

CIVIL AIR PATROL  
SAN DIEGO CADET  
SQUADRON 144

SPECIAL  
POINTS OF  
INTEREST:

- Achievements and Accomplishments on Page 1
- Check out upcoming events on Pages 2 & 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

INSIDE THIS ISSUE:

Accomplishments & Achievements	1
April Calendar	2
May Introduction	2
March Memory Work	3
Aerospace Knowledge	4
Aerospace Current Events	5
Safety	6
Cadet Programs Conference	7
April Memory Work	8

# Squadron 144



## News

VOLUME 2, ISSUE 4

SAN DIEGO CADET SQUADRON 144

## Achievements and Accomplishments

Normally, this section is on the last page of the newsletter. With great pride, I can announce that the cadets of Squadron 144 have gone above and beyond and made March one of the most remarkable months in the history of Squadron 144 through their outstanding commitment to CAP and to the improvement of themselves and their Squadron. Congratulations to everyone at Squadron 144! Keep up the great ENTHUSIASM!!!

- Bryce Duggan was promoted to C/SrA
- Kaylin Munzenmaier was promoted to C/AIC
- Lauren Munzenmaier was promoted to C/SrA
- George Scott was promoted to C/SrA
- Adela Jones was promoted to C/SSgt
- Calvin Amos was promoted to C/SSgt
- Zoe Horton was promoted to C/MSgt
- Christian Hodson was promoted to C/MSgt
- Jesse O'Keefe was promoted to C/2dLt

### March Promotions:

- Everett Costello was promoted to C/TSgt
- Stephanie Reid was promoted to C/Amn
- Jennifer Reid was promoted to C/Amn
- Alexander Elwers was promoted to C/Amn
- Sebastian Tomacelli was promoted to C/Amn
- Jacob Veta was promoted to C/TSgt
- David Veta was promoted to 2nd Lt
- Thomas zu Hone was promoted to C/SrA

- Mitchell Award
- C/Capt Joshua Flewelling received a Commanders Commendation
- C/MSgt Zoe Horton earned the GTM III Qualification last month
- C/2dLt Jesse O'Keefe earned the GTM III Qualification

### March Accomplishments:

- Jennifer Reid, Stephanie Reid, Alexander Elwers, and Sebastian Tomacelli graduated from BTF!
- Cadets Brandon Meek, Cole Meek, Analysia Marquez, and Jason Vanderhyde officially joined Squadron 144!
- C/CMSgt Hanna Olson has transferred to Squadron 144!

### March Achievements:

- C/SSgt Adela Jones was earned the Wright Brothers Award
- C/SSgt Calvin Amos was earned the Wright Brothers Award
- C/2dLt Jesse O'Keefe was earned the Billy

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.

## Upcoming Events

- ⇒ April 1-3  
Encampment Staff Selection  
Ft. Hunter Liggett, CA  
Cost: \$20
- ⇒ April 5  
Squadron 144 Staff Applications Due
- ⇒ April 16  
Squadron 144 Staff Training Day  
El Cajon, CA  
Cost: FREE
- ⇒ April 30  
Group 7 ACUT/MRO Class  
JFTB, Los Alamitos, CA  
Cost: \$10
- ⇒ May 14 (Tentative)  
Titan & Saturn Phase Rocket Launch  
Fiesta Island, CA
- ⇒ May 27-30  
CAWG Cadet Programs Conference  
Camp SLO  
Cost: \$115
- ⇒ June ??? Date TBD  
Woodland Survival Bivouac  
More Info Coming Soon!
- ⇒ June-July  
Various National Activities
- ⇒ June 4  
Wings over Gillespie  
El Cajon, CA  
Cost: TBD
- ⇒ June 11  
In the Box & Goldstone Telescope  
Tours  
Ft. Irwin, CA
- ⇒ June 17  
ASTC Tour  
MCAS Miramar, CA
- ⇒ July 16-23  
CAWG Encampment  
Camp Pendleton, CA  
Cost: TBD

## APRIL 2011

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
					Encampment Staff Selection	
3	4	5	6	7	8	9
	Staff Select		Weekly Meeting			
10	11	12	13	14	15	16
		Weekly Meeting				Staff Training
17	18	19	20	21	22	23
		Weekly Meeting/SUI				
24	25	26	27	28	29	30
		Weekly Meeting				ACUT/MCO

## MAY 2011

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
		Weekly Meeting				
8	9	10	11	12	13	14
		Weekly Meeting				ROCKET
15	16	17	18	19	20	21
CAWG SAREX		Weekly Meeting				SAREX
22	23	24	25	26	27	28
		Weekly Meeting				Cadet Programs Conference
29	30	31				
CP Conf		Weekly Meeting				

# Basic Cadet School (BCS) Was a Success!

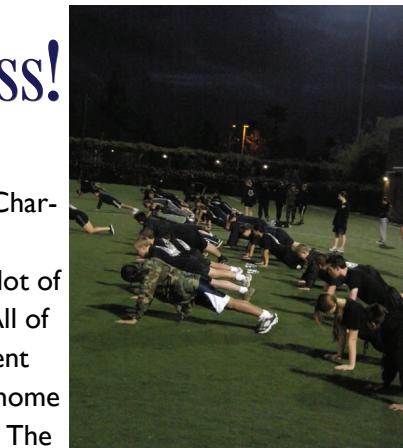
By: C/MSgt Zoe Horton



This weekend, 25-27 MAR, at Escondido Charter High School there was a Basic Cadet School. There were staff members with a lot of experience and basic cadets with a little. All of them performed well and the weekend went smoothly. None of the basic cadets went home early and everyone learned and improved. The basic cadets were introduced to Civil Air Patrol. They learned customs and courtesies, proper wear of the uniform and correct drill procedures. They were also taught about the three CAP missions (Emergency Services, Aerospace Education, and Cadet Programs), about CAP in general, and how to get more involved in the future.

Everyone one of the cadets preformed well, but I would have to say 144 stood out. It was impossible to not notice that 144 had the most cadets of

any squadron there. Our cadets knew the material and demonstrated it through the entire BCS. They learned from and listened to the staff and I hope to see them bringing everything they learned back to the squadron and using it.



**The Cadet Commander's Corner has moved to Page 6 this month!  
Find April's Memory Work on Page 8!**

## Getting to Know you Cadet X0—Alexander Lange

By: C/2dLt Alexander Lange

Hello there all of you reading this portion of the newsletter. I am C/2d. Lt Alexander Lange and here is a little about me: Aside from the long walks on the beach at sunset with the other members of Squadron 144's Executive Staff, where we methodically plan out the agenda for the coming week's meeting, I am a normal person. I go to school at San Diego State University and currently study business. I have held a private pilot certificate since May 17, 2009 and will never forget the day I got it. I co-own a photography business and get paid to shoot people. When I'm not shooting people, I also work at TARGUSinfo as an intern and hold a part time position as a disc jockey for a local DJ company. On weekends, you can always find me cruising around downtown San Diego with a camera in hand.



Pet peeve: When I'm drinking from the water fountain at the meetings and C/Capt. Flewellen uses the other fountain simultaneously and makes my water arch go down.

# Birds—Friend or Just a Pest?

By: C/2dLt Jesse O'Keefe



Sea Gull, Crow, Pigeon, Common Sparrow, Canada Goose; Read those names again. What picture do you get in your mind? Most of us have had some experience with at least one of these species of

birds, and usually that experience was less than positive. The Sea Gull ( here in SD more accurately, the Pacific Gull ), nearly starts riots on the beach, and has the potential to ruin a nice day at the park. The Crow ( or the Raven, both are nearly identical and take a trained eye to differentiate between one or the other ), overpopulates large urban and rural areas alike, and partakes in the everyday occurrence of road kill, sometimes becoming a contributor to said food source. The Pigeon (in most cases the Rock Dove) strikes fear into the imaginations of pedestrians and beach goers alike while perched on top of overhanging signs or lights. No less are the Common Sparrows we see around food courts that "clean up" after us. The terror of the Canada Goose ( or similar species ) has had widespread effect among children at the duck ponds. ( I was personally chased by one such bird. Whether a Swan or a Goose I don't remember, but I do remember not liking birds for a while after that.)



The word nuisance comes to mind at almost every mention of these names. And although sometimes these birds are truly that, there are some amazing attributes to each of these. The Raven, is one of the most commonly ob-

served species of the genus Corvus, which currently holds the position as the #1 in bird IQ ( No, I'm not joking). At the beach, watching the Pacific Gulls swarm above a sandwich, no matter how common, can prove an interesting prospect. The pattern they form can resemble a hurricane, with the sandwich holder in the eye. As soon as the food is abandoned, the hurricane forms into a tornado, destroying the sandwich in a flurry of activity. The pattern is amazingly efficient and brilliant, despite their motives. As they circle, they harness all of the energy possible from the heat being dispersed by the sand ( assuming this is a hot day ), and ride the rising air to give maximum flight time for least amount of energy expended.

This pattern repeats itself across the full spectrum of "pest birds". If we look at any one bird that is considered a nuisance, we are sure to find some characteristic that gives every bird a silver lining. Maybe my nature naturally stands up for the underdog, but some of the "pest birds", are my favorites (Aerodynamically speaking).

The Turkey Vulture is hated by many because of several reasons. 1. They are very ugly. 2. They are many. 3. Rumor has it that they will carry off small dogs, cats, and even children. In some parts of southwestern America, back when it was Mexican farm and ranch land, the Turkey Vulture was accused of killing cattle! In reality, the Turkey Vulture was mixing with flocks of its close cousin the Black Vulture. The Black Vulture is fully capable and willing to kill a beef critter if it means dinner, and the Tur-

key Vulture was just tagging along. With that myth dispelled,



the Turkey vulture is capable of soaring for hours only flapping its wings to move between moving bodies of air. The moving bodies of air are harvested by the Vulture effortlessly. It knows exactly what position to lock it's wings into to get maximum flight time from whatever energy is present.

The Canada Goose is another common example of a "pest bird", but more recently obtaining this title among pilots. Many meetings between aircraft and the Canada Goose have often resulted in casualties to both parties, leaving ruffled feathers and humbled pilots in their wake. The Canada Goose is an aerodynamic and navigational marvel. Not so much the individual, but the flying wing that migrates south every year. As they fly in their V formation, the lead goose breaks the induced headwind with it's own beak and neck, smoothing the airflow for the individuals behind it. Not to mention the instinctive flight south every year, which is accomplished by flawless navigation when not interfered with.



Like I said earlier, maybe my nature naturally stands up for the underdog. But if you ever find yourself encountering a "pest bird", I would encourage you to observe it carefully, and do some research. You might be surprised.

# Shuttle Endeavour Rolls out for STS-134

Article Provided By: <http://www.nasa.gov>

**Mon, 28 Mar 2011 05:55:50 AM PDT**

At NASA's Kennedy Space Center in Florida, workers at Launch Pad 39A will begin closeout work on space shuttle Endeavour's aft section today in preparation for tomorrow's STS-134 crew arrival.

Endeavour's six astronauts are scheduled to arrive at Kennedy's Shuttle Landing Facility Tuesday at approximately 7 p.m. EDT to begin the full-dress launch rehearsal and other related training called Terminal Countdown Demonstration Test, or TCDT. The crew's arrival will be shown live on NASA TV ([www.nasa.gov/ntv](http://www.nasa.gov/ntv)).

Endeavour's 14-day mission will deliver the Alpha Magnetic Spectrometer-2 (AMS) to the International Space Station. AMS, a particle physics detector, is designed to search for various types of unusual matter by measuring cosmic rays. Its experiments are designed to help researchers study the formation of the universe and search for evidence

of dark matter, strange matter and antimatter. Endeavour also will fly the Expedite the Processing of Experiment to Space Station (Express) Logistics Carrier 3 (ELC3), a platform that carries spare parts that will sustain space station operations once the shuttles are retired from service. The mission will feature four spacewalks to do maintenance work and install new components. These are the last scheduled spacewalks by shuttle crew members. Shuttle mission STS-134 is the final flight for Endeavour and the second to last flight for the Space Shuttle Program.

Endeavour, the last orbiter built, flew its maiden voyage on May 7, 1992, on mission STS-49. Later missions included the first servicing mission to the Hubble Space Telescope on STS-61 in December 1993; delivery of the first American component of the space station, the Unity Module, on STS-88 in December 1998; and the flight of the first educator astronaut, Barbara Morgan, who flew into space on STS-118 in August 2008.

Endeavour's final flight, on the STS-134 mission to the International Space Station, is targeted to launch at 7:48 p.m. EDT April 19.



Image above: The rotating service structure on Launch Pad 39A was rotated to an open position to accept the payload delivery for space shuttle Endeavour's STS-134 mission. Photo credit: Frank Michaux

## Orientation Rides

By: C/SrA Ian Rigg



On the weekend of March 12th cadets from Squadron 144 got the opportunity to go on orientation rides through Civil Air Patrol. All of the cadets that participated were asked to report to Fallbrook airport by their specified time in order to fly. Most cadets flew in pairs on the two hour flights that took them from Fallbrook to Hemet, roughly a 35 mile distance between

two airports. The cadets were taught different topics depending on which flight they participated, some cadets were taught the basics of flight while other cadets were taught about other functions of the airplane – all while in view of the snow capped San Bernadino and San Jacinto Mountains. O-Rides are a great event that are always a can't-miss opportunity!

Squadron 144 extends a very big THANK YOU to the Fallbrook Senior Squadron 87 for flying the cadets on both Saturday and Sunday!

## First Test Orion Crew Module Shipped

Article Provided By: <http://www.nasa.gov>

NASA and Lockheed Martin engineers shipped out the first Orion crew module spacecraft structure on Monday, Feb. 10, from NASA's Michoud Assembly Facility in New Orleans, La. The spacecraft is headed to Lockheed Martin's Denver, Colo., facilities where it will undergo a series of rigorous tests to confirm Orion's ability to safely fly astronauts through all the harsh environments of deep space exploration missions. Soon after the spacecraft arrives in Denver, it will be integrated with the heat shield and thermal protection backshell before undergoing environmental testing. This crew module will also go through a series of simulated landing scenarios at NASA Langley's new Hydro Impact Basin. The Langley facility will be used to test, validate and certify water landings for all human-rated spacecraft for NASA.

Built to spaceflight specifications, this Orion ground test vehicle has already validated advanced production processes, equipment and tools required to manufacture the Orion crew module space flight hardware. Data collected from the testing and pathfinding operations will be incorporated to enhance design, requirements, tooling, processes, inspection and test that will ultimately result in a safe, reliable and affordable human-rated space exploration vehicle.

Orion has passed critical human-rating milestones, including Orion's flight test of its launch abort system and the successful phase one safety review that validated Orion meets many of NASA's stringent requirements for safe human spaceflight.



## SUI Rescheduled for 19 APR 2011

Wing Headquarters will be conducting a Subordinate Unit Inspection (SUI) of Squadron 144 on Tuesday night 19 APR 2011. This means that guests will be attending the Squadron meeting and Cadets and Senior Members should be dressed to impress and showing the customs and courtesies you display on a regular basis.

- Uniform for the inspection will be Class A Blues for everyone who has them and Class B Blues for everyone else.

- On the night of the inspection, Cadet Sponsors will be assisting the Cadet Staff as necessary to complete the regular squadron meeting.

The rescheduling was due to a newly released SUI Guide dated 01 MAR 2011. Thank you for your patience.

If you have any comments or questions, please direct them to Capt Ross Veta.

## Cadet Commander's Corner

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

As we are ready to begin the month of April, the squadron is booming. With an average weekly attendance of over 30 cadets, Squadron 144 is reaching new heights! Congratulations to all new members and recent Basic Training Flight graduates.

If you want to help the growth of the Phoenix squadron, get your applications in for staff positions! The cadet leadership of the squadron propels our success and everyone could take part. Whether you are a recent BTF graduate or a senior NCO, you could contribute to a rapidly growing organization. All that is required is a brief cover letter and resume. Applications for line staff and support staff positions are due on 5 April. Your enthusiasm is appreciated!

Keep up the good work,

DANIEL GORIN, C/Capt, CAP

Cadet Commander, Sq 144

## SAFETY

## Driving with a Cell Phone—Do NOT Do It

By: Capt Chris Natwick

We all know that driving with your cell phone can be dangerous and if you are not using a hands free device it is against the law. Here are some practical suggestions to keep you safe while using your cell phone in the car.

To make your day a little safer and your life a little easier, here are some cell phone safety tips:

- Try to place calls while your vehicle is stationary.
- Use a "hands-free" or speaker phone accessory (these are available for most if not all hand-held cell phones). Not only does this allow you to keep your hands on the wheel and your eyes on the road, but using a hands-free kit keeps the phone further from your head reducing exposure to the alleged tumor-causing radiation.
- Never read or write text messages while driving. Taking your eyes off the road for a second or two can result in a collision. Pull over to the side of the road if you must text.
- Program frequently called numbers into your phone's memory allowing you to keep dialing to a minimum.
- If you must dial when the car is moving, hold the phone at eye level so you will have a clear view of the road.
- Do not make emotional phone calls while driving (quitting your job, breaking up with a boyfriend or girlfriend, etc.) as you will be focused primarily on the call rather than your driving.
- Never read or write while the car is moving. If you must write a note or take down a phone number during a conversation, PULL OVER!
- Make sure your phone is within easy reach while driving.
- Be careful when pulling over to place calls. To avoid being a crime victim, do not stop in dangerous areas and keep your car doors locked.
- If your phone is connected to your car's power source, disconnect your phone before using jumper cables. The power surge could damage your phone.
- Make sure 911 is programmed into your phone's memory should you need to report an accident or other emergency.

Following these helpful tips and obeying the cell phone laws in your area will make you a safer driver. You will avoid tickets and collisions, thereby allowing you to continue enjoying low car insurance rates!





California Wing – Civil Air Patrol  
**CADET PROGRAMS**  
**CONFERENCE**  
@ Camp San Luis Obispo  
**28-30 MAY 2011**



Meet new friends and visit with old ones. Learn new and interesting things about CAP.  
Push your CAP career forward!

**APPLY TODAY!**

**\*\* ANNUAL CADET BANQUET \*\***

**\*\* CADET PROGRAMS DIRECTOR'S RECEPTION \*\***

The Director of Cadet Programs invites all Senior Members to this informal gathering to discuss the Cadet Program.

**Some seminars that will be offered:**

- How to start your path in Emergency Services
- UDF Introductory Course
- First Aid & CPR
- Model Rocketry
- Map & Compass Course
- How to Survive at the Banquet (aka Etiquette)
- Swing and Line Dancing
- Firing Simulator
- Cadet/ Officer and Senior NCO round table discussion
- Plus lots of old favorites and many new adventures!

**Arrival** to CPC Fri. 27 May 2011 from 1800 to 2300 or Sat 28 May 2011 by 0730  
NO dinner will be offered on Fri. Please come prepared.

***Applications must be postmarked by 15 April 2011 for early pricing***

Early Application Price for the Full Conference {billetting for 3 nights, 6 meals & the banquet}: \$ 115.00  
Pre-approved Staff (Cadet and senior): \$90.00

At this time we are not offering Banquet only tickets.

Questions: Please call Lt Col Hanley @ 213-716-1373 or Lt Col Hartwell @ 626-233-2999

CAWG Form 150 and Application Cover Sheet are required for all CAP members

Send CPC Application Cover Sheet, CAWGF 150 & Check (made out to CAWG/CPC 2011)  
or PayPal (see [www.cawgcadets.org](http://www.cawgcadets.org)) to:

Lt Col Valerie Hanley  
4575 Rudisill Street  
Montclair, CA 91763

For further information [www.cawgcadets.org](http://www.cawgcadets.org)

**Don't wait! Apply today!**



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/>

## April Memory Work

By: 1st Lt Sonya Petty, Squadron Leadership Officer

April's Memory Work should be known by everyone involved with Civil Air Patrol. This is what we do and why. Cadets must be prepared to site these when asked in Review Boards and during uniform inspections.

### CAP Vision Statement

"America's Air Force Auxiliary, Civil Air Patrol, building the nation's finest force of citizen volunteers - performing Missions for America."

### CAP Mission Statement

"To serve America by performing Homeland Security and humanitarian missions for our communities, states, and nation; developing our country's youth; and educating our citizens on the importance of air and space power."

### Civil Air Patrol Motto

"Semper vigilans" (Always Vigilant).

