



# The Syracuse Rocket Club

TRA Prefecture #053  
NAR Section #566



## CLUB MEETING MINUTES August 2007

**In attendance:** Dave, Rich, George, Elaine, Dennis, James, and Scott. We had two guests, John DeMar and Michele Ostrowski.

1. John DeMar. We were very lucky that he was able to join us all the way from New Mexico!!!! He participated in NYPOWER and took the time to come see us. Thank you John, *I was glad to finally meet you!!*

2. Michele. She is an S.U. Grad student majoring in journalism. She is required to interview and profile a member of the Syracuse Community. Dave was out voted and he became her victim!!! He lived in Fairmount, but is now living in Phelps. She also had to interview 6 other members of our club regarding Dave. She will forward him a copy of her final paper to Dave. I am sure everyone had something good to say. (*chuckle*)

FYI... Rich asked her how she came about to pick someone from SRC. She stated that she lives nearby and saw our sign. She thought it would be cool to interview someone from the rocket club!

### ACTION ITEMS

1. Rich to call Peter Plumley re: fixing internal brakeage on the Nike Smoke (see info below)
2. Dave to get in touch with Mr. Weigand to borrow a grill for the August 25<sup>th</sup> potluck launch
3. Dave to send out to listserv members the potluck information
4. Rich to look into why he cannot remotely get access into the SRC web page all of a sudden.

### OLD BUSINESS

1. The Nike Smoke – Launched at Geneseo on the 28<sup>th</sup> of July. It was a picture perfect flight. Recovery was picture perfect. Some minimal damage to the inside - The top bulkhead of the electronics bay is dislodged on one side. We need to glue it back in place and reinforce it.

The R-Das system did not work. It flew to 5200 ft. Lockheed Martin video taped.

a) Payload – 1. A wind Chime with a digital recorder – to experiment with sound. How loud would it be in the air? *I believe that John Aviste of Black River has the digital recording along with a Db reading. [James Shattell]*

b) Danford Middle school – attached an accelerometer *Yes, a mechanical accelerometer to measure g-force using weights hung from a spring and a marker. This experiment failed because the marker didn't leave a mark. [James Shattell]*

c) *An unknown individual requested to have his GPS unit share the capsule used by Danforth Middle School. After the flight that individual reported that*

*the GPS unit continued operation throughout the launch preparation, flight and recovery. [James Shattell]*

*d) There were three experiments from Bryant & Stratton College Computer Club. The first was an electronic accelerometer to measure g-force using electronic devices wired on a circuit board with a digital display and a recorded readout over flight time, which was downloaded to a file for graph display. This experiment was successful and appeared accurate comparing results from the electronic bay. The second experiment involved a continuous operation of a servo from a disk drive. The test was to see if the effect of acceleration would alter the operation of the device. An oscilloscope reading was done before and after. I have not seen the results of the after test. The third experiment in the B&S capsule was an attempt to measure the actual speed of the rocket using special sensors circuited to a board. This experiment failed because the sensors needed to be kept above a 90 degree angle prior to lift off. [James Shattell]*

e) Jamie Plumley designed an experiment meant to measure the change of pressure in the capsule with the payload section. He used two Perfectflite altimeters. The experiment failed, it is believed, because the pressure changes that occurred during the loading of the capsules into the payload tube. [James Shattell]

Next year it was discussed that we should focus on payload instead of a new rocket.

### **NEW BUSINESS**

**1. August 25<sup>th</sup> launch – Our annual potluck launch is on. The club will buy Hamburgers and hot dogs. Please bring your own drinks and a dish to pass.**

- a. There will be a 50/50 raffle if there is a good showing.**
- b. There will also be a rocket raffle.**

2. The July 23<sup>rd</sup> Launch was attended by 8 to 10 members and at least one spectator family. 52 flights were recorded. Motors used - 9 A's 5 B's 16 C's 5 D's w/one that pulled double duty (Dennis) with a D 12-0 and an E9-8 13 E's 2 F's and 2 G's. Nice day, little breeze.

- a. We had a raffle for 3 rockets. Dave, Spectator family, and someone else won the rockets.

### **FINANCES**

1. With the sale of a few t-shirts and the raffle of rockets at the July launch - We now have \$176 on account.
2. Voted and passed – The club will buy one 1960's rocket from Dennis for the raffle at the potluck launch. \$15. That makes our finances at \$161.

**The launch Captains for this year are:**

June 23<sup>rd</sup> – Dave Harbaugh

July 21<sup>st</sup> – Elaine and George, with Dave or Rich teaching.

Aug – Dave and James Shattel

Sept – TBD

Oct – TBD

**Dave and James will be launch directors at the next launch on the  
25th of AUG**

**NEXT MEETING September 5, 2007**