



EL GRITO DEL CUERVO THE CRY OF THE CROW

Special points of interest:

- Do you have any interesting information or stories you would like printed in the newsletter. Send them to Don Macaulay, Newsletter Editor, "usaret@texas.net" or call me at 967-4462.
- Any articles received by the Newsletter Editor become his property. He has the right to use or reject articles based on applicability and neatness.

EW School Graduates Class 01-04



Graduating class from L-R, 2Lt Kip Blackwell, 2Lt Jimmy Smith, 2Lt Dave McManus, 2Lt Al Clay, Capt Danny Nguyen, Capt Steve Burgh (Class Leader), 2Lt Rob Johnson, 2Lt Chris Werner, Major Pat Gallogly (Asst. flight Commander) and Capt Dave Drapeau (Flight Commander).
Directly below on the right is Maj. Pay Gallogly presenting the AOC Sponsored Col Mike Gilroy award to the Top EWO Graduate for class 01-04.

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In the photograph in the center, Capt Danny Nguyen receives the Academic Ace Award from Major Stewart Price.



New Major Jack E. Donovan Award

The Major Jack E. Donovan is a new Award is presented to the Top Electronic Warfare Officer graduate for each Joint Specialized Undergraduate Navigation Training (JSUNT) class at the 563rd FTS. This award is given to the individual who distinguished him/herself from his/her peers by outstanding airmanship, academic, and officership skills. This award honors Major Jack E. Donovan.
Major Donovan began his career as a Strategic Air Command EWO in B-52s. During Viet Nam, he transitioned to the fledgling Wild Weasel program where he became the first fighter EWO to kill a surface-to-air missile (SAM) site. He was also an original member of the Electronic Warfare Tactics School at Nellis AFB, leading the development of numerous EW systems such as the F-105G and F-4G Wild Weasels. Maj. Donovan is credited with much of the conceptualization and design of our now commonplace Radar Warning Receivers and Self-protection Jamming Pods.

563rd FTS Brown Bag Lunch Lectures

We need members to send in topics for presentation in the January through July time frame. The briefing must be secret or below and take around 50 minutes to present to an audience of Instructor EWOs and their students. Topics should be of interest to Electronic Warfare Officers and deal with radars, new technology, weapon systems, radio technologies, etc. Any questions should be directed to Captain Al Patton at 652-9360. We have had two great briefs so far on Directed Energy Weapons and Spread Spectrum Technology.

Presidents Corner & Christmas Party



I would like to wish all of you a Merry Christmas and Happy New Year. It has been an outstanding year for the BMCAOC and we have much to be thankful for.

Our Christmas party this year is going to be a bit different. The 563rd Flying Training Squadron (the EW School House) at Randolph AFB has graciously offered to open its doors and host the BMCAOC Christmas party on the 6th of December 2000 from 7:00 until 9:00PM. In addition to the excellent food and "outstanding" camaraderie, the 563rd will also provide briefings on the 563rd FTS, the EWO simulator and memorabilia from the past. There is information in the Newsletter, on the BMCAOC Web site and we will be sending out E-mail notices. Please RSVP Pat Gallogly by the 4th of December 2000 so we will have enough food, drink and assistance with BMCAOC visitors in getting on base and to the 563rd Squadron Building. Sorry for the short notice, but our plans to have the Christmas party at one of the local military clubs resulted in the dou-

bling of the cost from last year. The Board of Directors felt the additional money would be better spent on Scholarships and Enlisted Tuition Grants.

I would like to thank Lt Col Rexford, Commander of the 563rd for opening and supporting the local crows and to Pat Gallogly for attending to all the details. I will not be able to attend because of business commitments but will be with you in spirit. I know it will be a special time.

After the first of the year, we will have our Awards luncheon to recognize our local volunteers, our outstanding Board members, and our scholarship & Enlisted Tuition Grant winners. More information will be provided as we work out the details. Again, have a very Merry Christmas and may God bless.

Tom White

President BMC AOC

BMC-AOC Christmas Party

The 563rd Flying Training Squadron will open its doors to all AOC visitors on the night of the **6th of December from 7:00 until 9:00 PM**. The Billy Mitchell Chapter of the AOC will hold its annual **Christmas Party** at the same time. The location will be the 563rd FTS building at Randolph AFB.

Some items of interest include the EWO simulator, a briefing on the 563rd itself, and memorabilia from past. Those wishing to attend can contact Major Pat Gallogly at 652-9379 or E-mail him at "Patrick.Gallogly@Randolph.AF.mil" Please **RSVP by 4 December**. The usual formalities are required such as number of people and more importantly, who wishes access to get on base. I will have additional information available as the RSVPs begin to arrive.

Games Night Status Report—11 November 2000

Farewell-RIP: Lena Beasley and Steve Mackenstadt. Welcome back: Jim Wilson

Saturday evening, 11 November, saw another great turnout for bridge, pinochle and dominoes, as well as for optional social and optional dinner before games started.

As detailed below, we sadly report the passing of AOC members and regular bridge players **Lena Beasley**, who died suddenly, and **Steve Mackenstadt**, who succumbed after a long illness.

Thanks go to this month's **sweets-from-the-sweets: Ruby Aldrich, Claudia Cowley, JoAnne Ector, Carole Fairbanks, and Mary Ann Proctor**. In one sense I'm sort of glad we are taking the month of December off, because another night of such deli-

cious candies, cakes and cookies, coupled with Thanksgiving and Christmas would cause this writer to have to buy even wider waistband trousers. Results of play follow.

BRIDGE (by **Fred Aldrich**). Another fun filled night of bridge, with nine tables of bridge competing for the coveted prize money.

We sadly missed the

presence of one of our regular players, **Lena Beasley**, however, we played this evening in the spirit of happiness, as she would have preferred. Also former AOC member **Steve Mackenstadt**, who with wife **Suzy**, had played with us regularly until his illness wouldn't let him attend anymore, will also be missed at the bridge tables.

After five rounds of play, the winners that emerged were: **Naida Kisinger** (6,200), even with a zero round; **Emma Wright** (5,910), who vowed to give half her winnings to her

(Continued on page 6)

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Enlisted Tuition Grants Awarded

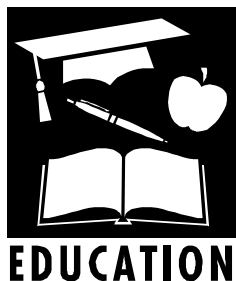
Chief Master Sergeant Bob Flores, Enlisted Tuition Grant Chairman, distributed 18 checks totaling \$3,880 to deserving local enlisted members. Grants were for the second term of the fall semester. The lucky recipients were:

SrA Travis E. Aldrich
 TSgt David W. Allen
 SSgt Enrique Cerda
 SrA Amy L. Christianson
 TSgt James H. Circe
 TSgt Cathleen Coyle
 MSgt Gary D. Cunningham Jr.
 SrA Michelle T. Davies
 SSgt Christina Davis
 SrA Marcia Gomez
 SrA Vince A. Holtmann
 SrA Adrian McLure
 TSgt Freeman Moore III
 SSgt Jeffery J. Nickles
 SSgt Debbie L. Ortega
 SrA Erik C. Segabache
 SSgt Tory K. Snyder
 TSgt James M. Thompson

Of the 18 recipients; 11 are attending Park University, 3 Wayland Baptist University, 2 Palo Alto College, 1 St Philips College, and 1 Northwest Vista College. Seven recipients are pursuing associate degrees and eleven bachelor degrees.

The Enlisted Tuition Grant (ETG) program helps eligible active duty enlisted personnel from all services attain a service approved associate degree or under graduate degree. The ETG program can provide funds for the cost of books, fees, and tuition that isn't payable by the Government. For more information about the Enlisted Tuition Grant program and applications contact the Installation Education Office or visit the Billy Mitchell Chapter web site <http://www.bmcaoc.org>.

*By CMSgt Bob Flores
 Chairman
 Enlisted Tuition Grant Program*



AIA Structure Changes

The Air Force announced a force structure change Oct. 26 that aligns the Air Intelligence Agency under Air Combat Command, Langley Air Force Base, Va., effective Feb. 1, 2001.

Maj. Gen. Bruce Wright, AIA commander, said the realignment "doesn't require the relocation of any units and I expect any changes to manning levels to be minimal. "This change is the result of the Air Force's recognition of the critical importance of AIA's information operations mission," he said. "Our Air Force senior leadership clearly appreciates what we bring to aerospace operations and now we'll be much better integrated than in the past. "We're a weapon system, the same as fighters and bombers," he added. "We're another arrow in the quiver of a joint force commander to use in his operations."

The realignment will see AIA's two wings, the 67th Information Operations Wing at Kelly AFB and the 70th Intelligence Wing at Fort Meade, Md., align under ACC's 8th Air Force, headquartered at Barksdale AFB, La. AIA headquarters will align under ACC headquarters as a primary subordinate unit. AIA's three centers, the National Air Intelligence Center, Wright-Patterson AFB, Ohio; the Air Force Information Warfare Center at Kelly, and the Air Force Technical Applications Center, an administratively supported unit at Patrick AFB, Fla., will continue to be aligned under the San Antonio headquarters.

Wright will remain in San Antonio as AIA commander but will pick up additional responsibilities as the 8th Air Force deputy commander for information operations and also retain command of the Joint Information Operations Center.

National Notes

For your planning, the final national event for 2000 will be: the NAVWAR III Conference (SECRET, U.S. Only), December 12-13 at Mitretek, McLean, Virginia.

Please help spread the word that the association's web address and the email addresses at the headquarters have changed. The web site is "www.crows.org" and the headquarters staff email addresses can be found on the Contact Us page.

Also, please mention to your members that the membership department at AOC headquarters maintains the database for all mailings from the headquarters and the mailing list for the JED. The only way to change the JED mailing address is to contact the membership department at AOC headquarters, not the JED.

AOC Membership Contact List

Phone: 703.549.1600 or 1.888.OLD.CROW

Fax: 703-549-2589 E-mail: Andy Vittoria:

"vittoria@crow.org" Glorianne Ryan: "gryan@crow.org"

USAF Battlelab Demonstrate Small UAV

Raytheon Missile Systems, under contract with the Information Warfare Battlelab at Kelly AFB, San Antonio, TX, successfully demonstrated its new Small Unmanned Aerial Vehicle (SUAV) "SilentEyes" during flights held on 26-27 October 2000 near Townsend, Montana. Six flights were conducted over two days. Tom French, Major USAF, from the Information Warfare Battlelab attended the demonstration and explains the Micro glider CONOPS to Gen Mike Ryan, CSAF at JEFX99..



During these flights, SilentEyes flew autonomously and reliably and completed various Battle Damage Assessment (BDA) missions including flying waypoints to the target area, circling an obscured target, and transmitting real-time digital imagery of the target area to a ground station. Targets were furnished by the Montana National Guard.

This SUAV is the result of a rapid product development effort that began in January 2000. The Raytheon team designed, developed, and demonstrated a new airframe-bus, wing deployment mechanism, 1-watt digital transmitter, digital video electronics, flight computer assembly, control actuation system, camera



gimbal, and ground station.

As a result of our testing, Raytheon is ready to proceed with a short, specific, and aggressive engineering and manufacturing development and low rate production program.

Our SUAV is capable of flying a variety of payloads for day/night battle damage assessment/ information/ indication, communication relay, precision submunition deployment, suppression of enemy air defenses (SEAD), targeting, air defense, information warfare, placement of unattended ground sensors for surveillance, disruption of communications missions.

The SUAV was released from a Cessna 210 from a wing mounted release mechanism. Target and waypoint coordinates were pre-programmed into each vehicle. The target location was at approximately 4,500 feet MSL. Each vehicle was selected at random prior to each mission. All vehicles were demonstrated in a fixed-wing configuration. One telemetry flight was conducted and five BDA/waypoint



missions were planned. Telemetry and Video was transmitted from the SUAV to a small ground station, which was forward deployed on the test range. The ground station consisted of a receive antenna, UHF receiver, and personal computer for data recovery, storage, and viewing. Five out of six flights were successful.

Flight One (Klinger) was a two-mile, 10,000 foot MSL telemetry flight. This vehicle flew flawlessly, circled the target, and transmitted telemetry for over 8 minutes. This flight was near perfect. This flight demonstrated all system technical features except imaging.

Flight Two (Mechanical Marvel) had the flight failure. Aircraft video showed that the vehicle rolled immediately after release. It is suspected that the elevators were set incorrectly. However, we received video transmission from the vehicle for its short flight.

Flight Three (Biada) was a two-mile, 10,000 foot MSL BDA mission. Video was received throughout the flight.

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Enlisted Tuition Golf Tournament



BILLY MITCHELL CHAPTER

Dear fellow Crow,

The 2nd Annual *FIESTACROW '01* Enlisted Tuition Golf Tournament will be held this year to benefit the Enlisted Tuition Grant Program of the Billy Mitchell Chapter, AOC. The ETG program is our vehicle to provide those funds needed to further college education of hundreds of our enlisted personnel... the backbone of the Armed Forces. Therefore, we are anticipating a **FUN** day of golf, time with friends and clients, food and beverage and relaxing after a superb Technical Symposium. Hole Sponsorship is \$100+ with proceeds going to modest prizes and the bulk to the ETG program. The AOC is a 501(c)(3) organization.

POC: Cliff Moody, MITRE (210) 977-4393 e-mail: cgmood@mitre.org

GOLF TOURNEMENT REGISTRATION AND HOLE SPONSOR FORM

26 APRIL 01 -- FLORIDA SCRAMBLE
 FT. SAM HOUSTON, SAN ANTONIO, TEXAS
 1300 SHOTGUN START

60.00 PER GOLFER - includes B-B-Q & Beer / Drinks!

NAME _____
COMPANY _____ **HOLE SPONSOR \$** _____
FOURSOME _____
TOTAL REMITTED \$ _____
DEADLINE FOR RETURN OF FORM AND FEE: 20 APRIL 01

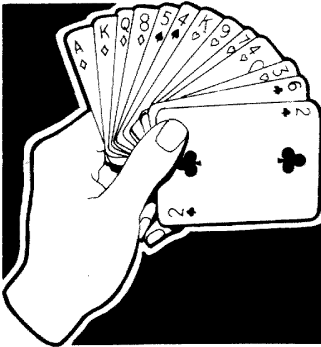
RETURN FORM TO: BILLY MITCHELL CHAPTER AOC
 FIESTACROW GOLF '01
 4335 W. PIEDRAS DRIVE STE 203
 SAN ANTONIO, TEXAS 78228-1210

Games Night—11 November 2000

(Continued from page 2)

church; **Wanda Stewart** (5,500), who bid the price of an Avon lotion by mistake; **Thelma "TC" Forshey** (5,380), who like, the bunny, just keeps winning and winning; and **Joan Engleking** (5,230), who was finally able to win once she got **Ed** away to the pinochle game. Nine (9) dollars was added to the grand slam pot, since there were no winners. **Claudia Cowley** and **Helen Rauch** did bid the grand slam, but were unable to finesse their way to the contract. Last place, but "still-trying-award" went to **Gil Hintz**. See you all on **Saturday, 13 January 2001**; same time, same place.

PINOCHLE. (By **Mark Ashton** and **Anon Y Mous**.)



At table #1, **Dale Burton & "Dak" Proctor** took on **Mark Ashton & Arnie Fairbanks** in a hotly contested race, which is still undetermined at this time. In the first two games, the outcome was clear with **Mark & Arnie**, Arnie clearly winning the first game 530-290. The second game was a whitewash with a 250-0 skunking by **Dale & "Dak."** In the third game, all of the networks declared

the third game for **Dale & "Dak,"** when the score reached 423-247. Long after everyone else had given up, the race was declared too close to call as **Mark & Arnie** pulled ahead on an unofficial count 440-423 a few hands later. At this point the first lawsuits were filed by the litigants and a hand count was done of the final hand awarding the rubber match to **Mark & Arnie** and announcing them as the overall winner for the night. At this point, a manual recount of just the last two hands is underway, and there is a great deal of speculation that the hand count may be manipulated and, thus, require a re-count of all of the scores. We expect that the results can be certified by 13 January 2001, when the next games night is scheduled, but the lawsuits may not be totally resolved. Meanwhile, **Mark & Arnie** are preparing to defend their anticipated win and we also invite everyone else to join the fun.

After enjoying the wedding of their daughter in England, **Sherry & Jim Sheurick** returned to take on the team of **Ed Engleking & Ron Weaver** at table #2. While, all Anon Y. Mous reported is that the teams took a game each, we know from the gabbing and laughter that a good time was had by those players; versatile **Ed**, who usually plays bridge, has more stories than a junkyard dog has fleas.

DOMINOES (Chickenfoot aka CrowsFoot aka Turkey Foot) (By **A.Y.M.**). In the spirit of the month, Chickenfoot dominoes was served up as "**Turkey Foot**" by this evening's players **Joe & JoAnne Ector, Sharon & Bob James, Mary Ann Proctor, Jesse Tatro & Kay Weaver**. From what Anon Y Mous could ascertain, **Bob James** (120) took one set and **Jesse**

Tatro (63) another, with **Bob** (95) a close second.

CHRISTMAS PARTY – Wednesday, 6 December 2000. Details are being completed from this year's Christmas "Get Together," which is projected for the evening of **Wednesday, 6 December, at Randolph Air Force Base.** Pleaser visit the chapter's Web Page at **Please check page 2 where full details are posted and then pass the word – by phone and e-mail – to all our members.**

We want to wish a **Happy Thanksgiving, A VERY MERRY CHRISTMAS** and **A PROSPEROUS NEW YEAR** to all our Corporate sponsors, members, members families and friends of the Billy Mitchell Chapter, Association of Old Crows.

By *DAK Proctor*

Consulting Business

Once upon a time there was a shepherd tending his sheep at the edge of a country road. A brand new Jeep Grand Cherokee screeches to a halt next to him. The driver, a young man dressed in a Brioni suit, Cerrutti shoes, Ray-Ban glasses, Jovial Swiss wrist watch and a Bhs tie gets out and asks the shepherd: "If I guess how many sheep you have, will you give me one of them?"

The shepherd looks at the young man, then looks at the sprawling field of sheep and says: "Okay." The young man parks the SUV, connects his notebook and wireless modem, enters a NASA site, scans the ground using his GPS, opens a database and 60 Excel tables filled with algorithms, then prints a 150 page report on his high tech mini printer. He then turns to the shepherd and says: "You have exactly 1,586 sheep here."

The shepherd answers: "That's correct, you can have your sheep."

The young man takes one of the animals and puts it in the back of his vehicle.

The shepherd looks at him and asks: "Now, if I guess your profession, will you pay me back in kind?" The young man answers: "Sure."

The shepherd says: "You are a consultant."

"Exactly! How did you know?" asks the young man.

"Very simple," answers the shepherd, "First, you came here without being called.

"Second, you charged me a fee to tell me something I already knew.

"Third, you do not understand anything about my business and "I'd really like to have my dog back."



In Memory of the naval personnel who lost their lives in a terrorist attack on the USS Cole in October, 2000

**They gave up their lives so that we maintain freedom Lord,
Make me a channel of thy peace-**

**That where there is hatred, I may bring love;
That where there is wrong, I may bring the spirit of forgiveness;
That where there is discord, I may bring harmony;
That where there is error, I may bring truth;
That where there is doubt, I may bring faith;
That where there is despair, I may bring hope;
That where there are shadows, I may bring light;
That where there is sadness, I may bring joy.**

**Lord, grant that I may seek rather to comfort than to be comforted;
To understand, than be understood; To love, than be loved.
For it is by self-forgetting that one finds. It is by forgiving that one is forgiven.**

**It is by dying that one awakens to Eternal Life.
The Prayer of St. Francis God Rest the souls of:**

Information Systems Technician Tim Gauna
Rice, Texas

Signalman Seaman Recruit Cherone Louis Gunn
Rex, Georgia

Lakeina Monique Francis
Woodleaf, North Carolina
Ensign Andrew Triplett
Macon, Mississippi

Petty Officer 3rd Class Ronchester Santiago
Kingsville, Texas

Seaman Craig Wibberley
Williamsport, Maryland
Kevin Shawn Rux
Portland, North Dakota

Seaman Recruit Lakiba Nicole Palmer
San Diego, California

Hull Maintenance Technician 3rd Class Kenneth Eugene Clodfelter
Mechanicsville, Virginia

Engineman 2nd Class Marc Nieto
Fond du Lac, Wisconsin

Electronics Warfare Technician 3rd Class Ronald Scott Owens
Vero Beach, Florida

Electronics Technician 1st Class Richard Costelow
Morrisville, Pennsylvania

Fireman Apprentice Patrick Roy
Keedysville, Maryland

Engineman Fireman Joshua Parlett
Churchville, Maryland

Fireman Gary Graham Swenchonis
Rockport, Texas

Seaman James Rodrick McDaniels
Norfolk, Virginia

Operations Specialist 2nd Class Timothy Lamont Saunders
Ringgold, Virginia

...even when America is not at war, the men and women of our military risk their lives every day in places where comforts are few and dangers are many.

--President Clinton

please pass along the prayers

Fund Established to Benefit USS COLE Sailors and Families Candles of Peace
(some graphics and background from USS Cole website)



USS Cole (DDG 67)



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PERIODICAL

**We're on the web
[Http://www.bmcaoc.org](http://www.bmcaoc.org)**

USAF Battlelab Demonstration

(Continued from page 4) Upon entering the target area/circle, the vehicle pitched down and crashed. A GNC software problem exists which needs further investigation. A minor field modification was made for the remaining flights to reduce the vehicle turn rate. This flight demonstrated all system technical features except circling the target.

Flight Four (Wind Breaker) was a two-mile, 10,000 foot MSL BDA mission. Video was received throughout the flight. However, it degraded as the flight continued. We did receive telemetry information from the vehicle. The GNC problem was still evident, but the field fix appeared to reduce the problem. This flight demonstrated all system technical features except circling the target.

Flight Five (Old Crow) was a four-mile, 10,000 foot MSL BDA/waypoint mission. BDA imagery was received throughout the flight. This flight demonstrated all system technical features.

Flight Six (Remove before Flight) was a 3.6 mile, 10,000 foot MSL BDA/waypoint mission. The vehicle flew two waypoints on its way to the target. BDA imagery was received throughout the flight. This flight demonstrated all system technical features.

SilentEyes is a small glider, 21.5 inches in length and 2.75 inches in diameter, that is air-launched, unpowered, expendable, and inexpensive. SilentEyes has been built with commercial-off-the-shelf (COTS) components. It is capable of carrying various payloads that are suitable to perform a variety of military missions. SilentEyes offers a unique platform for "silent" loiter, BDA, attack, targeting, air defense, and surveillance missions. SilentEyes addresses a significant problem for the Warfighter— immediate BDA by providing real-time, all-aspect target assessment.

SilentEyes provides real-time imagery to observe and exploit the enemy 24 hours a day; immediate Battle Damage Assessment (BDA) video and Battle Damage Indication (BDI) for operations planning; pre-strike target verification; reduced exposure of manned aircraft by assessing target destruction; post-strike BDA effects on targets in hostile fire zones; capability to verify non-kills and allow planners to avoid or re-attack resilient targets with more effective munitions; and provide real-time, all-aspect target assessment. In the BDA mode, SilentEyes can transmit digital imagery up to 100 nautical miles line-of-sight.

The USAF IW Battlelab, here in San Antonio, selects bright new ideas from DoD and industry to perform operational demonstrations.

Send your innovative ideas to the Battlelab by mail or e-mail to: **AF Information Warfare Battlelab, 102 Hall Blvd, Ste 214, Kelly AFB, TX 78243-7020. www.iwinnovation@kelly.af.mil**