

# SESD Experiment Farm Corporation annual meeting is Jan. 31

Southeast South Dakota Experiment Farm Corporation invites the public to attend their annual meeting Jan. 31, 2012, beginning at 1 p.m. at The Bridges Event Center in Beresford. This annual event disseminates information to the public about current year's activities at Southeast Research Farm and highlights cutting edge ag-related topics presented by featured speakers. Featured speakers this year include; Dwayne Beck, Dakota Lakes Research Farm Manager, Pierre, who will discuss ways cover crops, including perennial species can dramatically benefit various cropping systems

and Mark Terpstra, president of Marks Seed Company, Perry, IA, who will explain how to achieve phenomenal soybean yields, 80- plus bushels per acre, by using technology to manage cyst nematode populations and help control other diseases. Highlights of field research conducted at the station will also be presented. Ben Holland, Extension Feedlot Specialist at SDSU, will speak about beef cattle research results and this summer's feedlot expansion. Bob Thaler, Extension Swine Specialist at SDSU, will talk about lowering nursery barn utility costs, antibiotic effect on gut microbe populations

and the effect of reducing particle size on pig performance. Bob Berg, Southeast Research Farm Manager, will summarize experiments designed to maximize corn and soybean yields, evaluate performance of a wide range of soybean maturity groups at various planting dates, plus an integrated crop and livestock project using forage sorghum and corn silages and an Animal Waste Management System designed by the USDA Natural Resource Conservation Service. For more information contact, Bob Berg at robert.berg@sdstate.edu, or Ruth Stevens at ruth.stevens@sdstate.edu or call 605-563-2989.

## BAILEY

From Page 1

doctors in New York," she said. "They did an x-ray, and that's when my back started looking like an 'S'." One source of the pain was the added pressure her curving back was causing on her lungs. Simply inhaling enough air while competing in sports was becoming a challenge.

Specialists discovered that the curve in her spine was 56 degrees in her upper back and over 20 degrees in her lower back.

The New York doctors sent Bailey home with a back brace that she wore all during her freshman year at VHS. "I played basketball that year, too - I didn't play with the brace on; you had to wear it 22 out of 24 hours each day. Coach (Nick) Mayer, who is now our varsity coach, was our freshman coach that year. He knew I was going through that pain, and he played me, but I had to come out for many breaks. And that's when I told my mom that it was time."

Bailey's parents took her to see a back specialist in Sioux Falls. New tests revealed the curve in her spine was worsening, and had grown to 70 degrees in her upper back and 56 degrees in her lower back.

"I watched this happening the whole time, and it's pretty frustrating when you can't do a whole lot about it," Bill said.

In May of 2009, Bill and Kelly took their daughter to the Twins Cities Spine Center in Minneapolis, MN, to undergo the needed surgery.

Without the surgery, "she could have functioned, but she would have been in a lot more pain," Bill said. "From a pain standpoint, it was putting such a strain on her body that when she would do any activity, she couldn't hold out very long because her muscles were so weak and in different proportions than the rest of us. Her body mechanics were causing her too much pain."

The surgery was a difficult ordeal for the entire family. "Just watching my wife deal

with it all - I didn't think she would make it," he said. "I remember the trip going up to Minneapolis. We had time to go out to a restaurant for one last meal together. We just said to her 'where do you want to eat?' and I can't even imagine what was going through the kid's mind at the time."

Surgeons used portions of bone they clipped from Bailey's vertebrae to fuse part of her spine together. "The back is all twisted, so they take these two rods, and with some screws and some clips, they actually pulled part of her vertebrae over - almost like a hand pulling the spine together - and then they tie it in with these two rods," Bill said. "The bone they clipped off is basically used as a glue, and the bone actually ends up forming more bone."

When Bailey returned home, her brother immediately noticed one significant change caused by the surgery. She was three inches taller.

"He just looked at me and went, 'Whoa,'" Bailey said with a grin.

During the summer of 2009, she couldn't participate in basketball camps and could only watch her friends play. "That was kind of hard, to just watch," Bailey said, "and the doctors said you have to have six months of recovery, so I missed my sophomore year of volleyball."

As her recovery progressed that year, she began dribbling a basketball on a court while taking lessons from Coach Chad Lavin. "That's what got me started in basketball once again."

She was able to resume playing basketball competitively for the Tanagers while a sophomore. "It was a little scary. When we started out practicing that year, I was a little timid. They could tell. But, I stayed more outside, so I wouldn't get bumped into as much," Bailey said. "It was a little hard, but I just kept icing and heating (my back) and keep my muscles so they wouldn't get so tight."

One source of Bailey's growing confidence during her high school years has been the insight she's received from others who have undergone similar health challenges.

"I received an e-mail from a woman who is 33 now, and she said, 'I had this surgery, too, but I was too scared to go out for sports.'"

"I was nervous, too, but I love basketball, so I told my coaches I was going to come back. There was a chance that I couldn't have, but I practiced a lot and worked a lot in the gym to catch up."

Nick Mayer, head coach of the Tanagers girls team, is more than happy with Bailey's decision to press on.

"It's been nothing but a positive approach on her part," he said. "She's got a great attitude, and this was obviously a life-changing surgery for her, but she really has put a positive spin on it. She said she'd be back after rehab, and that she would be taller."

"That attitude right there really separates Bailey from a lot of people," Nick said. "That constant, positive attitude, and the idea that she wasn't going to let her back problems and surgery stop her from doing what she loves to do, which is compete. She's a great competitor, and she does a lot of great things for us. She has really overcome insurmountable odds to be able to be where she's at today."

"I have restrictions, because my back is fused," Bailey said. "I can't twist as much as others, or go after the ball as much. I can move my lower back, but the whole top is fused, so it's a little hard to twist."

"She has the most perfect posture now," her step dad said. "Even when I get in her car, her seat is so straight - you know how most of us are slouchy - but hers is perfectly straight but she doesn't know any better because that's just the way she is."

"When you compare before the surgery to after her surgery, her options were limited before," Bill said. "She was in pain until after she had the surgery. And she likes basketball, and she's definitely worked hard at it."

"She can do just about anything that anyone else can do now, except she's not supposed to skydive," he said, laughing, adding there are certain twisting actions that she can't perform while on the basketball court.

She makes up for physical

limitations caused by the surgery with sheer determination.

"I can't imagine the pain she was going through right after her recovery, with those two rods in her back," Nick said. "And she never complained about. She always has a positive attitude. It just shows what kind of kid she is."

Plus, she's a valuable member of the team roster.

"She's always been a good shooter; even before the surgery, she could shoot the ball," Nick said. "She just continues to work on her game. Defensively, she has improved a lot, and she moves so well without the basketball. She's a very savvy player, she understands the game - she does a nice job of getting her teammates open and looking for her open shot."

"Most of those things you can't teach - you've either got it, or you don't, and she's got it," he said.

Bailey said she loves being part of a team sport, and the performance of the Tanagers in her final season of high school basketball has made the experience particularly rewarding.

"It's fun to see what we can do, and this season has been incredible," she said Monday. "We've only lost one game, and it was a close one, too, against Parkston. It came down to the wire."

Bailey said she is willing to reach out and communicate with people who must face the same challenges she has. "I'd be happy to talk to anyone, because people talked with me who went through the surgery, too, and I contacted them, and they helped me get through it. They told me what was coming - they wouldn't lie to me - and my mom talked to other moms who went through it."

"They weren't easy on her, too," she said. "They told her what was coming."

Bailey admits that pursuing athletics has remained a challenge, and at times, it's been a discouraging pursuit.

"It's hard. Some days I just want to quit, because it hurts," she said. "But there's still something inside of me that doesn't want to."

Young girls facing the challenges of scoliosis may reach out to Bailey. Email her at Bailey.Carlson@hotmail.com.

## FORUM

From Page 1

years old, the Keystone pipeline already has seen leaks due in part to shoddy workmanship and low-grade Chinese steel.

One of these occurred in North Dakota and resulted in more than 500 barrels of tar sand leaking out, he said.

"It's not a case of if it's going to leak, but when it's going to leak, and we don't want it to leak here," Maurstad said.

Economics professor Dr. Dennis Johnson described tar sand as being a dirtier form of crude that contains more carbon.

"It's basically mined, dug, but to transport it through a pipe, what's done is to mix that with other elements, which reduces it to a consistency ... so that the actual oil sent through the pipeline is not much different than the usual crude oil that goes through," he said.

Carrels classified the material flowing through the tar sand pipelines as being "very problematic" in that it is harder on pipeline joints and valves due to the level of quartzite it contains.

"We haven't figured out how to deal with this stuff," he said.

Johnson countered that potential problems could be negated through a carbon tax.

"From my perspective, there is a problem with environmentalists in general," Johnson said. "It seems to me that environmentalists often engage in scare tactics. Unless

we engage in some sort of extremely dramatic action now, the world is in danger, and you must buy my answer."

Moderator Richard Muller responded, "Excuse the pun, but you don't think the oil companies are blowing as much smoke as the environmentalists in the opposite direction?"

Johnson replied that the oil companies make a "convenient whipping boy" for their opponents.

"They're only profitable because we want what they produce. If you didn't want it, if I didn't want it ... their power dissipates," he said.

Johnson spoke of moving away from carbon-based fuels, but added, "That should be an orderly, market-type of process."

"It's hypocritical to think we can go off oil immediately, but we need to begin an expeditious transition sooner, not later," Carrels acknowledged.

Chemistry professor Howard Coker said the ultimate solution may lie in solar energy.

He added that even despite potential pipeline issues, most people would opt not to make a change in the way they currently live their lives in terms of energy consumption.

"As the cartoon (character) Pogo has said, 'We have discovered the enemy, and he is us,'" Coker said.

The conversation took place under the title "Stop Canadian Oil?" and was the latest in a series of International Forums held at the University of South Dakota.

**Blackburn Basement Systems**  
Waterproofing & Repair  
**Basement & Foundation Specialists™**  
**Wet Basement? Basement Wall Bowed? Foundation Settling?**  
\*Free Estimates \*Financing Available  
**Toll Free 1-800-392-3389**  
www.blackburnbasementrepair.com

**sudoku Solution**  
© 2008 KrazyDad.com

5	1	7	4	8	3	2	9	6
3	9	2	5	6	1	4	7	8
4	8	6	7	9	2	3	5	1
8	2	3	6	1	9	5	4	7
1	7	5	3	4	8	6	2	9
6	4	9	2	7	5	8	1	3
2	6	4	9	3	7	1	8	5
9	5	8	1	2	6	7	3	4
7	3	1	8	5	4	9	6	2

1	2	3	4	*	5	6	7	8	9	*	
10	*				11						
12				13				14		15	
			16							17	
	18	19					20			*	
21		*						22			
23								24	*		
25			26					27			
28					29	30	31	*			
	32	*			33				34	35	36
			37	*	38			39			
40											*

The identity of the featured celebrity is found within the answers in the puzzle. In order to take the TV Challenge, unscramble the letters noted with asterisks within the puzzle.

- ACROSS**
- Role on "The Middle" (2)
  - "Focus"; 2002 film for Willem Dafoe
  - Firing of guns in a military salute
  - Leoni
  - "Girl Friday"; 1940 Cary Grant movie
  - "Celebrity ... Get Me Out of Here!"
  - "America's ..."
  - Actor Nicholas
  - Diet drink of old
  - "Our"; series about Spanky and Alfalfa
  - "My Children"
  - Furry TV alien
  - "dead people"; Cole's line in "The Sixth Sense"
  - British slammer
  - Cobb and Burrell
  - Role on "CSI" (2)
  - Crossword answer's direction: abbr.
  - Mavericks' org.
  - "The Man Who Never" (1966-67)
  - China's Chou
  - Brooches
  - "Rookie Blue" actor (2)
  - "Wagons"; 1994 John Candy movie
  - Initials for the star of "Barney Miller"
  - Misfortunes
  - "Easy ... Go"; 1967 Elvis Presley movie
  - Entertainer Don
  - Viewpoints
  - Choke
  - Lacquered metalware
  - "... season to be jolly ..."
  - "The"; 1976 Clint Eastwood film
  - Lady
  - "Always Sunny in Philadelphia"
  - Liza Minnelli's sister
  - B'rith; Jewish service org.
  - Wading bird
  - Actress Ming
  - Actor Wheaton
  - Jillian
  - 90 degrees from ENE
  - Tom Hanks' age
  - "Magnum, ..."

**Nick Cannon Solution**

S	T	R	A	I	N	S	T	I	N	E
N	E	I	A	I	P	I	N	S		
A	C	R	N	B	A	M	A	S		
A	R	I	B	R	I	N	S			
G	A	I	O	L						
L	I	S	E							
A	L	L								
S	E	G								
G	A	T	T	O						
L	N	E	I	A	I	P	I	N	S	
L	A	M	A	S						
O	A	T	A	L						
R	A	N	K	I	C					

**DOWN**

- "Actress"; '05 sitcom
- McClanahan
- "Death ... Funeral"; 2010 Chris Rock movie
- "Mercy"; 1986 Richard Gere film
- "Whose Line ... Anyway?"

See a specialist here at home

**Marian Petrasko, MD**  
Cardiology

**Allergy and Asthma** R. Maclean Smith, MD  
**Cardiology** Marian Petrasko, MD  
**Ear, Nose, Throat** David Abbott, MD  
**Gastroenterology** Kevin Preston, MD  
**Hematology/Oncology** Kamran Darabi, MD  
**Mental Health Counseling** Michelle Hinseth, MSW  
**Neurology** Jerome Freeman, MD  
Bassel Salem, MD  
**Orthopedics** Jason Hurd, MD  
**Podiatry** Terence Pedersen, DPM  
**Urogynecology & Female Pelvic Medicine** Kevin Benson, MD  
**Urology** Christopher Hathaway, MD

For more information, call (605) 624-2611.

sanfordvermillion.org

**SANFORD**  
Vermillion