upstream reaches. Photo Credit: Joe Dickie, Generation Photography, Inc.





# Reliable Energy is in Jeopardy

## Steve Barnett

General Manager of the South Dakota Rural Electric Association, a statewide association that represents 31 member-owned electric cooperatives. He previously served as Secretary of State for South Dakota.



South Dakota's families and businesses rightfully expect their lights to stay on at a price they can afford. Our national energy policies should support our cooperative mission, which is to provide safe, reliable, and affordable electricity to our member-owners.

Unfortunately, our country is now confronted with a harsh reality – we are quickly approaching a point where there won't be enough electricity to go around.

The North American Electric Reliability Corporation (NERC) is the nation's grid watchdog. For years, the organization has issued a string of increasingly dire reports warning that threats to grid reliability are mounting, and more frequent rolling blackouts could soon become the norm. NERC's recent assessment predicts more than 110 gigawatts of always-available generation, enough to power about 35 million homes, will retire through 2033.

And all or parts of 19 states are at high risk of rolling blackouts during normal peak conditions over the next five years.

Keeping the lights on is not a partisan issue. Yet, politics and energy policy have had an outsized impact on how we got here. The current state of our nation's energy policy related to electricity can be summed up simply: Do more with less.

That's just not sustainable. From data centers to EVs, from home heating and cooling to the way we run America's farms, our nation is increasingly reliant on electricity to power the economy. As technology and energy demands advance, a recipe for rolling brownouts and blackouts is brewing.

Opposite that increasing demand for electricity is an alarming reduction in supply as our country shutter's existing always-available power plants to comply with various federal and state regulations.

## Jim Matheson

CEO of the National Rural Electric Cooperative Association, the national trade association that represents the nation's more than 900 not-for-profit, consumer owned electric cooperatives. He previously served seven terms as a U.S. representative for Utah.





South Dakota experiences extreme weather conditions throughout the year with temperatures rising above 100 degrees in the summer and falling far below zero in the winter. When the sun is not shining and the wind is not blowing, renewable energy sources do not fit the bill for reliability. We simply cannot fully retire power plants that still have a useful life ahead of them.

The final challenge to meeting our nation's energy needs is the arcane set of rules and regulations required to build anything in this country. The process for siting, permitting and building infrastructure – everything from solar farms, to pipelines to transmission lines – is mired in red tape and years of litigation.

These trends are not going to get any better in the coming years.

On April 25, the Environmental Protection Agency (EPA) finalized four new rules to regulate power plants. The path outlined by the EPA is unrealistic, unachievable, and unlawful – exceeding the EPA's authority and disregarding Supreme Court rulings. It undermines electric reliability and poses grave consequences for an already stressed electric grid.

The American economy can't succeed without reliable electricity. Smart energy policy recognizes this fundamental truth, while keeping the lights on. This barrage of new EPA rules ignores our nation's ongoing electric reliability challenges and is the wrong approach at a critical time for our nation's energy future.

EPA finalized its rule against a backdrop of daunting threats to reliability as electricity demand surges and supply decreases. This will lead directly to more blackouts, higher costs, and uncertainty for America. That's a dangerous approach to regulation.

The National Rural Electric Cooperative Association filed a lawsuit with the U.S. Court of Appeals for the D.C. Circuit challenging the EPA over its unlawful power plant rule on May 9. This suit points out that the rule goes far beyond what Congress has authorized the agency to do, violates the Clean Air Act and disregards recent Supreme Court rulings. The rule hinges on the widespread adoption of carbon capture and storage – a promising technology that is simply not ready for prime time.

South Dakota's Attorney General is also one of several dozen that have filed suit against the EPA for similar reasons.

Policymakers cannot overlook the laws of physics or the reality of the current situation. Adding more renewable resources to the nation's energy portfolio can be part of the solution; however, since the wind doesn't always blow and the sun doesn't always shine, our country also needs a robust supply of readily available energy resources to call on at a moment's notice.

Any long-term solution requires policymakers to recognize the need for time, technology development and new transmission infrastructure. These are essential ingredients for an energy future that prioritizes reliable electricity for all consumers.

Electricity powers industries, businesses, and technology. It fosters economic development vital for medical facilities, ensuring the functioning of life-saving equipment. Reliable power is essential for emergency services, law enforcement, and disaster response efforts. It also fuels innovation by supporting research, development, and deployment of new technologies.

Keeping the lights on is vital to South Dakota's economy. The stakes are too high to get this wrong.



**JUNE 12-JULY 20, 2024**  
**Prairie Repertory Theatre**  
**Summer Season**  
 Oscar Larson Performing  
 Arts Center  
 Brookings, SD  
 605-688-6045



To have your event listed on this page, send complete information, including date, event, place and contact to your local electric cooperative. Include your name, address and daytime telephone number. Information must be submitted at least eight weeks prior to your event. Please call ahead to confirm date, time and location of event.

**MAY 31-JUNE 2**  
**Lake Andes Fish Days**  
 Citywide  
 Lake Andes, SD

**MAY 31-JUNE 2**  
**Fort Sisseton Historical Festival**  
 11907 434th Ave.  
 Lake City, SD  
 605-910-4465

**JUNE 1**  
**LaFramboise Island Bike Race**  
 10:30 a.m.  
 S. Poplar Ave.  
 Pierre, SD  
 605-222-0338

**JUNE 1**  
**Annual Casey Tibbs Match of Champions**  
 Stanley County Fairgrounds  
 Fort Pierre, SD  
 605-494-1094

**JUNE 1-2**  
**We Love Locals Weekend**  
 10 a.m.-6 p.m.  
 Keystone, SD

**JUNE 1-2**  
**South Dakota Veg Fest**  
 11 a.m.-4 p.m.  
 The Good Earth Farm  
 Lennox, SD  
 605-929-7394

**JUNE 1-2**  
**Deadwood Mickelson Trail Marathon**  
 Trailhead at Engine House  
 Deadwood, SD

**JUNE 6-9**  
**Wheel Jam**  
 South Dakota State  
 Fairgrounds  
 Huron, SD  
 605-353-7340

**JUNE 7-9**  
**Family Fun Weekend**  
 Wylie Park  
 Aberdeen, SD  
 605-626-7015

**JUNE 8**  
**Grace's Gas-Guzzlers Car Show, Carnival & Silent Auction**  
 Grace Lutheran Church  
 Watertown, SD

**JUNE 9**  
**Brookings Car Show**  
 11:30 a.m.-3 p.m.  
 Pioneer Park  
 Brookings, SD

**JUNE 12-13**  
**Rangeland & Soil Days Contest**  
 Codington County Extension Building  
 Watertown, SD

**JUNE 20**  
**Prairie Partners Master Gardeners Garden Walk**  
 Aberdeen, SD

**JUNE 22-23**  
**"Our Place: 15 Years of Onaka" Photography Exhibit**  
 11 a.m.-6 p.m. Sat.  
 12-4p.m. Sunday  
 Onaka Community Hall  
 Onaka, SD

**JULY 13**  
**9th Annual Auto Value Car Show**  
 11 a.m.-4 p.m.  
 Hav-A-Rest Campground  
 Redfield, SD

**JULY 14**  
**Lion's Club Summer Fest/ Car Show**  
 9 a.m.-4 p.m.  
 Groton City Park  
 Groton, SD

**JULY 25**  
**Groton Summer Downtown Sip & Shop**  
 5-8 p.m.  
 Groton, SD

**AUG. 10-11**  
**Twin Brooks Threshing Show**  
 Featuring Oliver  
 Twin Brooks, SD  
 605-880-2884

**Note: Please make sure to call ahead to verify the event is still being held.**