



# PITTSBURGH SPACE COMMAND

National Association of Rocketry • Section #473 • Pittsburgh, Pennsylvania

## Membership Application



If renewing, please check here: \_\_\_\_\_

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_

State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Phone: \_\_\_\_\_ DOB: \_\_\_\_\_

E-mail: \_\_\_\_\_

Do you presently belong to the NAR (not required)? Yes: \_\_\_ /No: \_\_\_

If so, what is your NAR #: \_\_\_\_\_ Certification Level: \_\_\_\_\_

### Individual Membership:

Age 17 & Younger - \$8.00

Age 18 & Older - \$20.00

Family Membership: \$20.00

### Make Check Payable to:

**Pittsburgh Space Command**

### Mail to:

**Chuck Garnes**

**4609 Northern Pike**

**Monroeville, PA 15146**

**For More Information and  
Our Launch Schedule, visit**

[www.PSC473.org](http://www.PSC473.org)

For a family membership, please provide us with the following additional information about other family members that may be involved in club activities:

Name: \_\_\_\_\_ DOB: \_\_\_\_\_ NAR Member? Y /N Number: \_\_\_\_\_

Name: \_\_\_\_\_ DOB: \_\_\_\_\_ NAR Member? Y /N Number: \_\_\_\_\_

### The NAR Model Rocket Safety Code:

**Materials.** I will use only lightweight, non-metal parts for the nose, body, and fins of my rocket.

**Motors.** I will use only certified, commercially-made model rocket motors, and will not tamper with these motors or use them for any purposes except those recommended by the manufacturer.

**Ignition System.** I will launch my rockets with an electrical launch system and electrical motor igniters. My launch system will have a safety interlock in series with the launch switch, and will use a launch switch that returns to the "off" position when released.

**Misfires.** If my rocket does not launch when I press the button of my electrical launch system, I will remove the launcher's safety interlock or disconnect its battery, and will wait 60 seconds after the last launch attempt before allowing anyone to approach the rocket.

**Launch Safety.** I will use a countdown before launch, and will ensure that everyone is paying attention and is a safe distance of at least 15 feet away when I launch rockets with D motors or smaller, and 30 feet when I launch larger rockets. If I am uncertain about the safety or stability of an untested rocket, I will check the stability before flight and will fly it only after warning spectators and clearing them away to a safe distance. When conducting a simultaneous launch of more than ten rockets I will observe a safe distance of 1.5 times the maximum expected altitude of any launched rocket.

**Launcher.** I will launch my rocket from a launch rod, tower, or rail that is pointed to within 30 degrees of the vertical to ensure that the rocket flies nearly straight up, and I will use a blast deflector to prevent the motor's exhaust from hitting the ground. To prevent accidental eye injury, I will place launchers so that the end of the launch rod is above eye level or will cap the end of the rod when it is not in use.

**Size.** My model rocket will not weigh more than 1,500 grams (53 ounces) at liftoff and will not contain more than 125 grams (4.4 ounces) of propellant or 320 N-sec (71.9 pound-seconds) of total impulse.

**Flight Safety.** I will not launch my rocket at targets, into clouds, or near airplanes, and will not put any flammable or explosive payload in my rocket.

**Launch Site.** I will launch my rocket outdoors, in an open area at least as large as shown in the NAR's [Launch Site Dimensions table](#), and in safe weather conditions with wind speeds no greater than 20 miles per hour. I will ensure that there is no dry grass close to the launch pad, and that the launch site does not present risk of grass fires.

**Recovery System.** I will use a recovery system such as a streamer or parachute in my rocket so that it returns safely and undamaged and can be flown again, and I will use only flame-resistant or fireproof recovery system wadding in my rocket.

**Recovery Safety.** I will not attempt to recover my rocket from power lines, tall trees, or other dangerous places.

Please Sign: \_\_\_\_\_ Date: \_\_\_\_\_