

Science Clubs at BSC and NASA



Astronomy and Physics Club

- Observations – stargazing
- Volunteering at Gateway to Science
- Moon observation



National Aeronautics and
Space Administration



NCAS

National Community College
Aerospace Scholars

National Community College Aerospace Scholars

ncas.aerospacescholars.org

Apply Today!

Applications due
November 14th

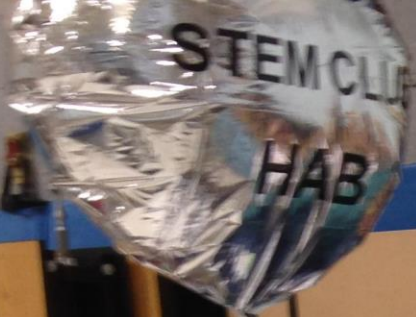


Student engagement (faculty engagement)

- *Students(faculty) want to do this on top of their academic work.*
- *Students (faculty) figure out how to work in groups*
- Working in a **club setting** has worked well for us but some structure will help. (We tend to scramblequite a bit)
- We are looking at possibilities to partner with other Institutions/High Schools
- We would like to have class projects e.g. digital electronics, communications using Arduinos etc
- Mike Holman and Bob Arso have started classes for Ham license

BSC Science Clubs

- Astronomy Club aka (Physics and Astronomy Club)
- Radio Club
- Robotics Club
- STEM Club



BISMARCK STATE COLLEGE AMATEUR RADIO CLUB



NOBSC

Official Club meetings 2nd Tuesday of September through April @ 4:00pm
 Activities all other Tuesdays @ 4:00pm
 Testing available after every Official meeting on 2nd Tuesday
 Info@NOBSC.ORG

Ask About Becoming A Member

- KE0ESG
- WB0SXC
- K6STS
- KC0TSU
- KE0LYV
- KE0LYW
- KE0MCG
- KE0MCH



1-Kenwood TS –480SAT



RigReference.com

2 Yaesu FT-817



2-Kenwood TH–D72A



2-Kenwood TM –D710GA



10-Baofeng UV-5R Plus



- Robotics is not an official BSC club but it has been pretty active for a while and they travel quite a bit.

-MICS Robotics and Programming contest

(Midwest Instruction and Computing Symposium)

-In 2012 BSC First Place in Robotics and Programming beating Juniors, Seniors and Graduate students









Conclusions

- Clubs have been a real positive force for good science at BSC
- Consulting between faculty advisors and scheduling staff together has helped the clubs work well together
- There is a possibility of burn out for faculty and students since most of them are involved in at least two clubs
- It may be worthwhile to have some of the courses we offer at BSC do some of the CLUB project work as Projects or end of semester Projects.

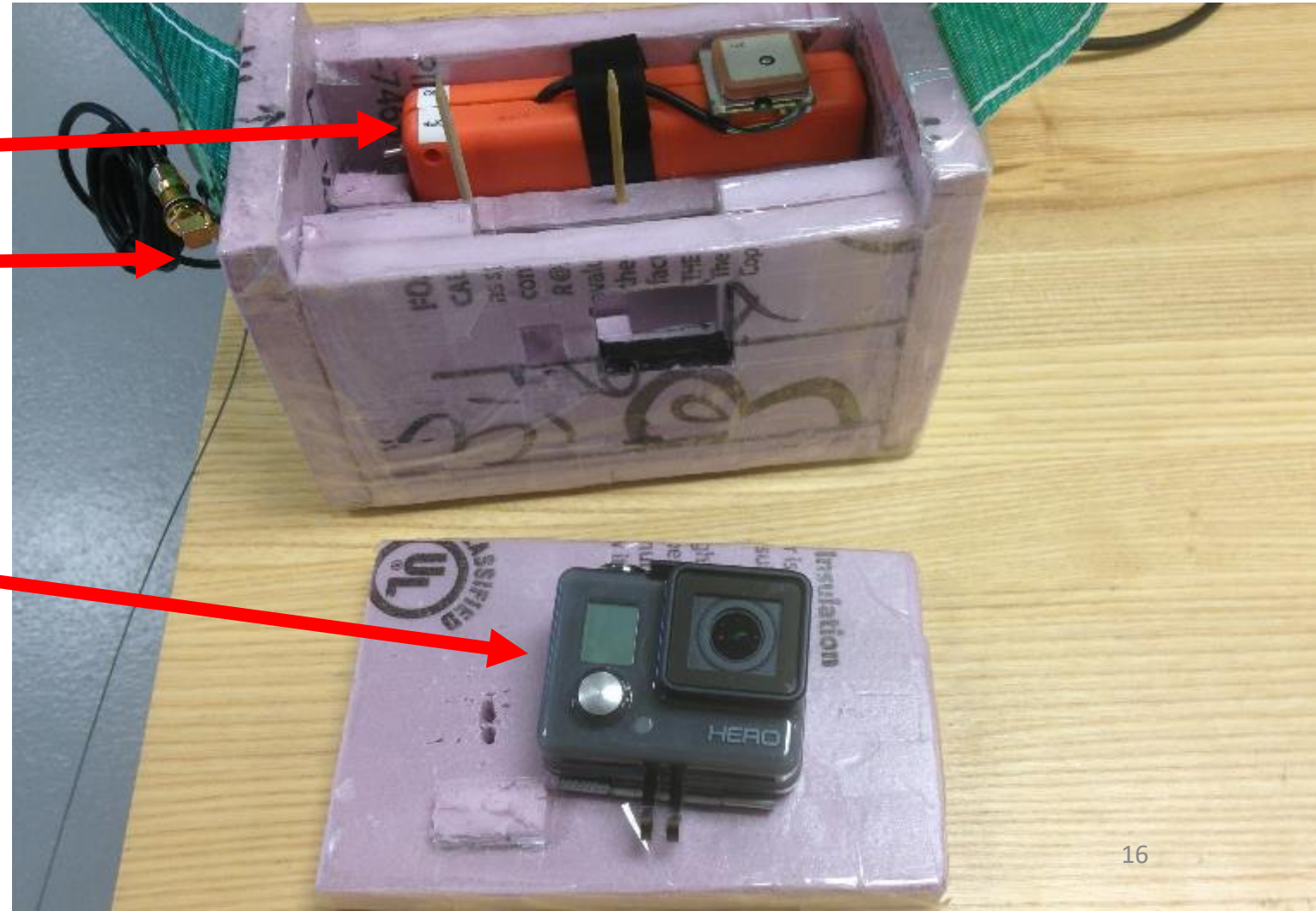
Here some Extra Slides from some of our launches

Our First Payload

GPS Receiver and APRS
Transmitter

APRS Antenna

GoPro Camera



Setup of balloon

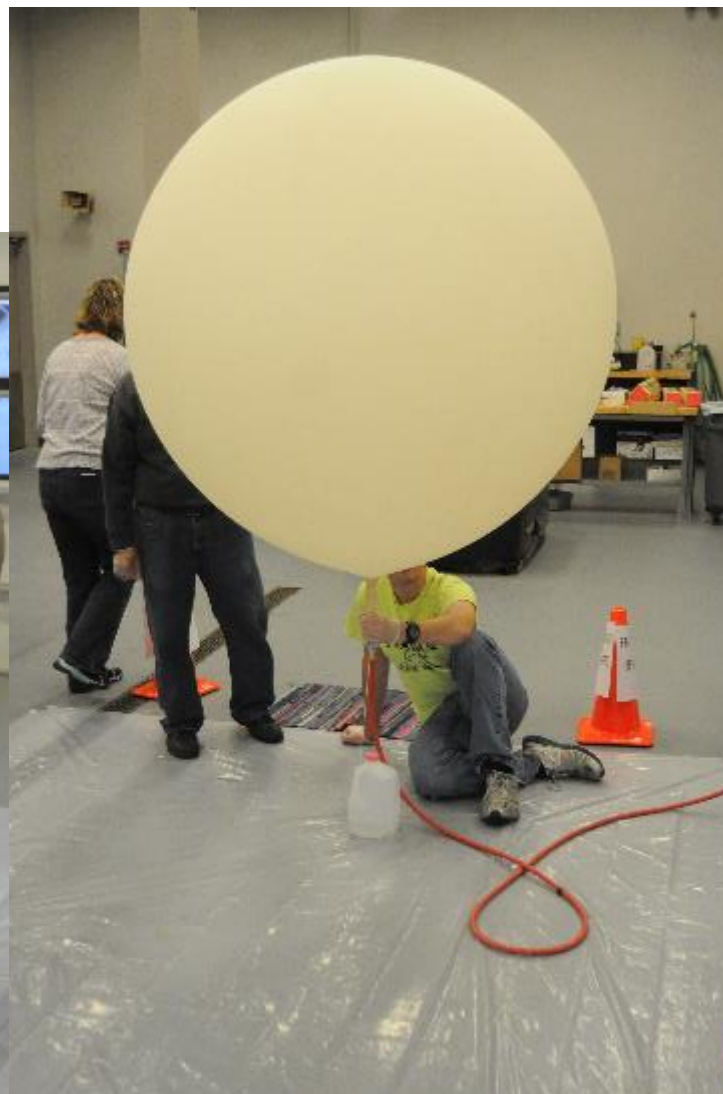
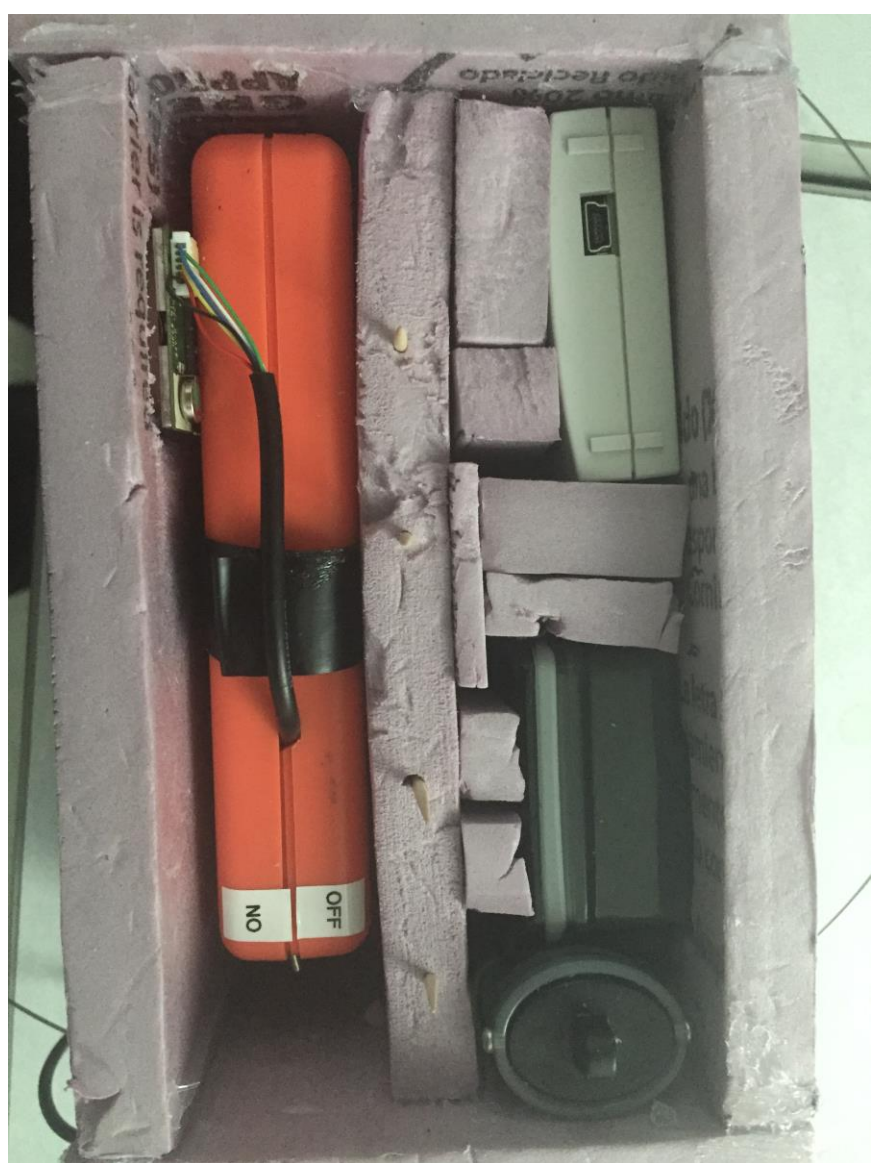
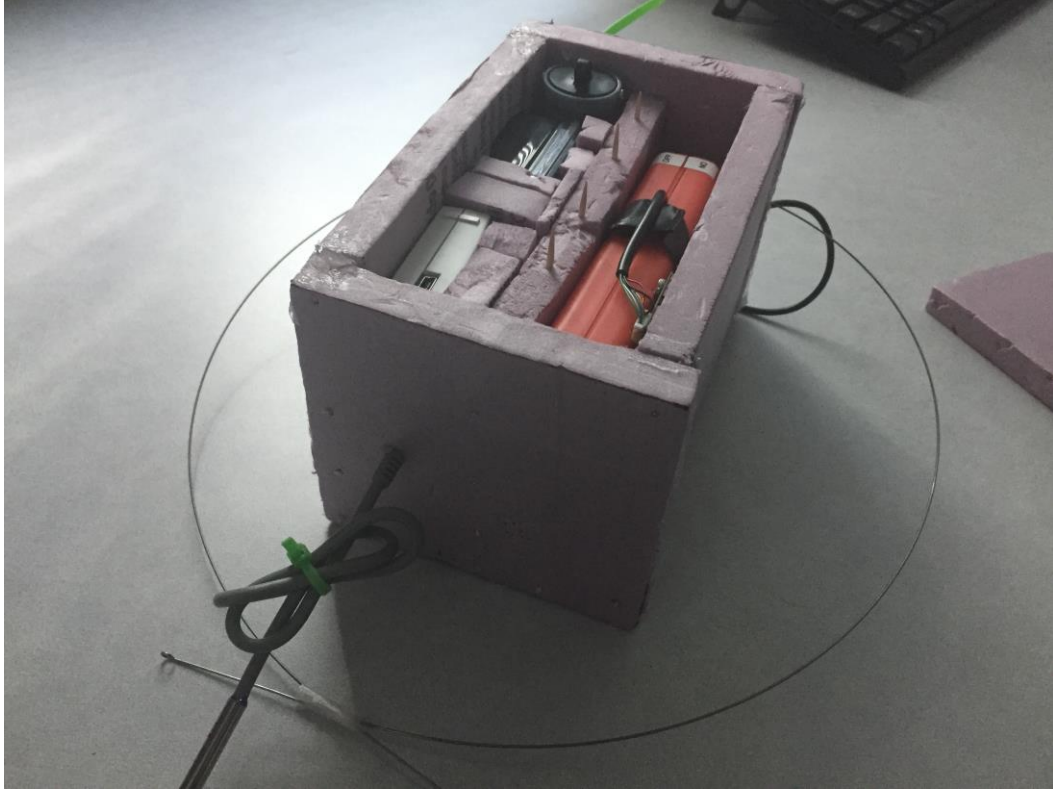


Image from balloon 1



Recovery of our first balloon







A young man standing on the far left of the group. He is wearing a black leather jacket over a bright neon green t-shirt with the word "MANDAN" visible, and blue jeans. He has his hands clasped in front of him.

A young woman standing second from the left. She is wearing a red hoodie with "MANDAN" at the top, a graphic of a state, and "LATIN" below it. Underneath, it says "VENI VIDE DOMINI". She is also wearing black shorts and grey sneakers.

A young man standing third from the left. He is wearing a grey and black diamond-patterned sweater over a light blue shirt, black shorts, and blue sneakers. He has his hands clasped in front of him.

A man standing fourth from the left. He is wearing a dark grey crewneck sweater, blue jeans, and a dark baseball cap. He is holding a white object, possibly a phone or a small piece of paper, in his right hand.

A man standing fifth from the left. He is wearing a white short-sleeved polo shirt with a small logo, blue jeans, and brown shoes. He is wearing a grey baseball cap and has his hands in his pockets.

A man standing sixth from the left. He is wearing a brown jacket over a blue button-down shirt, light blue jeans, and brown shoes. He is holding a phone in his right hand.

A man standing seventh from the left. He is wearing a blue and black plaid shirt, blue jeans, and brown shoes. He is wearing a grey baseball cap and has his hands in his pockets.

A woman standing on the far right of the group. She is wearing a bright blue jacket with a tie-waist and dark blue jeans. She is holding a phone in her right hand.



