



Students prepare for launch.

PHOTO BY ERIN BORLA

### BALLOON: Device was recovered by students in Maupin

*Continued from page 3*

Collins and Cal Allen of the Sisters Science Club, connected with SHS Science teacher Rima Givot last year. 2015 was the first year he worked directly with her chemistry classes.

"This year, the students have taken a more active role," says Peterzen. "It's been hard because we have only had two weeks to study, discuss and develop their experiments."

Last Wednesday, both Givot's chemistry classes met at Sisters Eagle Airport to launch their experiments with one of the smaller 600-gram latex balloons. Everything had to be right; the barometric pressure, the weather, the cloud cover, and the wind speed.

"This balloon we used today is significantly smaller than what I launch," says Peterzen. "The larger balloons could house the entire high school and take a 70-foot crane to place."

Those larger balloons have the capability to circumnavigate the planet. In fact, in June of 2006, ISTAR launched the first circumpolar balloon flight which measured the flux of the earth's

magnetic field.

Givot and her classes were hard at work on Wednesday putting the finishing touches on their experiments, checking the weather, taking notes, and readying the helium.

The high school's two different experiments went up around 9 a.m. from Sisters Eagle Airport.

The experiments were carried by the latex balloon and armed with a GoPro. The balloon traveled miles before it was collected by the "student retrieval team" near Maupin that same afternoon. Next week, the students in both classes will review the data collected and analyze it.

"This has been an opportunity for our students to apply the concepts they learn in class in a hands-on way," said Givot.

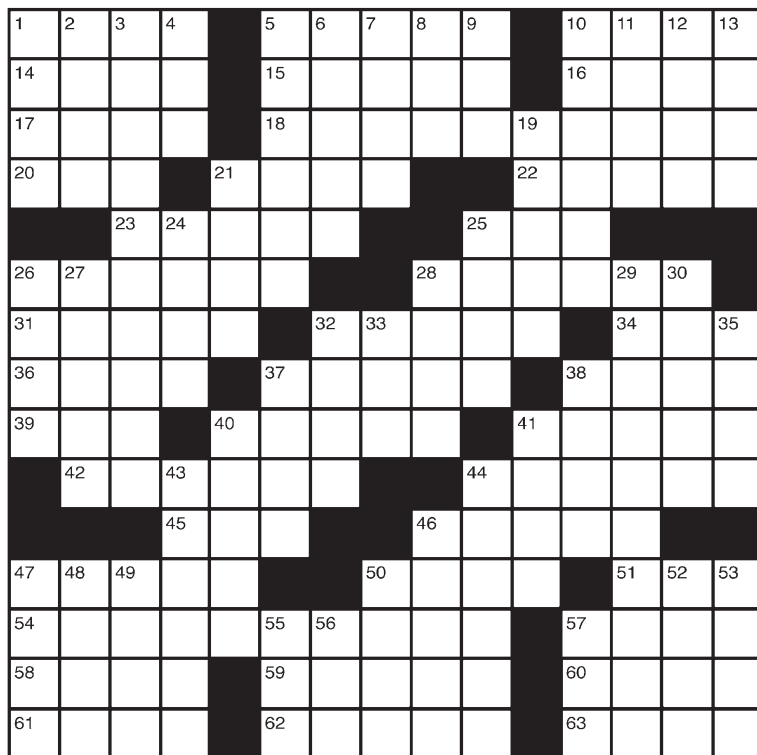
"It has been an amazing opportunity for student-directed research and to apply to real life what they have been learning in the classroom."

Recently, Peterzen has been working with Sir Julian Knott, a balloon historian from the United Kingdom. It is his hope that he can put together a team of students consisting of 10 Flemish students, 10 students from the United Kingdom and two high school students from Sisters to join him at a balloon launch from his base in Norway in September.

# The Nugget Newspaper Crossword

By Jacqueline E. Mathews, Tribune News Service

- ACROSS**
- 1 Small digits
  - 5 Eats
  - 10 Nagging pain
  - 14 "Been there, \_\_\_ that"
  - 15 Wear away
  - 16 Hoodlum
  - 17 Facts & figures
  - 18 Agreeing
  - 20 "Murder, \_\_\_ Wrote"
  - 21 Path
  - 22 Sty cries
  - 23 \_\_\_ up on; studies about
  - 25 \_\_\_-tac-toe
  - 26 Second chance to pass a test
  - 28 Flings
  - 31 Clear the slate
  - 32 Window covering
  - 34 Hawaii's Mauna \_\_\_
  - 36 In a \_\_\_; sulky
  - 37 One of the Marx Brothers
  - 38 Rob Reiner's dad
  - 39 Cheap metal
  - 40 Perch
  - 41 Diamond corners
  - 42 Get away
  - 44 Nightclub
  - 45 Tupperware top
  - 46 \_\_\_-frutti
  - 47 Yellow citrus
  - 50 Laundry soap brand
  - 51 NBC rival
  - 54 Modest
  - 57 Grain tower
  - 58 Sculptor's tool
  - 59 Prolonged attack
  - 60 "It is what \_\_\_"
  - 61 Not brand new
  - 62 Tacked on
  - 63 Office boo-boo
- DOWN**
- 1 Probability
  - 2 Ark builder
  - 3 Amuses
  - 4 Body of water
  - 5 Ten-year period
  - 6 Actor Jeremy
  - 7 Zero
  - 8 Ames & Begley
  - 9 Look at
  - 10 Lofts
  - 11 Goatee's place
  - 12 Handsome guy
  - 13 Breakfast order
  - 19 Racket
  - 21 Huron or Tahoe
  - 24 Direction
  - 25 Have nothing \_\_\_ with; shun
  - 26 Take a nap
  - 27 Kovacs or Els
  - 28 Diplomacy
  - 29 Stretchiness
  - 30 More miffed
  - 32 Oxford or loafer
  - 33 "A fool and \_\_\_ money are..."
  - 35 Additionally
  - 37 Lung disease, for short
  - 38 Group of actors
  - 40 \_\_\_ cats and dogs; pours
  - 41 Fisherman's hope



Created by Jacqueline E. Mathews

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### — Last Week's Puzzle Solved —



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5/5/16

- 43 Sign on a shop window at night
- 44 Moved a little
- 46 Slight coloring
- 47 Feast with a roast pig
- 48 At loose \_\_\_; unsettled
- 49 Labyrinth
- 50 \_\_\_ up; bound
- 52 Radar screen image
- 53 Mediocore
- 55 North American nation: abbr.
- 56 Prefix for day or section
- 57 Grab a chair

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