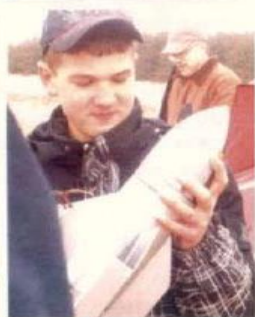


Host Section

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



www.naram.org

NARAM-54 made possible by these sections:



www.smashrocketry.org

M.
M.
A.
R.

www.mmarocket.com

This event is sanctioned by the National Association of Rocketry

www.nar.org



Contact information:

Pam Gilmore
Muskegon, Michigan
psgilmore@gmail.com
231-755-0652

www.naram.org

NARAM-54

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

July 28, 2012 to August 3, 2012



www.naram.org

Sport Launch

Saturday July 28th to Friday August 3rd
High Power Events TBD
Level 1, 2, 3 Certifications

Contest Events

July 30th to August 3rd
Research & Development (36)
C & T Div: G Egg Loft Altitude w/altimeters (24)
A & B Div: 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)

Social Events

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