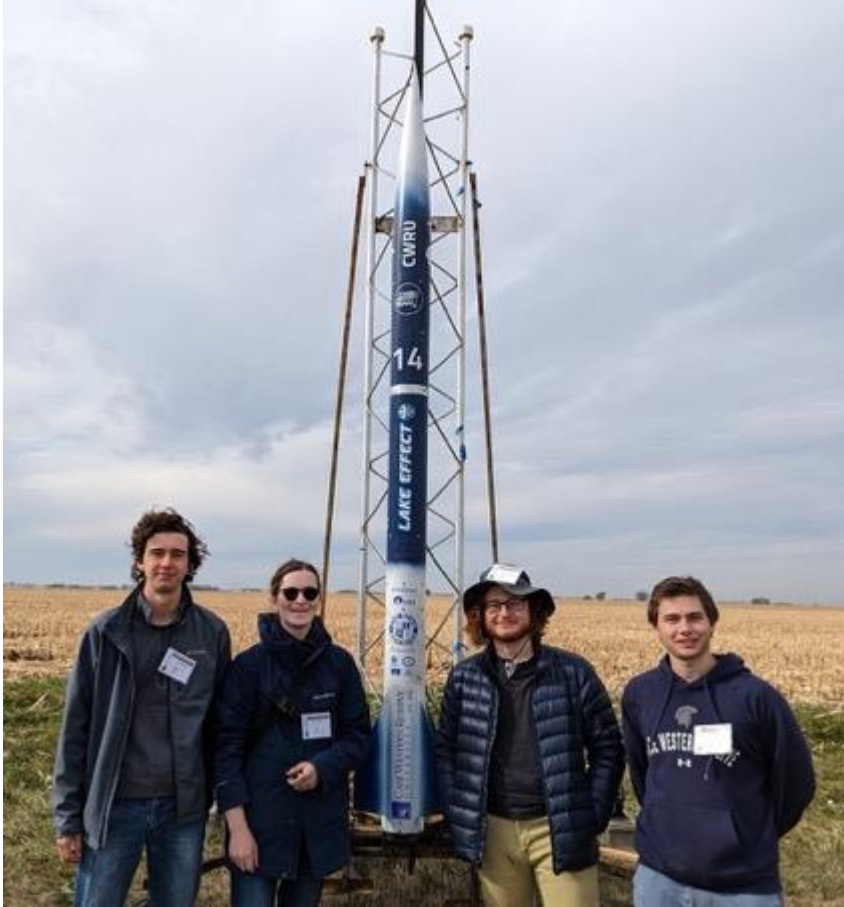


# Midwest Power Launch Report

NOTRA members Steve Eves, Mark Coburn, Andrew Kleinhenz, Chris Pearson and Rick Sharp made the long trek to Princeton, IL for Midwest Power on the Halloween weekend. They had perfect flying weather for Friday and Saturday. Temps in the low-60's, clear blue skies and virtually no wind.



The rocket team from Case Western Reserve University in Cleveland came to Midwest Power and on Sunday flew their IREC rocket that they flew at Spaceport America in June. Named "Lake Effect" after the famous meteorological event that happens in Cleveland.

The rocket was powered by an Aerotech M1419, and it flew beautifully to about 6,500 feet.





On Friday, Steve Eves flew his re-creation of the famous LOC/Precision "Top Gun." The 7.5" rocket was designed to be flown on seven (!) 54mm I motors. He flew it on a central 54mm AMW K1750 and two outboard Research 54mm J480 motors and it flew to 4960 feet. Steve custom made the fiberglass transition on this rocket. The original one was made from balsawood back in the 80's. With him is Andrew Kleinhenz posing with "Thunder Chicken."

Steve showing the business end of the "Top Gun" with two J480's and one K1750. Plans are being made to make 4-2 grain motors to fill the other four motor tubes!







The obligatory rocket on the pad pic! The rocket took-off on just the two outboard J motors and the central red K motor air-started. It was unintentional, but very spectacular!

Chris with his upscaled "Enerjet 2650" and Andrew with "Petunia" ready to fly early on Friday morning. You can tell it was cold by the heavy winter jacket and gloves. However, by noon people were down to t-shirts.



Mark Coburn flew his 4" "Arcas" with a Research 4 grain 75mm L1500 using NASSA K-2 Fast propellant to an altitude of 11,200 feet.



Rick Sharp flew his Mach 1 all-fiberglass 4" "Alien Interceptor" with an Aerotech L1090 to 5781 feet.





Russell Lubin is a member of the CWRU rocket team and came to MWP to do his Level 3 certification flight. His 4" diameter rocket named "Stingray" flew with a Loki M1200 Sparky and went to 12,878 feet. He had predicted 13K in altitude.



On Friday, Chris Pearson flew his rebuilt 5.5" Enerjet 2650. Last year at TMO, the power of 3-J420 motors ripped one of the motor tubes off 1000 feet off the ground. This year he flew it with three 30 year-old Synerjet 38mm J313 motors. One of the motors cat'o'ed shortly after ignition but the two remaining motors worked and it flew to 1850 feet, landing far downrange.





Andrew also flew his 4" rocket named "Thunder Chicken" on an EX-mixture of white and purple propellant. Probably clocked in at about a K700-ish. It flew to 5225 feet.



The other rocket that Steve Eves brought was called "Frankenstein" and it flew to 10,000 feet on a 75mm Research M2500 blue motor.





Rick Sharp flew his 3" scratch-built all-fiberglass "Ugly Duck" on an Aerotech J425R to 3271 feet.



Mark also flew his scratch-built 5.5" "Cheeto" on a three-grain 75mm Research L1175 flying to an altitude of 6522 feet.





On Saturday, Chris Pearson flew his upscaled 5.5" North Coast Rocketry "Archer SA-14" with a 54mm Research J480 motor using NASSA K2 Fast propellant. It did a respectful 2200 feet and landed between the B and C cells of the launch range.



On Saturday Andrew flew his "Petunia" again this time on a 75mm 3-grain red Research motor which he guessed was about a L1400. It flew to 5875 feet and was recovered close to the pads.





Rick Sharp flew his "Deep Purple 10" on a CTI J400SS motor to an altitude of 3756 feet. It was recovered with no damage.



Mark Coburn flew his LOC/Precision "HyperLoc 835" with a Research K600 again using NASSA K2 Fast propellant in an RCS-EMK motor kit which flew to an altitude of 5120 feet.



Rick Sharp's "Alien Interceptor" flies with an Aerotech L1090 to 5781 feet.



Also on Saturday, Chris Pearson flew his upscaled 5.5" North Coast Rocketry "Lance Beta" with a 54mm Research J480 motor using NASSA K2 Fast propellant. It hit 2000 feet and landed 50 feet from where Chris was standing.



