THE PRESS & DAKOTAN WEATHER CENTER

Yankton's Forecast Saturday Increasing



cloud cover. late flurries Wind: SE, 20 to 30 High: 40° Low: 7°

Sunday

Snow continues, colder

Wind: SE, 5 to 15 High: 21° Low: -2°

Monday

even colder Wind: SE, 5 to 15 High: 12°

Low: 6°

A few clouds,

Tuesday

skies Wind: SE, 0 to 10 High: 23°

Partly cloudy

Wednesday



High: 33° Low: 24°

Low: 12°

Scattered

Yankton Almanac

Temperature Yesterday's High / Low 57° / 32°

Normal Low Record High 63° in 1921 Record Low -32° in 1892 Last Year High / Low **Precipitation**

Yesterday's	.00"
Month to date	.04"
Year to date	.04"
Avg.year to date	.28
Maximum this date .18"	in 1978
Yesterday's snowfall	.00"
Total snowfall for season	9.5"
Maximum this date 4.0"	in 1996

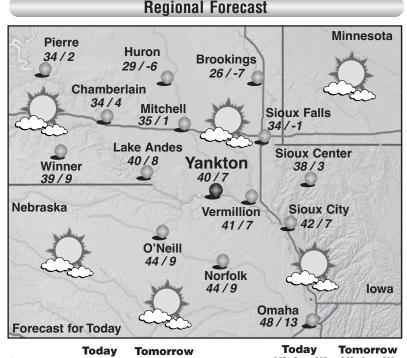
Sun and Moon

				_
	Sur	nrise	Su	nset
Today	7:55	AM	5:26	PM
Tomorrow	7:55	AM	5:27	PM
	Mooi	nrise	Moo	nset
Today	11:55	AM	1:29	AM
Tomorrow	12:30	PM	2:27	AM
)	
Full	Last	New		First
Jan. 27 F	eb. 3	Feb. 1	0 Fe	eb. 17
Maps & Fore	ecast P	roduce	d by:	



DayWeather, Inc. www.davweather.com

Weather key: su-sunny, pc-partly cloudy, mc-mostly cloudy, c-cloudy, th-thunderstorms, sh-showers, r-rain, sn-snow, fl-flurries, w-wind



Torough	.0.	out	4 9			1			/	180	150 10	1 12/2	ALBO
		oda	_		norr				oda	_		norr	
S. Dakota	Hi	Lo	W	Hi	Lo	W		HI	Lo	w	HI	Lo	w
Aberdeen	25	-9	рс	3	-19	ls	Vermillion	41	7	рс	20	-2	sn
Brookings	26	-7	рс	7	-14	sn	Watertown	26	-8	рс	2	-18	ls
Custer	35	14	рс	27	6	Is	Winner	39	9	su	23	1	Is
Deadwood	32	10	рс	21	4	Is	Iowa						
Mobridge	27	-3	рс	6	-14	ls	Des Moines	48	9	рс	20	1	Is
Huron	29	-6	рс	11	-14	sn	Sioux City	42	7	рс	20	-2	sn
Mitchell	35	1	рс	15	-9	sn	Nebraska						
Pierre	34	2	рс	15	-3	ls	Norfolk	44	9	рс	23	1	ls
Rapid City	34	7	рс	20	4	Is	Lincoln	50	14	рс	26	6	рс
Sioux Falls	34	-1	рс	13	-9	sn	Omaha	48	13	рс	23	3	рс

		Nat	iona	ıl For	eca	st				
	Т	oda	у	То	Tomorrow			Monday		
Location:	Hi	Lo	W	Hi	Lo	W	Hi	Lo	W	
Anchorage	26	25	ls	31	25	ls	34	32	рс	
Atlanta	56	37	su	57	33	su	53	26	su	
Boston	46	35	mc	46	19	sh	30	12	рс	
Chicago	46	15	рс	22	9	ls	13	4	рс	
Dallas	64	42	рс	64	39	рс	52	37	рс	
Denver	55	22	su	46	17	pc	46	24	pc	
Detroit	41	20	рс	25	14	рс	19	9	İs	
Green Bay	36	5	ls	10	-2	рс	6	-6	рс	
Houston	65	43	рс	66	46	рс	62	41	рс	
Kansas City	54	22	su	35	14	рс	24	15	рс	
Las Vegas	61	37	su	60	38	su	61	40	su	
Los Angeles	80	47	su	80	48	su	79	48	su	
Miami	77	65	sh	78	65	sh	78	59	sh	
Minneapolis	34	-4	ls	6	-9	ls	-2	-12	рс	
New York City	46	36	рс	43	27	рс	34	24	İs	
Philadelphia	48	33	рс	43	27	рс	34	25	ls	
Phoenix	75	46	su	75	45	su	75	47	su	
San Francisco	62	46	su	63	46	su	63	47	su	
Seattle	41	31	fg	42	30	рс	42	35	рс	
Tampa	76	59	sȟ	76	56	pc	74	50	pc	
Washington, D.C.	46	33	su	46	27	рс	37	25	İs	
Livestock	(Oı	ıtlo	ok	D (N	lilita	ary Ab	roa	d	

Livestock Outlook

Partly to mostly cloudy skies with late flurries are expected today. Snow showers continue on Sunday Baghdad, Iraq 66 50 pc with temperatures becoming significantly colder.

Gavins Point Dam

duvillo i dii	it Dain
Lake Temperature	33
Lake Elevation	1207.56
Discharge	14,000 cf
Tailwater	1157.18

Today Location: Hi Lo W Diego Garcia 83 82 th Doha, Qatari 71 64 pc Frankfurt 27 20 pc Kabul, Afghan. 27 9 pc Kuwait City 69 56 pc Seoul, Korea 30 6 pc Tokyo, Japan 40 31 pc

USD Researcher Explores Flu Strain Causes, Origins

VERMILLION — As the influenza virus continues to spread rapidly across the country, infecting millions of people from coast to coast, a University of South Dakota researcher is working to help scientists predict the severity of lethal flu strains to better prepare for future outbreaks.

Victor Huber, Ph.D., assistant professor of Basic Biomedical Sciences at the University of South Dakota Sanford School of Medicine, suspects that certain proteins on the surface of the virus are contributing to secondary bacterial infections, which are a leading cause of death after influenza infection.

Huber's research focuses on keeping track of changes in the flu virus so public health workers have an earlier warning that a more lethal strain may be developing.

One potential reason for the severe secondary bacterial infections associated with these H3N2 influenza viruses could be the specific proteins that are expressed by these viruses," said Huber, who earned his Ph.D.



Huber

from the Medical College of Ohio in 2001. "In our lab, we are attempting to identify the viral proteins that contribute to severe secondary bacterial infections. Our goal is to ultimately be able to use surveillance of influenza viruses to predict the severity of these secondary bacterial infections, which would allow us to more rapidly identify when these

viruses are present.

Huber's research also includes developing vaccines that will protect against multiple viruses within a single influenza virus subtype, for example H3N2.

We are specifically interested in developing vaccines that will protect against viruses that circulate within both humans and pigs so that we can limit the interspecies transmissions that are often associated with pandemic events," he added.

Huber stressed that vaccination remains

the best prevention against influenza and noted that the viruses currently circulating demonstrate sensitivity to antiviral drugs like Tamiflu. Unfortunately there might not be enough medicine to treat everyone if a virus goes global.

The current situation has public health officials concerned because these supplies are being stretched to the point of some countries already accessing their emergency reserves," he explained. "Since influenza viruses are contagious and can be spread through contact with droplets from infected people, additional ways to limit the spread of this virus include washing hands, covering mouths when sneezing or coughing, and staying home when you feel sick.'

Huber's USD lab receives funding from the National Institute of Health, and his work is performed in collaboration with the St. Jude Center of Excellence in Influenza Research and Surveillance and South Dakota State University.

ON THIS DATE

75 YEARS AGO

Wednesday, January 19, 1938
• The South Dakota Free Library commission at a meeting here voted to place a traveling library known as bookmobile, in service soon, J. F. Hines, chairman of the commission, announced.

 An unusually interesting meeting of the Kiwanis club was held Tuesday noon at Hotel Yankton. On the program was an orchestra, composed of the six children of Dr. and Mrs. George E. Johnson. Two feature numbers were a violin solo played by 11 year old Gordon Johnson and a demonstration of the Big Apple by George, Jr. The orchestra was directed by Prof. H. W. Wenzel, of Yankton college.

50 YEARS AGO

Saturday, January 19, 1963 · Fire today destroyed the grade and high school building on the General Beadle Teachers college campus here (Madison). The fire, detected at 7 a.m.

Girl Scout religious award presented by Father Thomas Kosuth at Holy Trinity church. Mary Lou is the first Hartington Girl Scout to receive this award. The Marian award has been designed to help in the spiritual enrichment of girls.

25 YEARS AGO

Tuesday, January 19, 1988 Rep. Doug Bereuter urged the Nebraska Department of Roads Monday to keep an open mind regarding public ferry boat service between Niobrara and Springfield. A study is to determine whether it is feasible for Nebraska and South Dakota to use a portion of their highway trust funds to purchase and operate a car ferry on the Missouri River between Highway 12 near Niobrara and Highway 37 near Springfield.

• A video lottery will generate at

least \$15 million a year for state government coffers, a state lawmaker said Monday. "Senate Bill No. 1 will allow the Lottery Commission to expand to a video lottery in order to react to changing market conditions, while at the same time bringing in a considerable amount of revenue for our state," said Rep. John Sears, R-Rapid City.

ET OF THE WEEK

The Heartland Humane Society has the following pet available: Fen is a 1 1/2-year-old boxer

mix looking for a friend. Fen does great indoors and enjoys playtime. He is house-trained and kennel trained. Adopt Fen this month for only \$50.

For more information, call (605) 664-4244 or e-mail hhs@midconetwork.com. Visit the Humane Societv's Web site at

www.heartlandhumanesociety.net.



CHICAGO (AP) - Grains futures mostly rose Friday on the Chicago

cents to \$7.9125 a bushel; March corn rose 3 cents to \$7.2750 a bushel; March oats rose 0.50 cent to \$3.5550 a bushel; while March soybeans slipped 1 cent to \$14.2925 a bushel.

on the Chicago Mercantile Exchange. February live cattle fell 1.65 cent to

rose 0.50 cent to \$1.4635 a pound; February lean hogs fell 0.60 cent to 85.35 cents a pound.

rested Thursday for having unautho-

rized articles in jail — drugs.
• Tiffany Lemon, 18, Yankton, was

arrested Thursday for false reporting,

reckless driving, and ingesting or inhal-

ing a substance to become intoxicated.

arrested Friday on a parole hold.

arrested Thursday as a runaway.

Travis Madson, 31, Yankton, was

A 14-year-old Yankton male was

A 14-year-old Yankton male was

· A 17-year-old Yankton male was

arrested Thursday for disturbance of

arrested Thursday for probation hold.

CRIME STOPPERS

mous information on unlawful activity in

the City of Yankton or in Yankton

County is encouraged to contact the

Crime Stoppers tip line at 665-4440.

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BOARD OF TRADE

Board of Trade.

Beef and pork futures were mixed

Wheat for March delivery rose 10

\$1,2495 a pound: March feeder cattle

Rapid City

Sioux Falls

GAS PRICES

South	Dakota	gas p	rices for	Jan.
18, 2013:				
Mitchell			\$	3.152
Yankton			\$	3.149

DAILY RECORD

POUND COUNT

Several animals are available at the Yankton Animal Shelter. For more information call the Yankton Police Department's Animal Control Officer, from 8 a.m.-4 p.m. Monday-Friday at 661-9494, or 668-5210.

DAILY RECORD POLICY

The Press & Dakotan publishes police and sheriff reports as a public service to its readers. It is important to remember that an arrest should not imply guilt and that every person is presumed innocent until proven otherwise. When juveniles are released from jail, it is into the care of a parent or

guardian. It is the policy of the Press & Dakotan to publish all names made available in the police and court reports. There are no exceptions.

ARRESTS

· William Haneklaus, 41, Hudson, was arrested Thursday on seven war-

· Laura Haas, 26, Yankton, was ar-



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Water

From Page 1

same time are crop prices are very good and interest rates are very low," he said. "I think between those three things, you have the perfect storm. And there's a lot of interest in irrigating because of those.'

Duvall said the water right permits are necessary for commercial irrigation or the irrigation of any area more than one acre in size.

After receiving an application, the DENR typically will recommend approval if enough water is available and the permit does not interfere with other water rights. The application then undergoes public notice. If no one contests a permit, it will be issued by the

If an application is contested, will be considered by the state Water Management Board. The board's decisions may be appealed to the circuit court and

state Supreme Court. Duvall said that if the DENR recommends approval for an application, it is rarely contested. However, a small percentage are for various reasons, such as concerns about interference with domestic wells.

Despite the higher number of permit applications, Duvall said water availability is not an issue for many areas. However, the DENR is being cautious with a

few aguifers, he said. "There are some aquifers where we don't recommend approval of more water permits out of because we think we've reached the point where the amount of water being taken out is equal to the estimated annual recharge," he said. "We have a state law that essentially says

ECOWATER

SINCE 1925.

18

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that you can't take more water out of the aquifer than what the annual recharge is to the aquifer. In other words, you can't mine groundwater.'

In those cases, the DENR will recommend a deferral so that it can study the areas more closely.

One such area being investigated is the Upper Vermillion-Missouri aquifer. The DENR currently has six applications from Clay and Turner counties where it has recommended deferrals because it believes that the aquifer might be fully appropri-

"It may be possible that with this aquifer, you can induce more recharge to it from another aquifer that adjoins it — the Niobrara — but we need to take a look at that," he said.

Duvall added that since he believes the DENR is getting more water right permit applications for a combination of reasons, he is unsure if the trend will con-

"All I know at this point is, once we process the permits we've got right now, we'll have already exceeded everything we did in 2011," he said. "And we've got the whole year ahead of us yet to get more applications in."

You can follow Derek Bartos on Twitter at twitter.com/d_bartos





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destroyed the north section of the building in the next hour and ate into the auditorium in the central part of the structure. Mary Lou Berglund is being presented the Marian Medal, a Catholic LOTTERIES

FRIDAY'S RESULTS

2 BY 2: Red Balls: 17-23, White Balls:

MYDAY: Month: 7, Day: 19, Year: 64 PICK 3: 9-7-0 PICK 5: 01-16-17-21-28. Estimated

Press & Dakotan

THE DAKOTAS' OLDEST NEWSPAPER (605) 665-7811

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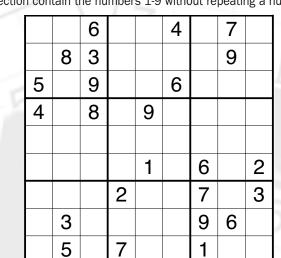
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PŘEŠŠ& DAKOTAN

Fill the puzzle so that every row, every column, and every section contain the numbers 1-9 without repeating a number.



CHALLENGING Yesterday's Solution

2 8 9

4 3 1 7 6 5 8 2

5 3

6 4 8 2 1 5

su do ku 4 5 1 6 8 2 9 3 4 1 6 7

> Check tomorrow's paper for the solution to today's puzzle. **INT BOOK 42 #1**

CH BOOK 42 #1



Use your smart phone to scan this QR Code to take you to our e-Edition. (Firefox is the preferred cell phone browser)