

BAYSHORE BEAT

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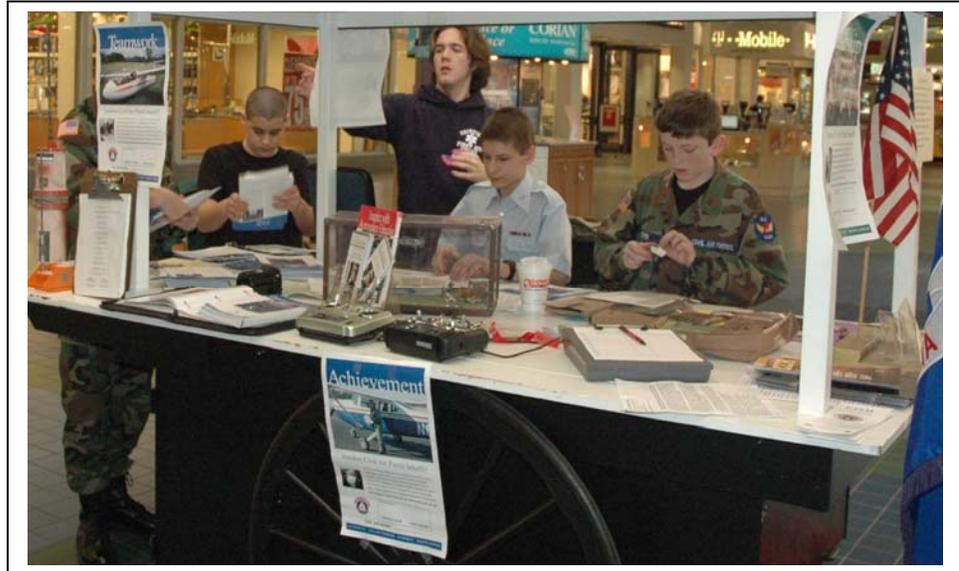
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Bayshore Composite Squadron
Civil Air Patrol

Group 223
New Jersey Wing

Bayshore Squadron at Monmouth Mall



The Bayshore Squadron went to Monmouth mall to celebrate the 65th anniversary of the Civil Air Patrol. The Monmouth Mall management provided us with a booth. Several cadets and senior members staffed the booth from mall opening to mall closing. In addition to informing the public about the Civil Air Patrol and the missions for America several visitors to the booth expressed an interest in joining our Squadron. Over the next several weeks these potential recruits will be visiting.





Rocket Racing!

In the middle of the desert there's a long strip of black asphalt, painted with a white line. In a moment the tranquil desert air will be disrupted by an explosion of heat and sound. What looks like a cross between a space shuttle and an F-14 fighter jet rockets down the runway. The airplane climbs banks and maneuvers following an invisible track, racing against time toward its destination. Moments later a second airplane will take off in hot pursuit racing against the clock.

Welcome to Rocket Racing, a competition in which high powered jets, called X-racers, travel at outrageous speeds to complete a three-dimensional race course in the sky. Instead of burning rubber around a brick-and-mortar track the racers use a cockpit mounted heads-up-

display (HUD) to race around a virtual track that not only requires racers to make turns at high speeds but also climb and descend through virtual gates that are super-imposed onto their cockpit HUD. Rocket racing is the brain child of Peter Diamandis and Granger Whiteclaw.

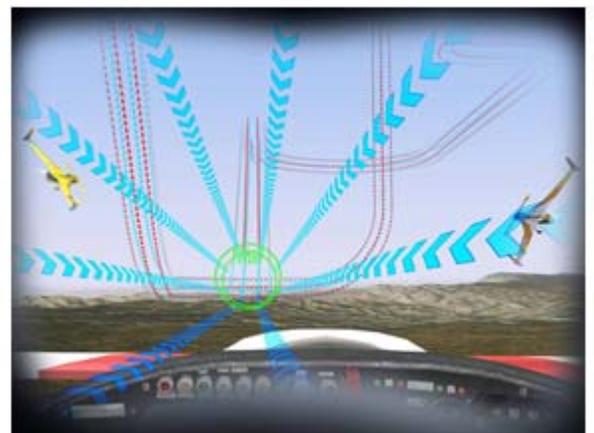
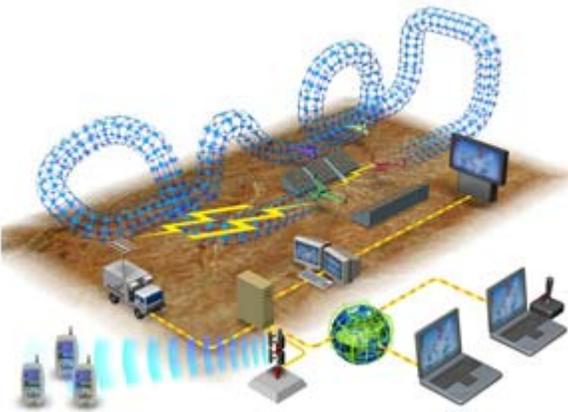
"Rocket Racing is just like Indy or F-1 racing except in the sky and with a 300-pound engine," says Whiteclaw. "It's a combination of extreme sports and racing all wrapped into one." Each X-racer uses a liquid oxygen and kerosene rocket engine designed to burn for four minutes and then give the pilot enough thrust to glide for several more minutes before needing to refuel.

Both Diamandis and Whiteclaw say they created rocket racing for three reasons: to create a profitable business, to create what they call "a truly 21st century sport, and to motivate advancements in space and aeronautics. "Some great technology can come from this. If you look at Formula-1 and Indy racing, both of those sports have been test beds for the major OEMS like Ford, Firestone, Ferrari, and Toyota. They spend billions a year to test their new technologies in high heat, high stress, and repetitive conditions with professional feedback. Something like this has never been available in the aviation industry. There is no place where new technology like this is being tested. So the interests are wide, varied and deep," says Whiteclaw.

Whiteclaw cites the development of the HUD or augmented reality display that is used to create the virtual track for the pilots. In rocket racing the HUD is used to show pilots the gates they need to fly through to complete the track. Outside of rocket racing the display system could be used to help guide pilots to a landing strip or regulate air traffic patterns.

Diamandis says there are plans to create an online videogame based on rocket racing. The game would allow players to superimpose their virtual racer over

footage of live races allowing players to race against the professionals. He goes on to say, eventually Rocket Racing will build an industry around testing, manufacturing and design in the aerospace industry. "We're trying to bring the aerospace industry into the 21st century. Aerospace has gotten stuck in the way of doing business as the military-industrial-complex. Because it is a military operation it is inefficient, expensive and political. We're not trying to revolutionize it, we just want to bring it up to the standards of the rest of the world," says Diamandis. Diamandis also has a very personal reason for creating rocket racing. He wants to relive a childhood dream of bringing space exploration back to the forefront of public discourse. "Bringing space exploration back to public consciousness has been my dream since I was nine years old," says Diamandis. He says he hopes to use the revenue generated from rocket racing to fund other private space-based endeavors. Whiteclaw says the first race is scheduled for the end of third-quarter 2007. "We will bring out grandstands and there will be a 50-foot Astrovision. The audience will be right there as the racers take off," he says. "This is a 21st century sport for 21st century people," says Whiteclaw.



Original article by John Myers, ConnectPress Staff Writer

Special 15% Discount – Motorola Online Store

All items available at the Motorola online store are available at a 15% discount until March 21st. Go to www.store.motorola.com and at checkout enter coupon code FRND_63720. There are mobile phones, mobile phone accessories, cordless phones, cable modems, and 2-way radios on the site. The Bayshore Squadron will be purchasing several of the 2-way radios for squadron use. Check with 1st Lt Gordon-Lewis or 1st Lt. Gomes to make sure the radio you get is compatible. This offer can be shared with neighbors and friends

Senior Member Boot Camp

A boot camp was held at Fort Monmouth by the Bayshore Squadron Civil Air Patrol. This boot camp was to further enhance the understanding of senior members about the customs and courtesies that are used in the Civil Air Patrol. Senior members and Cadets from the Bayshore Squadron participated as staff. Senior members from around the NJ Wing attended the course.



C/Chief Master Sergeant Gomes and Sergeant Stengele review and correct the hand salute.



C/1st Lt P Daigle makes a point.



Boot Camp Formation Passing in Review.

**Bayshore
Composite
Squadron**

**Commander
1st Lt. Ulric
Gordon-Lewis**

**Building 1110
Fort Monmouth, NJ**

**PHONE:
908-675-0762**

We're on the Web!
See us at:
<http://bayshore.njwg.cap.gov/>

Up Coming Events

Falcon Flight Applications due	February 10
Bradly Museum Trip	February 10
Wing SAREX	February 16
Star Gazing	February 17
Falcon Flight Interviews	February 25
Battleship New Jersey Trip	March 24
NJ Wing Cadet Ball	March 30
NJ Wing Conference	March 30- April 1
Great Adventure	April 20-22
McGuire Air Show	May 12 - 13

Squadron Dues: \$50 per year

Pagan, Eric J	1/22/2004
Carr, Kathleen A	2/10/2004
Christel, Kimberly	2/12/2003
Gomes, Matthew R	2/23/2005

Squadron Chain of Command

1 st Lt Ulric Gordon-Lewis	Commander
1 st Lt Carl Gomes	Deputy Commander of Cadets
1 st Lt Joe Cianci	Supply Officer
Sgt Paul Stengele	Safety Officer
2 nd Lt Bob Cartwright	Professional Development Officer
Officer Don Low	Chaplain, Moral Leadership Officer
Officer Anthony Nolan	Administration Officer
Sgt. Nick Vernon	Emergency Services Officer
FO Neil Stern	Leadership and Drill Officer

Cadet Chain of Command

C/2 nd Lt. R Powers	Cadet Commander
C/1st Lt P Daigle	Deputy Commander
C/2d Lt. K Christel	Executive Officer
C/CMsgt M Gomes	First Sergeant
C/1st Lt. R Mitchell	Alpha Flight Commander
C/1st Lt P Daigle	Charlie Flight Commander

