Fire chief works Forum: Detection important on building inspection plan to wage cyber-war defense

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One of the keys to fire prevention is ensuring that businesses and other public spaces are adhering to state and national safety codes.

However, this is not always as easy as it might seem.

That is why Vermillion's new fire chief, Richard Shannon Draper, is working on a plan that will find most of these places under inspection for fire hazards once every two years. "I want to work with the

business community," Draper said at an educational session with the Vermillion City Council in late February. "We're going to work with the business community so that we're all working toward this same goal of this safe environment."

While the fire department has educational programs in place for local schools and other public agencies, Vermillion currently is lacking in regular inspection, Draper said.

In going through the records, he found that only 32 inspections were undertaken in 2010.

"We should be inspecting all public spaces," Draper said.

While there is not enough manpower to inspect the individual places each year, Draper said it is possible to inspect some of them every two years, and the more hightraffic places on a yearly basis.

"What my plan is, is to divide it into high hazard or target occupancies and the others," he said. "That would be the bars, the hotels, the daycare facilities, theaters and educational (facilities)."

The state currently has inspectors who go through the schools from kindergarten through university level each year.

"I intend to participate in those, not to override that inspector, but to just be aware of what's going on in our community," Draper said.

In terms of businesses, Draper said there are several common code violations, which usually are present because the business owner doesn't know what the codes are to begin with. For example, some businesses don't have the required fire exits. 'There's a business in our community where the back door – which is the second means of egress – has a regular door lock on it. A regular handle and lock, and

"There's a business in our community where the back door - which is the second means of egress has a regular door lock on it. A regular handle and lock, and it's locked. He didn't know he was sup-

\$200 panic bar." **RICHARD SHANNON** DRAPER

posed to purchase the

it's locked. He didn't know he was supposed to purchase the \$200 panic bar," Draper said.

Other commonly-seen violations are improper occupancy, unsafe electrical practices and out-of-service suppression systems.

These are all things that I've seen just by going to lunch with people in the community," Draper said. "The most common fire hazard that we have is poor housekeeping. These are things that can be fixed right on spot. There's no need to write up violations or anything, but the inspectors would correct this right out."

Another problem is the improper use of electrical products or flammable and combustible liquids, Draper said.

"This would be what that fire (at Midwest Ag) two weeks ago," he said. "If we would have had an inspection program, I can't say for sure that fire would not have occurred, but I'm pretty sure it wouldn't have. We would have caught those violations, we would have corrected them with the owner, and we would have put them on the path of a safer practice."

Draper suggested holding the first inspection of a business free of charge. If there are violations, the business owner will be told how to correct them.

The inspectors will come back 30 days later, and if the corrections have not been made, the business owner

By Travis Gulbrandson

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As more data is uploaded to computer networks around the world, more of modern warfare may be conducted in cyberspace.

However, while cyber warfare may have an effect, it won't necessarily have an enduring result, said Lt. Col. Damian Donahoe, senior military science instructor at the University of South Dakota.

"(Cyber warfare) has a method that may be used to prevent something from happening or slow something down, but in and of itself, it usually doesn't out and out destroy something," Donahoe said.

These statements were made during an international forum called, "Are We Ready for Global Cyber War?" which took place at USD Monday afternoon.

One recent example of cyber war took place in Iran, where an attempt was made to slow down that nation's uranium enrichment project.

"What we've seen with Iran is, obviously, they've done some things and worked around it, and they're starting to rebuild their capability. That's one of the things," Donahoe said. "Cyber warfare is kind of a support function. In and of itself, it's not the end, it's the means that might help you get some immediate results."

Part of the reason for this is expense, said Joe Reynoldson, information technology security officer for the University of South Dakota.

"It turns out that that's not a cheap way of doing things, and it's certainly not the way that things are tackled most often," he said. "Most often, it's these simple attacks against users. Instead of trying to launch a frontal assault against our servers, they simply get into a user account ... do some reconnaissance and knock that system out."

Even though much of what could be termed "cyber warfare" has limited longterm effects, Miguel Penarada, cyber security analyst for the state of South Dakota, said major problems can still arise due to the sheer volume of data that is stored electronically - including Social Security information, user names, passwords and e-mail addresses.

"Data can be collected very easily," Penarada said.

This illegal data collection becomes easier as advances in technology helps modern computer viruses go through the "air gaps" created to protect servers,



Lt. Col. Damian Donahoe, Miguel Penarada, and Joe Reynoldson discuss cyber warfare during Monday's noon international forum held on the USD campus.

Reynoldson said.

"Modern malware can cross the air gap these days, so just because the system is not plugged into the Internet doesn't mean that it can't still get infected," Reynoldson said.

The U.S. government has collected approximately 20 security controls to protect against these kinds of attacks, some of which are used at USD, Reynoldson said.

"There are a number of things on there, including keeping an inventory of devices, keeping secure configurations of your devices, performing boundary defense," he said. "The important thing in the training that I did recently that they brought up time and again is that the offense has to inform the defense.

"The idea is that you need to be watching ... in order to defend against it," he said.

Donahoe agreed, saying the military is constantly looking for cracks which could compromise its computer systems.

For example, USB drives are not permitted for use on military computers, and their networks are detected by the computers automatically, Donahoe said.

To this point, Reynoldson added, "Prevention is ideal, but detection is a must."

"The idea is not that you expect to block all possible attacks," he said. "The idea is that you at least know an attack is happening or succeeding against you so that you can react to it."

One thing Reynoldson hears complaints about in his position is the number of spam e-mails people on the USD server receive.

(Photo by David Lias)

While many of the messages pass through the spam firewall, most do not, he said.

"If you were to see the graphs and could see a day where we have 250,000 inbound email messages," Reynoldson said. "We delivered less than 20,000 messages that day. We're delivering less than 10 percent of the e-mail that's actually coming in. The rest of it's being blocked.

"Essentially, you can consider each one of those messages to be an attack, because it is possible that any one of those might be a phishing message designed to steal your ID and your password," he said.

USD recently implemented some new network access controls to prevent this kind of activity.

"It's actually able to look at traffic on the network and determine if a system is unhealthy," Reynoldson said. "In particular, we pick out any systems that have Trojans, (which) are designed to steal your information, and possibly control of your system. So we have systems in place to watch for that kind of traffic and block it from the network."

The international forum was sponsored by the Beacom School of Business, and was moderated by Benno Wymar.

11 vie for 2013 S.D. State Spelling Bee title at USD

Eleven students will compete Saturday are: Carolyn Blaha, for a trip to Washington, DC 13 Scripps National Spelling Bee at the University of South Dakota at 10 a.m. on Saturday, March 23. The South Dakota State Spelling Bee at Farber Hall on the USD campus will be streamed live by Coyote News at http://ustream.tv/channel/Coyo te-News and features 11 students who qualified by finishing as a top speller at regional competitions throughout the state. Students participating

seventh grade student from Wagner Community School,

Region; Max Oesterling, eighth winner receives a Merriamgrade, Rapid City Region; Maria Webster's Collegiate Dictionary. bry, eighth grade, Sioux Falls Region; Genesis Reynolds, seventh grade, South Middle School Rapid City; Maddy Gillett, eighth grade, Sioux Falls; Connor Lightfield, eighth grade, Milbank Middle School, Watertown Region. The State Spelling Bee winner will advance to the Scripps National Spelling Bee in Washington, DC, May 26-31. In addition to transportation and accommodations for the student and a parent, the

The Scripps National

would be charged \$25.

If the corrections have not been made within three visits from the inspectors, the business owner would be charged \$100, Draper said.

"(The inspections find) the most common violations, and most of them are handled by just talking with the owner," he said. "These businesses, if they haven't been told, then they're not really sure."

Mitchell Region; Lexis Sherron, eighth grade student from the Sioux Falls Region; Whitney Fuerst, eighth grade, Tripp-Delmont (Mitchell Region); Adele Benoit, seventh grade, Yankton Sacred Heart Middle School (Vermillion Region); Emily Fox, seventh grade, Spearfish Classical Christian School (Rapid City Region); Luke Norby, third grade, Dakota Valley Elementary School (McCook Lake), Vermillion

Spelling Bee is administered on a not-for-profit basis by the E.W. Scripps Company and local spelling bee sponsors in the United States, American Samoa, Guam, Puerto Rico, the U.S. Virgin Islands, and Department of Defense Schools in Europe; also, the Bahamas, Canada, China, Ghana, Jamaica, Japan, New Zealand and South Korea. The competition is open for students in first grade through the eighth grade.

CHURCH SCHEDULES

BERGEN LUTHERAN Church: 'The little white church on Tim-Road." Worship 10:30 ber Sunday School 9:15 a.m. a.m. Pastor Ralph Egbert

Blessed Teresa of Calcutta Catholic Church, 995 N. Sioux Road, Dakota Dunes, Point SD. Weekend Masses: Satur-4:30 p.m.; Sunday, 9:30 day, a.m. and 5:30 p.m.

BRULE Creek Lutheran Church, Elk Point, SD: Worship Service 11:00am, Sunday School 9:45am to 10:45am.

CHRIST OUR SAVIOR Wisconsin Evangelical Lutheran Worship Sunday 6:00 Synod: Study Bible Tuesday, p.m., Neuharth 9:00 p.m., Center, 624-5398 or 1-800-998-1234

CHURCH OF CHRIST, 102 Prosp: Sunday Worship 10:00 a.m.; Bible Study 9:00 a.m.; Bi-Study 12:00 noon; ble Night Wednesday Classes, 7:00 p.m.

Concordia Lutheran Church (LC-MS) 7 South University Street, Vermillion. Divine Service - Sunday, 10:30 a.m.; Sunday School - Sunday, 9:20 a.m. Pastor Samuel Needham.

CORNERSTONE CHURCH: Located at the corner of Crawford & Cherry St. Celebration Service: Sunday 9:00 or 10:30am; During school year: Impact for Kids (5-11), Wed -6:00pm-7:30pm; For more information Check us out at Cornerstonesd.org or (605)624-8809.

DALESBURG BAPTIST **Church** 30503 466th Ave., Pastor Darren Re-Beresford, gehr. 9:45am, Sunday School; 11:00am, Morning Worship; Wednes-Services Mid-week days, 7:00pm. (605)253-2622.

Dalesburg Lutheran Church: 12 miles North of Vermillion on University Road. Worship 9:15 a.m. Services Sunday School 10:45 a.m. Website: www.dalesburglutheran.org

Church. Elk Point Baptist Sunday worship at 11:00am, Tuesday evening Bible study at 7:00pm. 101 North Green Elk Point, St.. SD 57069. (605)222-1981

FAITH FELLOWSHIP of the Open Bible on Bypass 50 and Highway 19: Sunday Celebration 10:30 a.m. Pastor Tony Armbrust. 624-2921.

FAITH LUTHERAN CHURCH: 401 Main Street, Makell, NE. Worship: 10am. Sunday School: 9am. Communion: 1st 3rd and Sundays. (605)658-0240 (home) (402)-692-3323 (church).

Lutheran Faith United ELCA, 44874 303rd Church, St/Po Box 168, Volin, SD (605)267-2277. 57072. Sunday Worship: 9:30am with Holy Communion the 1st & 4th Sundays. WOW Wednesday program beginning at 6:30pm for all children 3 yrs old - 7th confirmation grade, and classes for those in grades 8th & 9th.

FIRST BAPTIST Church Elmer "Sandy" Aakre, Pastor 624-6391 624-4658 home. Time: 9:15 Sunday church. School, 10:30 Worship. Sunday Choir Practice, 11:50 a.m.

GAYVILLE LUTHERAN Church: Sunday School 10:15 a.m., Worship 9:00 a.m. Pastor Ralph Egbert.

GOSPEL CHAPEL Church, 708 Jessie St./Highway 12. Sunday Newcastle, NE. 9:30 School, a.m.; Sunday 10:30 a.m.; AWANA worship Wednesday at p.m., 402-355-2305. Pastor Chuck Myers, 402-355-1335.

GRACE BAPTIST Church, SBC, Pastor Steve Ford, 1102 Main. Phone 624-4949. Adult's and Children's Sunday School 9:30 a.m. Sunday Worship 10:45 a.m. Prayer Meeting Wednesday Night 7 p.m.

HILLSIDE COMMUNITY CHURCH (C&MA) 1800 Constance Dr. West on Cherry just before you go down the hill. Worship Sept.-May 10:30a.m., May-August 10a.m., AWANA Sunday School small groups. 6 0 5 - 6 2 4 - 4 8 6 2 , www.hillside-cc.com

IMMANUAL Lutheran Church, Elk Point, SD: Worship Service Sunday 9:00 a.m., School 10:00 a.m.

KOMSTAD COVENANT Church, Rural Beresford and Centerville, SD: Matt Styles, Pastor. 18 miles north on University Road. Phone 563-2402. School 10 a.m., Wor-Sunday ship Service 11 a.m.

PLEASANT VALLEY Lutheran Church, Rural Vermillion: Sunday School 9:45 a.m., Worship Service 10:30 a.m., Holy Communion First Sunday of every month. All welcome.

PROVIDENCE REFORMED Church, 830 Madison: Sunday School 9:30 a.m., Sunday Worship 10:30 a.m. "We Welcome You To Historic Protestant Worship And Fellowship."

ST. Church, 416 AGNES Walker St., Fr. John Fischer: St. Agnes Church and Parish Office, tele. 624-4478. St. Ag-Rectory, 505 Catalina, nes 624-1995. Mass schedtele. ule: 5 p.m. Saturday, 8:00 a.m. and 10:30a.m. Sunday, Weekday Masses - consult weekly bulletin; Sacrament of Penance, Saturday 4-4:45p.m.

ST. PAUL'S Episcopal corner of Main and Church, Linden. Sunday: nursery available. 10:00 a.m. Holy Eucharist. 11:00 a.m. coffee hour. Call 624-3379 for more info. The Rev. Rita Powell, priest.

UNITED CHURCH OF CHRIST CONGREGA-TIONAL, 226 E. Main St., Pas-Steve Miller. 10:30a.m. tor Worship Service. No Longer Stranger s www.uccvermillion.org



Sunday evening Experience at ONE HOUR is comprised of two primary elements: powerful worship and a life-changing message. Worship at ONE HOUR is led by a talented live band in a style that is consistent with todays culture and a relevant teaching message LifeChurch.tv's from senior Craig Groeschel, via pastor. video broadcast. The worship is intense and the teaching is challenging but the environment will be relaxed and casual. ONE HOUR on the USD Campus at the MUC, 6:30pm Sundays! www.one-hour.org

The Luther Center at USD: Life at the corner of campus and faith. Located at Cherry & Plum Streets, Vermillion. We worship weekly on Wednesday evenings at 8:30pm and host service and fellowship events throughout the year. Visit us online at www.luthercenter.org or find us on facebook!

Universalist "The Unitarian Uncommon Denomination." Services are the first and third Sunday of each month at 7 p.m. in the basement of the . United Church of Christ, 226 E. Main. Child care services and refreshments provided. All wel-Info: <u>www.unitarianver-</u> come. million.blogspot.com

Mead Lumber

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Vermillion First United The Methodist Church, a welcome place reaching out to all God's people. Located at 16 N. Dakota St. Adult Sunday School Sunday Worship 9am; 10:25am; Children's Church af-Children's Sermon ter (PreK-5). Welcome Table-servfree meal Mondavs ina Youth Group with 5:30-7pm. (Gr. 6-8) Meal Wednesdavs 5:30-7pm. High School Youth Group 7pm. Adult Choir Rehearsal 7pm. Praise Band re-8pm. Friday Morning Study and Breakfast hearsal Study Book (605)624-2179 Call 6:45am. for more info. Pastor Rick Pittenger.

Trinity Lutheran Church 816 E Clark St Worship Sched**ule**: Saturday evening: 5:30 PM and Sunday morning: 10:00 AM Radio broadcast: Sunday morning at 10 AM on KVTK Radio, AM 1570. Holy Communion celebrated each Saturday evening and the 1st and and 5th Sundays 3rd each month.Pastor Trisha Boese Facebook: Trinity Lutheran - Vermillion, SD

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