

Fairs offer plenty of everything

August is state fair month in Illinois, Indiana and Wisconsin.

IN TODAY'S WEEKEND SECTION



INDIANA STATE FAIR

NAPERVILLE SUN

\$1.50

FRIDAY, JULY 29, 2016

NAPERSUN.COM



COURTESY OF CARI CESAROTTI

Naperville North graduate Cari Cesarotti is researching dark matter this summer at CERN in Geneva, Switzerland. The Cornell University senior took time out of her schedule to hike in the nearby mountains.

Summer in Switzerland

Naperville North graduate works among world's top physicists

BY SUZANNE BAKER
Naperville Sun

Cari Cesarotti gets up from her desk in her office and points her computer out the window toward the Jura Mountains.

"This is what I see every day," the Naperville native said, speaking this week via Skype.

Cesarotti, a Naperville North graduate, is spending nine weeks this summer researching the universe's elusive dark matter with the NA62 project at CERN in Geneva, Switzerland.

CERN is the acronym, in French, for the European Council for Nuclear Research, and it is known for having the world's largest particle accel-



CERN

The image shows the rare kaon decay experiment at CERN, called NA62. The NA62 experiment is 886 feet long.

erator, which has a circumference of 16.8 miles. Fermilab's Tevatron in Batavia is 3.9 miles around.

Cesarotti, a senior physics major who will graduate from Cornell University at the end of the fall semester, is one of about 20 U.S. students participating in the University of Michigan's CERN Summer Research Experience for

Undergraduates Program. It gives U.S. undergrads an opportunity to conduct research with some of the world's leading physicists.

"Dark matter is one of the biggest challenges to modern-day physics," Cesarotti said.

Scientists looking at space have observed that gravity around objects sometimes doesn't react as it should.

Finding what causes these effects isn't easy because the matter is not visible, hence the term "dark matter."

It is estimated that more than a quarter of the universe is dark matter (68 percent is dark energy and less than 5 percent is observable matter).

The NA62 experiment, which beams high-energy protons from the Super Proton Synchrotron (not the infamous Large Hadron Collider) into a target, studies the decay of particles called kaons.

According to CERN, the results help physicists search for dark photons and check their understanding of the Standard Model, which mathematically explains how the basic building blocks of matter interact.

The problem with dark matter, Cesarotti said, is it doesn't interact strongly. "So if it doesn't interact, how do you know it's there?" she said.

Turn to **CERN**, Page 6

Huber fire an arson

Naperville man charged with crime

BY BILL BIRD
Naperville Sun

A 71-year-old Naperville man has been charged with arson in connection with the fire that destroyed the campsite home of self-styled political protester Scott Huber.

James Povolo, of the of the 1300 block of Dartford Court, is accused of approaching Huber's tent behind a

gas station at the southeast corner of Ogden Avenue and Naper Boulevard at a time he knew Huber wouldn't be there and setting fire to it at about 2 p.m. July 18, according to a joint news release issued by DuPage County State's Attorney Robert Berlin and Naperville police Chief Robert Marshall.

No details were released on what led police to Povolo, who was arrested Tuesday on a warrant for Class 2 felony arson. Povolo turned himself in at the Naperville police station and was freed on \$2,500 bail.

A motive for Povolo's alleged actions was not cited in the release. Berlin said the fire could have resulted in disaster.

"An open fire in close proximity to a gas station could have quickly turned into a very dangerous situation," Berlin said. "Thankfully, no one was injured."

Berlin praised Naperville police and firefighters "for their efforts in quickly getting the situation under control." He also cited Assistant State's Attorney Jae Kwon for his work in the investigation.

Marshall added he was "extremely proud of the work done by our detectives in this case."

No one answered the door Wednesday night at Povolo's house, and Povolo did not reply to a written note left there that sought comment on his arrest. He is scheduled to be in DuPage County Circuit Court on Aug. 30.

Turn to **Fire**, Page 6

New home, ex-Joffrey instructors for city's performing arts school

Big changes this fall for 26-year-old academy

BY GENEVIEVE BOOKWALTER
Naperville Sun

The School of Performing Arts in Naperville will have a new home and two new world-renowned ballet instructors when doors open to students this fall.

The 26-year-old dance, music and theater school is moving from its current home at 5th Avenue Station to new digs at 1112 S.

Washington St., across from Naperville Plaza Shopping Center.

The school will set up shop in an old bank building, which happens to be where the school first began in 1990. But where classes were once held in the basement, they now will be on the first floor.

"We needed better space. We've kind of outgrown the space we're in," founding Director Barbara Yokom said.

The new building also is more centrally located for students and their families, who travel from around Naperville and the western

suburbs for classes, Yokom said. More than 1,200 students study at the arts school, according to Naperville city reports.

Student demand is expected to grow this fall with the addition of ballet instructors Alexei Kremnev and Anna Reznik, former founding artistic directors of Chicago's Joffrey Academy and Joffrey Studio Company, who will helm the school's ballet program with their A&A Ballet.

Kremnev will serve as artistic

Turn to **School**, Page 4



DAVID SHAROS/NAPERVILLE SUN

NEIGHBORS

Mixing the old with the new

The 62nd annual DuPage County Fair runs through Sunday in Wheaton, featuring traditional fare along with new features. **Page 10**

SPORTS

Sainz Jr. wants second crack at PGA Tour

Former Larkin golfer Carlos Sainz Jr. sets record in winning Illinois Open, looks ahead to bid for PGA Tour card. **Page 16**



MIKE MANTUCCA/THE COURIER-NEWS



Feeling
overheated?

WALK-IN
CLINIC

Steer your
fevers and
coughs
our way.

Healthy Driven
Edward-Elmhurst
HEALTH

For wait times visit
EEHealth.org/walkin

Two locations in Naperville! In Jewel-Osco at 2855 W. 95th Street & 127 E. Ogden Avenue