

CIVIL AIR PATROL
SAN DIEGO CADET
SQUADRON 144

SPECIAL
POINTS OF
INTEREST:

- Check out up-coming events on Pages 2, 6 & 7
- Explore Cadet Programs on Page 1—3
- Learn about Aerospace Current Events on Pages 4 & 5
- Read this month's Safety Article on Page 6
- Achievements and Accomplishments on Page 8

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Squadron 144



News

VOLUME 2, ISSUE 5

SAN DIEGO CADET SQUADRON 144

CAWG Encampment 16-23 July 2011



The California Wing Encampment (CAWG) will be held 16-23 JULY at Camp Pendleton. All cadets are highly encouraged to attend.

When asked why cadets should attend encampment, this is what encampment graduates had to say:

"During encampment you will learn more about teamwork and discipline than you would at any other CAP activity. You will establish relationships that will last your entire CAP career."

-C/Capt Daniel Gorin

"If you want to go to any National Cadet Special Activity, it is a requirement to graduate from encampment."

-Capt Cable

"You will learn attention to detail, teamwork, and the basics of CAP. It's a great learning experience and is required for the General

Billy Mitchell Award."

-C/SMSgt Andrew Overson

"You learn about teamwork and motivation. For me it was the realization that it's better to work through it than to get out of it."

-C/TSgt Jacob Veta

"Encampment exposes you to many different types of people allowing you to pick and choose the characteristics you would want to emulate and those you don't."

-C/Capt Joshua Flewellen

"Encampment standardizes Wing training. It teaches how to drill with an extremely high level of precision and to use teamwork to accomplish a goal. Make friends and the inspection will go well for your flight."

-C/2dLt Jesse O'Keefe

"It introduces the CAP cadet Program. It helps build the cadets confidence in CAP and it's required for the General Billy Mitchell Award."

-C/MSgt Zoe Horton

Aside from how much you will learn at encampment, it's a lot of fun too! Here's what encampment graduates favorite part of encampment was:

"M-16 Simulators!"

-C/SrA Bryce Duggan

"The drill competition!"

-C/2dLt Jesse O'Keefe

"The best part was sleeping because you really needed it."

-C/TSgt Jacob Veta

"Watching my cadets graduate!"

-C/Capt Joshua Flewellen

"The obstacle course was a very unique experience. It was great to feel the sense of camaraderie and teamwork within the flight.."

C/TSgt Everett Costello



Full event details have not been released yet, but planned encampment activities include: CH-46 Sea Knight Helicopter Orientation Flights, Flight Line Orientation and Tour, M16 Marksmanship (simulator), and Model Rocketry.

Reserve these dates on your calendar and go to www.cawgcadets.org often to check for registration information!

Upcoming Events

- ⇒ May 7
Orientation Rides
Gillespie Airport, El Cajon
Cost: FREE
- ⇒ May 14
Squadron Staff Training Day
El Cajon, CA
Cost: \$5 for lunch
- ⇒ May 21-22
Ramona Rodeo Recruiting & Parade
Ramona, CA
Cost: Meal Money
- ⇒ May 27-30
CAWG Cadet Programs Conference
Camp SLO
Cost: \$135
- ⇒ May 28
Orientation Rides
Gillespie Airport, El Cajon
Cost: FREE
- ⇒ June-July
Various National Activities
- ⇒ June 4-5
Wings over Gillespie
Gillespie Airport, El Cajon
Cost: Meal Money
- ⇒ June 11
In the Box & Goldstone Deep Space
Comm Complex Tours
Ft. Irwin, CA
Cost: \$30
UOD: Civilian Attire
- ⇒ June 17 (Tentative)
ASTC Tour
MCAS Miramar, CA
- ⇒ June 17-19
Basic Cadet School (BCS)
Camp Pendleton, CA
Cost: \$35
- ⇒ June 24-26
NRA Basic Rifle Class & Bivouac
Escondido, CA
Cost: \$50
- ⇒ July 16-23
CAWG Encampment
Camp Pendleton, CA
Cost: TBD

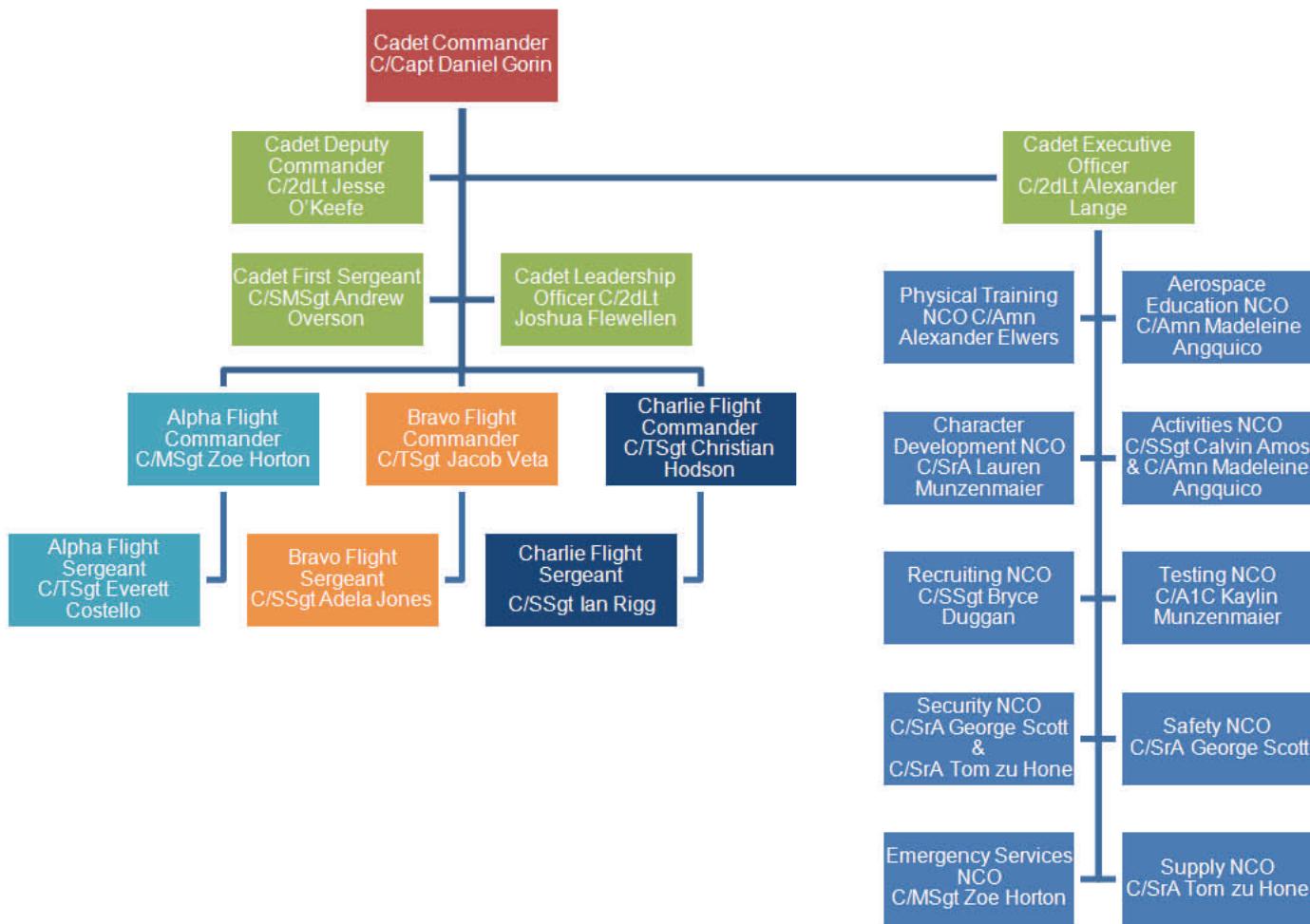
MAY 2011

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
		Weekly Meeting				O-RIDES
8	9	10	11	12	13	14 SAREX
		Weekly Meeting				Staff Training
15	16	17	18	19	20	21
	CAWG SAREX		Weekly Meeting			Ramona Rodeo
22	23	24	25	26	27	28
	Ramona Rodeo		Weekly Meeting			O-RIDES
29	30	31				CP Conference
	CP Conf		5th Tuesday Event			

JUNE 2011

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2	3	4
						AIR SHOW
5	6	7	8	9	10	11
	AIR SHOW		Weekly Meeting			Ft Irwin & Goldstone
12	13	14	15	16	17	18
			Weekly Meeting			Basic Cadet School
19	20	21	22	23	24	25
	BCS		Weekly Meeting			NRA Rifle Class & Bivouac
26	27	28	29	30		
	NRA & Bivouac		Weekly Meeting			

Squadron 144 Cadet Staff Changes



Getting to Know Your First Sergeant—Andrew Overton

By: C/SMSgt Andrew Overton

Hello everyone reading this. I am C/SMSgt Andrew Overton and I am going to tell you a little about myself. I joined the Civil Air Patrol almost three years ago, and it has been the best decision I ever made. Outside of CAP I am a normal person. I am a sophomore who is



home schooled. I am the second oldest out of five siblings. My favorite activities to do outside of CAP are hang out with friends, play my guitar, play video games, listen to music, swim, and play sports. When I graduate high school, I plan on joining the military. But in the meantime, I'll be serving as your first sergeant, training you cadets, and working towards my goal of getting the Spaatz award.



Science Progressed by America's Aerospace Power

By: C/2dLt Jesse O'Keefe



"However far modern science and technics have fallen short of their inherent possibilities, they have taught mankind at least one lesson: Nothing is impossible.

~LEWIS MUMFORD,
Technics and Civilization,
1934

When most of us think of an aerospace engineer, we might think of a scientist with a lab coat that uses sophisticated equipment and math. This picture portrays an individual using science to further their research that will eventually benefit America's aerospace power. However, can this model be flipped, with aerospace power pushing science to new heights? First let us define what we're talking about, America's aerospace power and science.

For an understanding of America's aerospace power, let's look at the military. America currently holds air dominance over the entire world, but where did that come from? For example, take a look at America's air dominance fighter, the F-22. The F-22's air superiority characteristics can be summed up in a sentence from the Boeing website. "The Raptor's unique combination of stealth, speed, agility, precision and situational awareness make it overwhelmingly effective in its combined air-to-air and air-to-ground mission capability". Just reading this sentence about this unique fighter attack aircraft says power all over it: America's power.

Going deeper, let's look at two figures in the civilian world of

American Aerospace. The great American trainer, the Cessna 152, has carried great numbers of pilots to their licenses. It's close cousin, the 172, has carried even more pilots to their careers. Big brother, the 182, has and still serves as a private plane for pilots of all occupations. But where did all these Cessna's come from? Well, in 1911 a man named Clyde Cessna attended a flight expo, and told himself that he would fly. After his first in his A-Series rolled off the assembly line in 1928, the ball got rolling and his legacy lives on in the mostly



popular training and private aircraft on the market.

Our second figure is Burt Rutan, the American designer of the Voyager, SpaceShip1 and 2, the Starship, and dozens of other innovative designs. He has created a legacy for himself in American aircraft design as an advance of American aerospace technology.

Now that we know what aerospace power is, we can define science. From the Latin word scientia literally translated as knowledge, Webster's 1828 Dictionary defines science as "accumulated and established knowledge which has been systematized and formulated with reference to the discovery of general truths... espe-

cially such knowledge when it relates to the physical world and its phenomena."

Now we'll bring the two together. We've all heard that necessity is the mother of invention. In other words, when you need something, you do what you have to do get it. America's need for air superiority was brought to light by the Japanese attack on Pearl Harbor, and American industry responded. However, the need exceeded what was thought possible, so the researchers went to work. They designed

what we now know as stealth fighters, advanced weapons systems, better propulsion systems, and more aerodynamic airframes. We see examples of this in the P-59 Airacomet, the first American jet, the F-86 that outmaneuvered the MiGs in Korea, the F-4 in Vietnam, the F-117 in the Middle East, and now the F-22 Raptor. These have all played an important role in securing America's position as the ruler of the air environment.

Yes, aerospace power can and does benefit science. There is a need, we use what we know to fill that need, we then have a solution. The solution then provides us further insight into the same need, advancing science, and allowing us to fill another need.



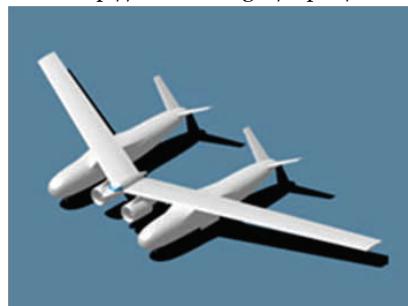
Future Aircraft Designs—2025

By: C/Amn Madeleine Angquico , More information at http://www.nasa.gov/topics/aeronautics/features/flight_2025.html

In 2010 the following companies Lockheed Martin, Northrop Grumman, The Boeing Company were tasked by the US Government to design an aircraft for the year 2025.

The 3 companies presented their design when NASA awarded them their contract. The objective of the design is to produce aircrafts that has less noise, cleaner exhaust, lower fuel consumption and be safe to operate in the air traffic control system. Other requirements are flying close to the speed of sound; reach a range of approximately 7,000 miles; and carry between 50,000 and 100,000 pounds of either passengers or cargo.

Here are a few of the designs submitted:



The design submitted by Northrop Grumman.



The design submitted by The Boeing Company.



The design submitted by Lockheed Martin.

Wings Over GILLESPIE AIR SHOW

JUNE 3 - 5, 2011

GILLESPIE FIELD, EL CAJON, CA

GO TO WWW.AGCAF.ORG WEBSITE FOR LATEST "WINGS OVER GILLESPIE" AIR SHOW UPDATES AND ADVANCE TICKET SALES INFORMATION

Wings Over Gillespie 2011

By: Major Dennis Ammann

San Diego Cadet Squadron 144 is supporting Wings Over Gillespie (WOG) Air Show on 4 and 5 June 2011 This will be the 16th year that Commemorative Air Force, Air Group One, located at Gillespie Field, El Cajon has organized this “small town” air show.

All types of WWII and antique aircraft fly-in from all over the southwest to enhance this air show. Our job is flight line security, a task many of you are all too familiar with and offer an outstanding opportunity to work next to some great pilots and aircraft. Two aerobatic acts: John Colver and his War-dog (AT-6 Texan); and The Red Stars featuring their Russian made aerobatic aircraft. Some of the aircraft that will be at WOG include: B-17G Flyingfortress, Mk IX Spitfire, Northrop N9M Flying Wing, F4U Corsair, C-53 Sky-trooper, P-51 Mustang, L-19 Bird Dogs, PT-17 Stearman, T-34 Mentors, AT-6 Texans, and numerous antique aircraft in the static display area.

Our jobs start early at 0630 each morning. Every one is encouraged to attend this fantastic airshow. Check the Squadron 144 website or contact Maj Amman if you have any questions.

In The Box and Goldstone Tour

We are scheduling a tour of the Fort Irwin, CA National Training Center at Fort Irwin in the Southern California Desert on 11 June 2011! FAMILY FRIENDS AND GUESTS ARE WELCOME! For those of you who don't know, Fort Irwin is where the Army performs the final phase of Combat Training for soldiers deploying to Iraq (at one time) and Afghanistan. The situation is real, the equipment, real, the wounds (almost) real. To see more about the tour go to www.GoInTheBox.com and check it out.

We will also have the unique opportunity to visit the Goldstone Deep Space Communication Network part of the DSN. The NASA Deep Space Network - or DSN - is an international network of antennas that supports interplanetary spacecraft missions and radio and radar astronomy observations for the exploration of the solar system and the universe.

The cost is \$30.00 / person. This DOES NOT include lunch at the mess hall. **SPACE IS LIMITED SO MAKE YOUR RESERVATION WITH MAJOR VETA EARLY!!!**

SAFETY

Firearms Safety Rules

By: Capt Chris Natwick

With the possibility of a Marksmanship weekend this month's safety article will cover the basic firearm safety rules.

1. Keep your firearm pointed in a safe direction
2. Keep your finger off the trigger until you are ready to fire.
3. Keep firearm unloaded until it's ready for use.
4. Know your target and what is beyond it.
5. Make sure your firearm is safe to use.
6. Wear proper safety equipment while shooting (Eye and Hearing Protection).
7. Make sure you are using the correct ammunition for your firearm.
8. Never operate your firearm while under the influence of prescription drugs.
9. After discharging your firearm remember to wash your hands thoroughly.
10. Obey all commands from range staff.

It is important to remember that while firearms can be dangerous, applying the proper firearms safety rules will prevent accidents and allow everyone to enjoy their day at the range.

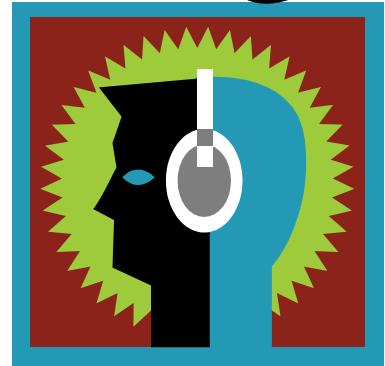
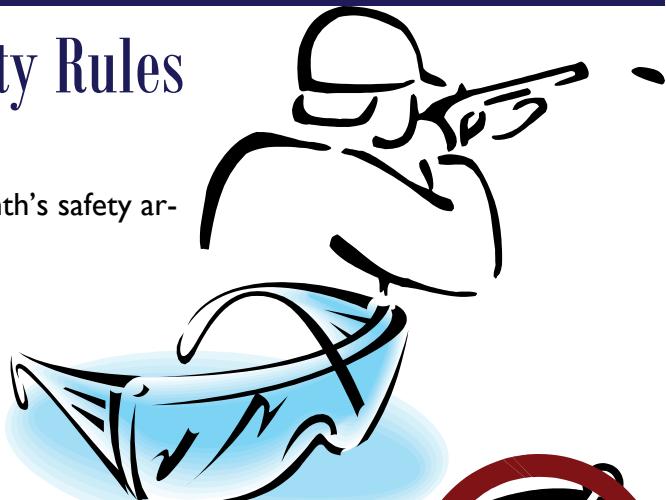
Cadet Commander's Corner

Greetings Squadron 144 Cadets, Seniors, Sponsors, and Parents,

I can tell you that I could not be more proud of the squadron after the Subordinate Unit Inspection last month. The positive image that was presented by each cadet was amazing. With sharp uniforms, a professional attitude, and outstanding cooperation, the cadets displayed what the Phoenix Squadron is all about!

As we get closer and closer to the summer months, I ask each of you to do one thing: RECRUIT! Being away from school, a lot of your friends are thinking about what to do in their free time. Help them out, introduce them to CAP. Tell a friend about the incredible opportunities that Civil Air Patrol has to offer and get them involved!

Keep up the good work,
DANIEL GORIN, C/Capt, CAP
Cadet Commander, Sq 144





California Wing – Civil Air Patrol
**NRA Basic Rifle Class
and Bivouac**
@ Escondido Fish & Game
24-26 June, 2011



Scope and Objectives of Course:

A team of NRA Certified Firearms Instructors in conjunction with Civil Air Patrol (CAP) Skyhawk Composite Squadron 47 will provide the NRA Basic Rifle Shooting course. The 14-hour course deals with the basic knowledge, skills, and attitudes necessary for the safe use of a rifle in target shooting. The fee covers the NRA "The Basic Rifle Shooting" textbook; NRA Safety Rules pamphlet, firearms use, ammunition, and NRA Course Completion Certificate. Course is focused on:

- **Rifle Knowledge and Safe Gun Handling.** Principal parts of a rifle, action types, and how they function will be demonstrated. NRA rules for safe gun handling will be explained, applied and adopted through the class for future use when around or using rifles. Handling rifles in a safe manner will be demonstrated. Rifle Cleaning will be accomplished.
- **Ammunition Knowledge and Fundamentals of Rifle Shooting.** The different components of a rifle cartridge and their intended use will be explained. The five fundamentals of shooting a rifle will be identified and demonstrated.
- **Firing the First Shots.** The knowledge, skills and attitude necessary to safely shoot a rifle on the range will be demonstrated. Students will shoot at a target using the five fundamentals of rifle shooting.
- **Students will learn to safely shoot from the following Positions:**
- Bench Rest , Standing , Prone, Kneeling, and Sitting Rifle Shooting Position.

Arrival @EF&G 16525 Guejito Road, Escondido, CA. 92027/ Fri. 24 June 2011 from 1600 to 2000
Graduation will be held late afternoon Sunday: June 26. Come prepared. See below.....

Full Event Cost includes (Learning Materials, Rifles, Ammunition, Meals, and Campsite): \$ 50.00

CAWG Form 150, and EF&G permission slip required for all CAP members, Uniform for event is BDU's; Be sure to bring a Tent, Sleeping Bag, toiletries, snacks, water, and appropriate outdoor clothing.

Questions ???

Call; Capt. Dave McGregor Project Officer @ 760-497-0188 EMAIL bigmacsq47@yahoo.com or Maj Robert Calderone @ 562-852-3881

Earn Additional NRA qualifications at Future events!!!



Citizens Serving Communities
Above and Beyond

Civil Air Patrol

San Diego Cadet Squadron 144

Direct questions, comments, and submissions to:

1st Lt Sonya Petty

Phone: 918-361-6730

E-mail: smmrinkrat@yahoo.com

For more information about CAP visit:

<http://www.gocivilairpatrol.com>

<http://www.capmembers.com>

<http://capnhq.gov>

Civil Air Patrol

Citizens Serving Communities: Above and Beyond

Civil Air Patrol was founded in December 1941, one week before the Japanese attack on Pearl Harbor, by more than 150,000 citizens who were concerned about the defense of America's coastline. Under the jurisdiction of the Army Air Forces, CAP pilots flew more than one-half million hours, were credited with sinking two enemy submarines and rescued hundreds of crash survivors during World War II. On July 1, 1946, President Harry Truman established CAP as a federally chartered benevolent civilian corporation, and Congress passed Public Law 557 on May 26, 1948. CAP was charged with three primary missions – aerospace education, cadet programs and emergency services. With the passage of Public Law 106-398 in October 2000, Congress provided that "The Civil Air Patrol is a volunteer civilian auxiliary of the Air Force when the services of the Civil Air Patrol are used by any department or agency in any branch of the federal government."

<http://www.sq144.com/>

Achievements and Accomplishments

April Promotions:

- Terence Belprez was promoted to C/Amn
- Charles Broderson was promoted to C/Amn
- Sofia Horton was promoted to C/Amn
- Peyton Jasso was promoted to C/Amn
- Danyon Olson was promoted to C/Amn
- Ian Rigg was promoted to C/SSgt

April Achievements:

- C/SSgt Ian Rigg received the Wright Brothers Award

April Accomplishments:

- Cadets Terence Belprez, Charles Broderson, Sofia Horton, Peyton Jasso, and Dayon Olson graduated from the Basic Training Flight!
- Cadets Jennifer Ngo and

Justin Ngo officially joined Squadron 144!

- Squadron 144 successfully passed the Squadron Unit Inspection. Congratulations and keep up the great work!
- New cadet staff positions were announced. Congratulations to everyone on their new positions!

Did we miss a promotion, achievement, or accomplishment? Send submissions to 1st Lt Sonya Petty no later than three days before the end of the month.