Host Section

Southwest Michigan Association of Spacemodeling Hobbyists (SMASH) section #500 of the National Association of Rocketry (NAR). Founded in 1988 the section has promoted rocketry to the community making rocketry a fun, safe, and educational hobby for the whole family.











SMASH & MMAR members are from all over the Midwest. The members of SMASH would like to invite you to NARAM-54 in 2012.

Model Rocketry is a safe, educational and fun hobby

NARAM-54 made possible by these sections:





Celebrating the 50th Anniversary of John Glenn's Friendship 7/Flight

July 28, 2012 to August 3, 2012



www.naram.org

Contact information: Pam Gilmore

Muskegon, Michigan psqilmore@qmail.com 231-755-0652

Sport Launch
Saturday July 28th to Friday August 3rd

Contest Events July 30th to August 3rd

Research & Development (36)

C & T Division: G Egg Loft Altitude (w/ altimeters) (24)

A & B Division: D Egg Loft Altitude (w/ altimeters) (19)

Classic Model (20)

Sport Scale (20)

A Helicopter Duration (20)

B Boost Glider Duration (19)

C Streamer Duration Multi-Round (14)

A Super-Roc Duration (13)

A Parachute Duration Multi-Round (11)

Set Duration 50 Sec. (8)

Open Spot Landing(4)

HPR Events TBD L1, L2, L3 Certifications

Social Events

NAR Town Hall Meeting Educational Fund Auction Golden Jubilee Imagination Celebration Dead Cow Soiree Manufacturers Forum Swamp Gas Night Launch Mercury Atlas Commerative Launch



www.naram.org

Launch Site

11,000 Acre facility, with a waiver to 15000' AGL

MMAR Rocket Club Launch Site

At the Muskegon County Waste Water Facility 8301 White Road, Muskegon, Michigan GPS: N43.263144, W-86.02958

Map of Hotel and Launch Site:



www.naram.org

Host Hotel



Holiday Inn Muskegon Harbor Downtown Muskegon, Michigan

Features:

pool, game area, exercise room, lounge, restaurants. Banquet facilities, computer work station.

(888)HOLI-DAY or www.holidayinn.com



Camping



There are a number of campgrounds in the area and most have lakes for swimming and fishing.

For more information see the web site.

www.naram.org