THE MARAUDER

AFA GOLD COAST CHAPTER 351 Quarterly Newsletter

http://goldcoast351.org/news.htm March 2011

AFA GOLD COAST CHAPTER IS A 501c3 CHARITABLE ORGANIZATION

MISSION The Air Force Association educates the public about the critical role of aerospace power in the defense of our nation; advocates aerospace power and a strong national defense; and supports the United States Air Force and the Air Force Family and aerospace education.

IMPORTANT ANNOUNCEMENT: To update your email address or to Unsubscribe please email: mnauheimer@afa.org

President' Message;

The year 2011 started with a nostalgic weekend in January. Our chapter hosted the Collins Foundation's WWII B17 and a P51 Fighter at Fort Lauderdale Executive Airport on their annual visit to Broward County. Several *first time participating* chapter members helped man a recruiting table and in general all had the opportunity to interact with the many aviation enthusiasts. We look forward to doing this again and hope you will step up to help next year.

Last quarter we planned a bus trip to the Homestead Air Show; participated in the Commissioning of the USS Dunham; organized the *Wreaths Across America* event and supported the *Challenge Air* Activity. Two more members have joined us on the chapter's council. The council members are the planners and generally the doers. They fill the positions National has recommended to accomplish the AFA mission.

Most recently I attended a Remote Control Competition for model airplanes in Palm Beach County Area.

As you can see in the photo the club has a beautiful 8 foot wing span detailed replica of a B17 aircraft among several planes.

The host & devotee of this interesting hobby is passionate about reaching young people with the know-how on building and maintaining RC model aircraft. And clearly, honing the skill of eye to hand coordination through the precision piloting of these model aircraft has great potential in preparing interested young people for future careers in Aviation especially as it pertains to remote control aircraft (Drones) training in the Air Force.

To further the AE educational mission of the AFA & the goals of our chapter, we have partnered with the Women in Aviation's local chapter for an Aviation Educational Day for scouts And I foresee a similar partnering with the RC Aviation Club will bring a successful outcome 4 our AE goals.

Excelsior, Virginia Montalvo CAP.VSM@juno.com

MarchSpeaker

John Katsaros, WWll B17 Crew member & speaker at March dinner meeting flanked by two of our council members USAF Veterans, Leo Gray & Gerald Rennet

SAVE THESE DATES!

April 9 Saturday all day; Vital Flight
Boca Airport; jerilynnstetz@yahoo.com
April 13 Wednesday 1pm Council Meeting
Banyan bldg; FXE cap.vsm@juno.com
May 18 Wednesday 1pm Council Meeting
Banyan bldg; FXE cap.vsm@juno.com
May 19 11am WASPS Luncheon First Presbyterian Church, FtL; FCS2121@ Comcast.net
May 21 Saturday; Veteran Symposium
AM Legion Post 222 FtL LorettaYung@yahoo.com
June 10 Friday 6pm quarterly Dinner Meeting
El Palacio Hotel Ft Lauderdale website
July 8 & 9 AFA FL CONVENTION
Ocala Hilton; warhawk10@bellsouth.net
***For other dates please look on chapter website**

State Winter Meeting Convention Notes by Ran Meriam, State Secretary - Orlando, 2/2011

This state-wide meeting of all chapters had 29 delegates from the state's chapters. That same number attended the lunch and a total of 46 enjoyed the dinner Saturday night. State President indicated our current 15 chapters would be compressed to 13 with the marriage of the Homestead Chapter with the Miami Chapter and the Loren Evenson chapter with the Waterman Chapter. Richard Ortega reviewed the upcoming 3/19/11 Drill Meet. We enjoyed a spirited update from Bernie Skoch on the further

development of the highly-successful Cyber Patriot program. Bernie is a full time AFA staffer and very well suited to his role with Cyber Patriot. Mike Emig, State Executive V.P., spoke of the yearly awards program as well as his chapter (Red Tail Memorial) plans for the State Convention in Ocala on July 8/9. Dave Shantz provided a fine summary of the 1991Gulf War during his talk at lunch. Jim Connors described the latest thinking on the Combat Search and Rescue helicopter (CSAR).

Each chapter then mentioned briefly what new ideas each was pursuing. Jim sought candidates for next year's slate of State officers which becomes effective 10/1/11. Elections will be held, as usual, at the State Convention in July. Further discussion ensued as to the number and location of necessary state meetings. It has always been recognized the meetings can be somewhat costly and for some chapter members difficult to attend. The current thought is to possibly combine the Winter Meeting (always held in Feb. and also in the Orlando area) with the Drill Meet. +

AFA AE Grant Winner

Annually the AFA promotes Aerospace Education by offering a grant to educators for the development of an innovative classroom activity in aerospace education.

For 2010 in our chapter area which covers Broward County up to South St Lucie County, we are proud to announce the recipient for the award is Mr. Eric Landstrom, a teacher at the Seminole Ridge Community High School in Loxahatchee.

We congratulate and enthusiastically acknowledge Mr. Landstrom's efforts for supporting the Air Force Association's mission of promoting aerospace activities in the classroom.

Mr.Landstrom's winning project is in its entirety to illustrate what goes into a " winning" project.

Student teams will design, construct, and successfully launch water bottle rockets. Water bottle rockets are built around a plastic 2 liter soda bottle, powered by compressed air and water, and challenged to achieve longest possible air aloft time (proxy for how high an altitude it can achieve). Students will practice high level problem solving skills by completing project based learning activities that allow students to analyze scientific data through the use of charts, graphs, and the scientific method. Students will be offered additional science support through participation in SECME club.

Students can document abilities in science, math, engineering and technology with the following concepts: science - Newton's laws of motion, inertia, acceleration, gravity, projectile motion, freefall calculations, air resistance, relationships between conservation of impulse-momentum, center of mass; math - trigonometry, truncated cones, axial symmetry; engineering - modeling, prediction, technological design.

Students will learn about the history of rocketry, and analyze the broad effects of space exploration on the economy and culture of Florida. Students become familiar with how rockets are launched. Students will also learn how and why specific rockets are chosen for varying payloads

Water bottle rockets are ideal for teaching Newton's laws of motion. The launch of the rocket easily demonstrates Newton's third law. Students can see the water shooting out of the nozzle (action) and see the rocket streak into the sky (reaction). Students can calculate how high the rocket flew by measuring the number of seconds aloft, dividing in half and solving for vertical distance fallen (using the formula d = ½*a*t^2 along the y-axis).

Students can also experiment with different pressure levels inside the chamber and different amounts of water. The rocket will not fly very high if it is filled only with air. The air will quickly rush out during the launch, but its mass is very low. Consequently, the thrust produced is also low (Newton's second law). By placing water in the bottle, the air has to force the water out first before it can leave the bottle. The water increases the mass expelled by the rocket, thereby increasing the thrust.

Students will work teams to learn about various aspects of launching a water rocket, and to investigate one variable, in detail, by performing tests. By completing these tests they will learn the various aspects of launching a rocket. Students work in expert groups to learn more about variables related to propulsion, the shape, size, number and placement of fins and the nosecone shape. Students then take the information learned in the expert groups back to their design group to design and build a water rocket that will fly as high as possible. In the assessment, students engage in a competition whereby they apply what they have learned about rockets to build a launch vehicle that flies as long as possible.

Variables on which data will be collect are as follows: drag (investigating nose cone using leaf blower wind tunnel), time aloft vs. water volume, time aloft vs. water pressure, investigating fin shape and size, investigating fin number and placement, and time management for launch windows.

The Water Bottle Rocket Design Competition requires participation in four areas:
construction and performance, technical drawing, technical report, and mission patch.
Construction and performance (100 pts)
The score of the rocket is the product of the ratio of average air aloft time to the maximum air aloft time of all competitors, multiplied by 100.
Design Drawing (100 pts)
The accuracy to which the drawing illustrates the actual rocket: the resemblance, the proportional scale in the drawing correctly relate to and represent the team's actual rocket, the correctness of the names/labels of all of the parts in the drawing of the rocket, and the quality of the visual presentation of the rocket drawing.
Technical Report (100 pts)
The report describes the design, construction, and operation of the water bottle rocket. Abstract, design background, report organization, calculations, conclusions and recommendations, precision, sentence formation, and mechanics are considered.
Mission Patch (100 pts)

The patch is a symbolic design that reflects the dedication and mission of the rocket team. This display will be judged on originality (innovativeness of the design), creativity (uniqueness of the information depicted), appearance (attractiveness/neatness of the presentation), and content (representation of the team's name and SECME annual theme). Student teams will design, construct, and successfully launch water bottle rockets. Water bottle rockets are built around a plastic 2 liter soda bottle, powered by compressed air and water, and challenged to achieve longest possible air aloft time (proxy for how high an altitude it can achieve). Students will practice high level problem solving skills by completing project based learning activities that allow students to analyze scientific data through the use of charts, graphs, and the scientific method. Students will be offered additional science support through participation in SECME club.

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PATRIOT IV COMPETITION " cyber defense is essential to our nation's prosperity and national security," Schlitt said. "One of our primary missions at AFA is promoting education in science, technology, engineering and mathematics, and we're so proud to spearhead this exciting educational program."
If you would like to mentor, coach or sponsor a team for 2011 cyber space awareness training for the CyberPatriot Competition, please contact cap.vsn@juno.com

Seeking Photos of AFA Cold War Veterans
Air Force Magazine seeks personal, candid, unofficial photos of current AFA members serving during the Cold War. We're looking for a photo of you in Cold War service. Pictures can be from the US or overseas areas, but not from the active war zones of the time (i.e., not from World War II, Korea, Vietnam, or Desert Shield/Storm). An example of the

types of casual, unposed photos we are seeking are in the "Vietnam War Scrapbook" in the Oct 1996 issue of the magazine at www.airforce-magazine.com.

Please mail a photo of yourself and a detailed description to: Cold War Scrapbook, Air Force Magazine, 1501 Lee Hwy., Arlington, VA 22209-1198. Photos will be returned. Include a phone number or e-mail where we can reach you. Deadline is May 1. Photos selected will be published in Air Force Magazine's "Cold War Scrapbook" photo feature in the August issue. +

WHO'S WHO Each quarter we will endeavor to spotlight one of our members. This quarter, please meet World War II Veteran, Milt Markowitz: by Milt.

As the years roll by, fewer and fewer World War II veterans remain among us. At this stage, probably one and a half million of the sixteen million who served are still among the living. Milton Markowitz, an active member and currently the Vice President of Gold Coast Chapter 351, is among these survivors.

Milt was born in New York in 1925. War broke out in Europe in 1939 and the U.S. got into it in 1941. While in his first semester in college at the age of seventeen, he enlisted in the Army Air Corps to be called up after his eighteenth birthday for flight training. He accomplished this, going through Primary, Basic and multi-engine Advanced Training. Upon graduating flight school, and at the age of nineteen, he was assigned as a co-pilot in B-24s. Upon completion of Combat Crew Training his crew was tasked to fly a new B-24 across the Pacific and eventually reached his assigned unit, the 380th Bomb Group in the Philippines. The unit was almost immediately transferred to Okinawa where he got his few combat hours before the war ended. He stayed in the Pacific theater for two more years, being assigned to Troop Carrier Command and getting much experience flying routes from The Philippines, China, Japan, Australia and Hawaii in the C-47, C-46 and C-54 aircraft.

Upon returning home, he went back to finish college while remaining with the Air Force Reserve flying several different aircraft. Four years after release from active duty, he was recalled for the Korean conflict and got a fighter assignment. He was assigned to a P-51 Mustang unit and attained combat readiness when his group was programmed to transition into jet fighters. Milt's unit, with their F-84 Thunderjets, was sent to England where they soon attained full qualification and started flying patrol up and down the East German border while Mig-15s patrolled on their side of the border.

At the end of this active duty period, Milt went back into the Air Force Reserve and in the 1960s transferred to the New York Air National Guard where his unit was flying the C-97G Boeing Stratocruiser. The primary mission was with Military Air Command hauling cargo world-wide, including Viet Nam, Europe, Asia and South America. He became an Instructor Pilot and Flight Examiner and was offered a full time instructor position with his military assignment as the Group Deputy Commander for Operations. After about four years of this, the Air Force had enough all-jet transports to satisfy their airlift requirements, the planes were converted to KC-97L air refueling tankers. At that time, the six Air Guard tanker units rotated to Europe doing all the NATO support fighter refueling while the regulars moved all their KC-135s to support the Viet Nam War. The Air Guard tankers also did all aerial refueling for the Air Guard fighter units in the continental U.S. and Puerto Rico.

When the unit was again scheduled for transition to fighters, Air Defense Command decided they didn't need any more 47 year old fighter pilots, so Milt was transferred to another guard unit for Forward Air Control. His full time responsibility was training unit personnel and maintenance of the Forward Air Control System. During this period, he flew the FAC U-2A.as well as the unit Convair support aircraft. In 1979, he was assigned as the Station Detachment Commander of the Roslyn NYANG Air Guard Station and as Deputy Commander of the TAC Control Group. He retired three years later with the rank of Colonel.

Milt claims to have had a most satisfying career, accumulating over 7,000 hours of flying time in some 40 different types of Air Force aircraft. He was there see tremendous strides in aviation, starting training in open cockpit aircraft and eight years later, into jets, at speeds and altitudes previously undreamed of..

He joined Gold Coast Chapter in 1981 and has been on the Executive Board almost from the beginning having held positions as Secretary and Treasurer. He and his wife of sixty years, Natalie, now reside in Delray Beach. He also currently keeps busy as a

Palm Beach Sheriff's Office Volunteer training and scheduling officer.+

From Mike Dunn, the National President's Desk: AFA members, Congressional staff members, Civic leaders, DOCA members: This week AFA leaders will visit the offices of every new member of Congress. Our messages will be similar to those we have shared with you in the past: The future is uncertain; we've been consistently wrong in our forecasts. America needs a strong defense. Airpower is our asymmetric advantage. If we are strong, we prevent conflicts. The Air Force is a truly unique Service, maximizing speed, power, and vision to net global effects in the air, space, and cyber space. The Air Force has an aging fleet. The weapons systems we buy today will be in service for decades into the future. Numerous lessons-learned throughout history have demonstrated that inadequately equipping our forces can have devastating consequences for our nation. The industrial base is increasingly at risk. **The only thing more expensive than a first rate Air Force is a second rate Air Force.** February 2011

Chapter Recruiting Efforts

As the chapter VP for Membership, I wanted to take a moment and thank all the volunteers for their time and effort during the January Collings Foundation Wings of Freedom Tour at the Ft. Lauderdale Executive Airport (FXE) and at the Boca Raton Airport. We had the able services of **Bob Marks, Bill Ferguson, Virginia Montalvo, Art Randell, Jerry Rennert, Jerilynn Stetz, Joe Roberts** and I at FXE. Our highly-sought Tuskegee Airman **Leo Gray** also stopped by. In Boca Raton, recruiting was capably executed by **Milt Markowitz** and **Harvey Bennett** while **Julius Horowitz** also stopped by to lend a hand.

It is of vital importance that all members actively seek new members to join Gold Coast Chapter 351 not only for the membership strength of our organization but for the100% rebate we receive when we reach our membership goals for each quarter. Thanks to all of you for your generous efforts. Ran Meriam

AFA is a 501(C)(3), nonprofit organization promoting public understanding of aerospace power and the pivotal role it plays in the security of the nation. AFA has over 200 chapters nationally and internationally representing 120,000 members. Visit AFA www.AFA.org.
Send your comments to CAP.VSM@juno.com

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