



# ***TAC MISSILEERS***

## **E-NEWSLETTER**

ISSUE III JANUARY 2006



“Serving the mace and matador missile crews and all support personnel who fought and won the cold war”

Visit our web site On Line At <http://tacmissileers.homestead.com/MISSILEER.html>

Over 81,000 visitors have stopped by the web site...Have You?

If you haven't lately click on the link above and be taken there immediately

***New Membership Category - Mini reunions – Old Stuff – New Stuff All in this issue***

## **A NEW MEMBERSHIP CATEGORY AND PAYMENT OPTION NOW AVAILABLE 3 Years For the Price Of 2**

Based on your many requests Our Board of Directors is offering a new Membership Category. A Three Year purchase option, the Three Year membership is \$30.00. The organization will retain the One Year \$15.00 Annual membership.

Since it is membership drive time please make your choice between the two options and send in your money to Membership Director / Treasurer Max Butler.

You can email Max at [m.butler11540@sbcglobal.net](mailto:m.butler11540@sbcglobal.net) with any questions regarding your membership status.

Send your membership dues to Max at:

**Max Butler  
3270 Bufkin Springfield Road  
Mt. Vernon, IN 47620**

**See the Active Membership list on the Last Pages of this  
Newsletter**

## Two Tac Missileer Mini-Reunions In The Offing

### Want To meet at Dayton, Ohio This July!

**Max Butler Asks Is Anyone interested in a tour of the National Museum Of The Air Force at Wright Patterson Air Force Base and watching one of the best air shows ever?**

I have had a couple of our Tac Missileer members express an interest of touring the museum and they asked that I inquire if there are others that would be interested in joining a group to go there this summer. I would like to make the tour the 28<sup>th</sup>, 29<sup>th</sup> & 30<sup>th</sup> of July, as this is the BIG Air Show week-end. I have talked to a few people about the air show and they say it is fantastic. If you type Vectren Dayton Air Show into your search line or better yet just click on the following link <http://www.usats.org/> all of the info about the great air show is at your disposal. I personally am going to go but it would be great to get a group of us old Missileers there. I may have to have info sent out via e-mail as everyone will have to make motel reservations for those dates ASAP if they are interested. Please contact me as soon as possible if you would like to attend or just want want information on the event

My email link is [m.butler11540@sbcglobal.net](mailto:m.butler11540@sbcglobal.net)

Thanks, **Max Butler**

While In Dayton in July you can visit the newly refurbished Mace B and Matador now in place in the National Museum of the Air Force Cold War Exhibit.



### How about *Apopka, Florida* in April

Ken Berry asks, "do you remember Kelly Park near Apopka". In the summer of 1963 while he underwent technical training in the Mace B program at Orlando AFB, this was a favorite weekend place to go for swimming, etc. For many others as well. Well the park is still there and waiting for your return. Ken is setting up a one day mini-reunion at Kelly Park in Apopka, Florida. All missileers are welcome and encouraged to attend. A good number of missileers are already planning on being there for the get together so add your name to that list.

The reunion will held be at Kelly Park (Pavilion 2), 400 East Kelly Park Road, Apopka, Florida on April 8, 2006 commencing at 10:00 a.m. Those who wish to attend should notify either:

Ken Berry [Okinawa] by Email at [orlandoreunion@yahoo.com](mailto:orlandoreunion@yahoo.com) / 423-282-2018

or

Max Saylor [Okinawa and Germany] at [orlandoreunion@yahoo.com](mailto:orlandoreunion@yahoo.com) / 805-343-2460.

Ever on the prowl for the Mace or Matador in the “news”, your editor came across the following older article, below, that might interest those who trained in Denver. Many a Tac Missileer spent time on the tarmac shown in the picture accompanying the article. And this article is a good follow-up the the Lowry piece in the last edition.

## LOWRY AIR FORCE BASE FACT SHEET September 2002 PAST PERCHLORATE USE ON LOWRY AIR FORCE BASE

**Background** This fact sheet provides environmental regulators, Lowry residents, and other interested community members with information on the past use of perchlorate on Lowry Air Force base. This information comes from the Lowry Operational History and from subsequent Air Force research. The information is provided so that all concerned can make informed decisions as to the potential for the presence of perchlorate in groundwater under the former base. Perchlorate, which has yet to become nationally regulated, is a substance used as solid rocket fuel, but also is used in airbags, fireworks, electroplating and leather tanning. Studies indicate



*This 1960's era overhead photo of Lowry Air Force Base is similar to the one reviewed by the Army Corps of Engineers during research for the Operational History. Note the discoloration behind the aircraft which was caused by the missile's jet engine.*

that perchlorate could affect thyroid function if taken internally, for example, by drinking. Nobody in the Lowry area drinks the groundwater, which is between 5 and 65 feet below the surface. Water is provided from surface sources by Denver Water. For detailed information on perchlorate, Colorado Department of Public Health and Environment (CDPHE) fact sheet “Possible Perchlorate at Lowry – August 2002.” Purpose Lowry Air Force Base Operational History. The Air Force commissioned the Army Corps of Engineers to develop a report detailing operations of the entire history of Lowry Air Force Base that might have had an impact on the environment. The purpose of this report, or Operational History, was to identify a worst case scenario for potential environmental problems on the base. The Air Force and regulators from the CDPHE and the Environmental Protection Agency (EPA), will then compare the history against the extensive investigations and cleanup efforts completed at Lowry so far, to determine if other investigations may be needed. The Operational History augments the Air

Force's \$53 million cleanup effort and is an added level of health and environmental protection, ensuring no stone has been left unturned at the former base.

**Past use of perchlorate** The Operational History reports that Jet Assisted Take Off (JATO) units were stored on base for transient aircraft, like the B-47. These JATO units were, in effect, rockets attached to an aircraft giving it added boost to take off at high altitudes or from short runways. The solid rocket propellant, which is a source of perchlorate, was stored within the canisters attached to the planes. When solid rocket propellant is ignited, it oxidizes completely and becomes water, carbon dioxide and hydrochloric acid, which disperses rapidly in the air. In short, rocket exhaust would not be a source of perchlorate. The Operational History also reports that these canisters were treated as explosives and stored nozzle up. This reduces the likelihood that perchlorate would “spill” prior to ignition. JATO canisters containing solid propellant were stored on Lowry in Building 1021. This building was located on what is now the southeast portion of the Mira Vista golf course. The Operational History, in pursuing its goal of presenting a worst case scenario, also cites the potential static firings of missiles on base as a potential source of perchlorate. The Operational History reports that “static firings” of solid fuel missiles was indicated by discolored pavement behind missiles seen in an overhead photo of the base taken in the 1960's. The missile type seen by the Corps of Engineers was the TM76A/MACE. The MACE was a long-range

surface-to-surface missile, which was launched by a solid fuel rocket pack that would drop off after launch. The missile's jet engine would then take over propulsion. The Air Force interviewed a former instructor on the base, subsequent to research and interviews conducted by the Corps of Engineers. The instructor confirmed that any MACE rocket boosters used in training at the base were inert or inactive. Occasionally, the jet engines of the MACE would be turned on, explaining the discoloration of pavement behind the missiles.

**Conclusion** The Operational History combined with subsequent Air Force research shows that perchlorate, in the form of solid rocket fuel, was stored on base in JATO canisters but not in rocket packs for the MACE. The limited use of solid rocket fuel on base makes it unlikely that perchlorate exists in the groundwater under Lowry. The CDPHE will determine whether and where testing for perchlorate is needed. The testing will be conducted under Lowry's privatized cleanup contract. If perchlorate is found, the Air Force will be ultimately responsible for the cost of cleanup.

## Answers To The Hahn Mace A Site Question

Missileers Ray Pillitteri and Ken Knapp both sent in identifying information on the Hahn missile site that I (Ollie) put in the last issues of the Quarterly hard copy Newsletter and the E-Newsletter.

First, Ray sent an email with the following:

Bob, just got my Winter 2005 edition of the TAC Missileers. The article on page 2 caught my attention right away. I was stationed at Hahn AB in the mid sixties and was involved with the deactivation of the MACE A. In fact, my tour in Europe was cut short (1966) and I was shipped back to Malstrom AFB in Great Falls, MT and cross trained on the Minuteman I. Hahn AB had 3 Mace A sites, 4, 5 and 6. **Site 4 had 12 birds** and 5 and 6 had 8 each. I believe 4 had the call sign **Veronica**, 5 (my old site) was Pot fuse but I can't remember the call sign for 6. I don't recall us having maintenance follow on shelters on 5 and I only pulled a couple of shifts at 4 and remember very little of that site.

Thanks, Ray Pillitteri

Jacksonville, FL

Then Ken Knapp sent this to me a few days later:

Bob, In case no one identified your aerial photo, **it is Site 4**..... Only one site at Hahn that had 12 birds..... Site 5&6 only had 8. Site 4 originally only had 8 birds, but 4 were added later. If no one told you about the **problems** this caused when we did site pack up in 1966, let me know. I was a site 5 mechanic, but a friend was a site 4  
Ken Knapp

Ken later sent this interesting tidbit when I ask him about the **problems** in taking down site 4

Probably a site 4 person would know it better, but here goes with a 42 years old memory..... Site 4 had 8 birds originally. 4 more were added at a later date. All 12 were there when I arrived at Hahn in 65. When we disassembled the sites in late summer of 66, each site's crews did their own. All power was removed from the site complexes or so we thought..... We used MM-1s to pull the cables out of the troughs. This was accomplished by wrapping a big logging chain around a group of cables and literally ripping them out of the troughs. Didn't matter if they broke apart, they were being sold as scrap. WELL, when the site 4 boys got to the 3rd complex, they did the same as the other complexes. Except when they pulled the cables, there was a huge flash and loud noises as the logging chain was welded into one solid piece of metal. It seemed the Germans had bypassed the main power distribution when the 3rd complex was installed. There were no injuries, thank goodness, just a bunch of guys cleaning out their pants..... ;- ) About a 5 mile radius around the site lost power..... The chain was on display at site 4 for a while.....Maybe someone knows more..... That's all I remember.

Thanks to both Ray and Ken for taking the time to helps us remember the history of the Mace a sites at Hahn.

## Our History

Writing the word "history" on the preceding page caused me to think about our history. The history of the Matador and Mace is not well known outside our circle of missileers. Even the so called experts at the many aviation museums don't have the correct information about the two systems. We are still the real and only authorities on the subject. An example, even The Glen L. Martin Maryland Aviation museum's web site at: [http://www.marylandaviationmuseum.org/history/martin aircraft/26 missiles.html](http://www.marylandaviationmuseum.org/history/martin_aircraft/26_missiles.html)

does not have the correct information on their own page about the Mace. In their text the Mace is referred to as TM-71. I may be wrong on this following point but a picture they post supposedly depicts a Mace TM-76A being launched from one of the hard shelters at the Cape looks to me be a Mace B bird. No radome is evident, looks like a B bird's aluminum nose. The National Museum Of The Air Force in refurbishing their Mace B gave it a painted black nose cap/cone. Was this ever the way that they were painted during operational use?

Gentlemen there is a wealth of information in our collective heads and we should record it before we start leaving this earth. We ought to get things written down, have it collected, categorized, correlated and protected. As each of our lights goes out in the future that special bit of history will be lost if you haven't taken the little bit of time necessary to record just a few of those remembrances about the little or big part you played with the missiles and their use.

If you recall any interesting things like the Hahn site 4 problem sent in by Ken Knapp; or just the unvarnished day-to-day operational facts as simple as launch crew or maintenance scheduling, maintenance crew member assignments, communications checks; or any of the hundreds of everyday things that were done to maintain the operation of the missiles in Asia and Europe. Make note of these things.

Please remember that the information you carry in your head, you may think, is common knowledge known by many others. But I have found through communications with many of you that we were in many ways very compartmentalized in our jobs. Possibly caused by the restrictions placed on us at that time by the security system "THE NEED TO KNOW" and just by being focused on "our" job. Not many of us really knew what others in the other squadrons, groups or wings were doing in the AFSCs that were different from our own.

So why not take a couple of hours over a period of time and write these thoughts out and send them in to either the Tac Missileers Newsletter editor at [rbolton@charter.net](mailto:rbolton@charter.net) or to our Tac Missileer Historian Art Gust at [abgjr37@yahoo.com](mailto:abgjr37@yahoo.com). We'll make sure that that anything you submit is credited to you, preserved and properly handled.

## Tac Missileers Active Membership Roster

The following is a roster of those members that are on the **active** list. This isn't the BIG list. Members are maintained on this list by paying their annual dues. Remember that if you forget or have forgotten to pay your dues then you'll eventually get dropped from the mailing list. Max posted this list to jog memories about paying, so if you may have forgotten, make Max happy by sending in your dues to him. If a name does not have 06 or later beside it then that member has forgotten to pay for 2006. Max mentioned that he also wanted to let everyone see who is still active in the organization.

If you have paid up for 2006 and you don't see it indicated on the list, it is probably because the list was sent to the newsletter editor before Max received the money. If you have any question at all about your membership status please contact Max Butler.

Dues Paid	Last Name	First Name	Dues Paid	Last Name	First Name
X05-06	Akre	Terry R,		Chatfield	David L.
	Allen	Edward E.	X06	Clark	Don
X06	Altenhofen	ClairPaul			
	Alvers	Carl	X	Collingwood	Kenneth O.
X	Alward	Kenneth L.	X05-09	Cook	Lowell
X	Andrew	Joseph D. Jr.	X	Corbin	Carl
X	Armbruster	Robert A.	X05-06	Corcoran	Arthur L. Jr.

Dues Paid	Last Name	First Name	Dues Paid	Last Name	First Name
X	Armstrong	Bruce A.	X05-06	Cross	Marvin F.
	Ashberry	Edgar A.	X06	Crytzer	William
	Asik	Raymond		Cupp	Leo D.
X06	Baertsch	Ronald W.	X	Dana	George
X06	Bailey	Robert A.	X06	Daniel	Carrol M.
X06	Bailey	Robert M.	X06	Daniels	Ronald R.
X	Baird	Ronald R.		Davenport	Clarence R.
	Baker	Charles A.	X06	Davey	Harold E.
X	Baker	Thomas E.	X06	Davis	Paul E.
X	Baldner	Roger E.	X06	Debacker	T. Albert
X	Ball	Lucian E.		Delgado	Angel
	Barber	Lewis Jr.	X	Denman	James E.
X06	Barlow	N. Henry	X06	DeRain	David R.
X	Batten	Joseph K.	X	Devoy	Charles F.
X	Becker	Eugene C.	X06	Doi	Randolph M.
X06	Beeding	Noah	X06	Douthit	Samuel R.
X	Bell	Leslie A.	X06	Downs	John O.
X	Bennett	George R.	X	Doyle	Richard
X06	Bennett	Ewing, A.	X	Drews	Douglas G.
	Benson	Raymond D.	X	Dulaney	John H.
X06	Berdin	Richard A.		Edson	Michael M.
	Berry	Ken H.	X	Edwards	Garld
X	Bertapella	Antonio E.	X	Ehrmann	Edward R.
	Biggar	Kay H.		Elder	Carnell L.L.
	Biondo	Michael	X06	Elliot	Harold D.
	Bircher	Lowell E.	X	Emerson	Larry
X	Black	Charles L.		Englehart	James C.
X06	Blair	Charles S.	X06	Esposito	Julian P.
X	Blann	Robert	X	Fanelli	Joel G.
X05,06	Bledsoe	Russell E.	X	Fankhauser	Wayne A.
X06	Bolton	Robert L.	X06	Farrell	Calvin R.
X06	Boverie	Richard T.	X	Fellers	Julian C.
X	Bowers	Thomas O. Jr.	X	Folk	Donald
	Braguglia	Raymond J.	X	Fowler	Leonard H.
X06	Brashear	Michael P.		France	Garland F.
X06	Brewster	Robert L.	X	Freeman	Ralph A.
X	Brown	James J.	X06	Freshour	Charles D.
X	Brown	Wade K.	X06	Fuelling	Robert H.
	Bryan	James H.	X06	Gardner	Harry
X06	Butler	Max R.		Gates	Gorden W.
	Callahan	Bryan J.	X06	Gent	Dennis R.

Dues Paid	Last Name	First Name	Dues Paid	Last Name	First Name
	Camacho	Abel	X06	Glaush	George W.
X05-06	Cambell	Thomas	X06	Godwin	Frank D.
	Cannon	James F.	X	Goedeau	Jimmie
X06	Carpenter	Bill R.	X	Goggans	Roy
	Cerbes	John F.		Golden	Ronnie L.
X	Champy	Harry D.	X	Goodson	John
X	Chandler	Scott T.		Goshay	Paul M.
	Chase	Richard		Goshorn	William A.
X	Gray	Harold R.		Lake	Dale F.
X	Groft	Al	X06	Lalumondier	Roland
X	Gust	Arthur B.Jr.	X06	Lance	Lyman F.
X	Guy	Wendel		Langner	Richard
X	Guzzetta	George J.	X	Lannon	Robert W.
	Haas	Victor J.	X	Lawler	John N.
X	Hagan	Marc R.	X06	Lembke	Howard
	Haines	Stephen A.		Lepper	Roger J.
X06	Hall	William A.		Lewinski	Timothy J.
X06	Hansen	Arnold D.		Lidderdale	Kenneth L.
X06	Harrison	James F.	X06	Lindberg	Ronald A.
X06	Hastert	Emile P.	X06	Lindblom	AllanL.
X06	Hauswald	Arnold C.	X06/07	Lishka	Raymond J.
X06	Havemann	Larry J.	X 05/06	Loe	Harold
X	Hedberg	Earnest E.	Lomax	Gilbert E.	
X06	Henderson	Gene R.	X	Lombard	Jack
X	Hernandez	Andrew A.	X	Lucas	John J. Jr.
	Hess	Donald R.	X06	Lyscik	Ronald S.
X	Hinek	Roderick	X	Maher	Francis
X05,06	Hogan	Eugene J.	X06	Malone	Richard L.
X06	Holliday	Bill		Mandert	Tracy J.
X	Hollins	Ted E.	X	Marcus	William
	Hopping	William	X06	Margeson	Hector Jr.
X06	Horky	Frederick P.		Marney	John C.
X06	Hornberger	Dennis A.	X06	Martinez	Adolf L.
X06	Hosiner	Robert L.		Mathews	Richard E.
X06	Hover	Ronald	X06	Mauger	Robert E.
	Hynds	Bruce		Maxwell	Norris J.
	Idleman	Larry L.	X	McBride	James
X	Innis	Edward L	X	McBride	William G.
X06	Isaacs	Ray	X	McIntyre	Donald C.
X	Jamiolkowski	Joseph B.	X06	McKee	Curtis B.
X06-07	Jessup	David W. Sr.	X	Meade	Charles H.

Dues Paid	Last Name	First Name	Dues Paid	Last Name	First Name
X	Johnson	Bruce	X06	Medley	Billy J.
X06	Johnson	Gerald P.		Meek	Donald A.
	Johnson	Robert A.	X06	Merriman	Gilbert
X06	Johnson	Richard T.	X	Metzker	Darrel L.
X	Johnston	Gerald D.	X	Miller	Harry C. Jr.
X	Jones	Douglas	X06	Miller	Herbert J.
	Jones	Harry L.	X	Mitchell	John F.
X	Jones	James W.	X	Moffet	Richard H.
X	Kammerman	Dennis D.	X06,07,08	Molinaro	Joseph P.
	Keller	Andrew	X	Moore	Steven A.
X	Kelly	Michael J.	X	Moore	Maxine L.
X	Kennedy	George B.	X05,06	Moorehouse	David E.
X	Kizer	Donald L.		Morgan	John A.
X	Knapp	Kenneth A.	X06	Morley	Allen E.
X06	Koenig	Norbert	X	Moss	Trevis
X	Kovach	George	X	Mozham	Ahmed
X	Krebs	William T.		Mueller	Lloyd L.
	Kusel	Newton S.	X	Neeley	Gerald F.
X06	Kutulis	Robert W.	X06	Neuman	Glen E.
X	Kyser	Lee		Newkirk	Vernon
	La Rue	Gerald	X	Nicholson	Alvin "Nick"
X	Lacey	John H.	X	Nuckles	James F.
	LaFavor	Paul G.	X	Oden	Lucian B.
X	Ogletree	Gregory W.	X06	Schuller	William A.
X	Oltman	Wayne R.	X06	Schwartz	Ron
X	Orpurt	Carl	X	Scott	Robert L.
	Owens	Richard E.		Segler	Sid
X	Padgett	Richard	X	Sherman	George
X	Page	Frank B.		Shoepe	Victor G.
X	Paine	Frederick W.	X	Short	Roosevelt
X	Patrick	Laurence M.	X06	Shuping	Robert F.
X	Paul	Eugene P.		Siders	Jerry R.
X	Pederson	John C.	X	Singleton	Ben
X06	Perdue	Walter L.	X	Skrobacs	Ralph B.
X06	Perkins	Joe C.	X	Slusher	Leon
X	Pierce	Charles R.	X050607	Smith	Earl F.
X06	Pillitteri	Raymond J.	X	Smith	Larry N.
X	Pinkerton	Floyd E.	X	Smith	Marcus C.
X	Pisle	Standford C.	X	Snell	Waymon W.
	Poche	Stephen S.	X06-07	Snyder	G. Joseph
	Poulos	John	X	Soboleski	Alfred (AL)
X06	Powell	James O.	X	St. Germain	Roger E.



Dues Paid	Last Name	First Name	Dues Paid	Last Name	First Name
	Pressburg	Raymond A.	X06	Stanke	William R.
X06	Provost	Thomas		Steadman	James
X	Putnam	Frederic A.	X06	Stenerson	Edgar J.
	Pyburn	Claude E.	X	Stewart	John M.
X	Quatrochi	Carmen	X	Stillens	Robert
	Quigley	Waylon R.		Stone	Charles
X	Raff	Jennings O.		Story	Charley C.
	Reimer	Paul E.	X05/06	Strong	Jerry R.
X	Reinhard	Edward O.	X	Sullins	Lynn D.
X	Renninger	Harold J.	X05,06	Summarell	David K.
X06	Reynolds	Charles	X06	Swartzmeyer	Elmer G.
	Reynolds	George	X	Sweeney	Michael J.
X	Richards	Gilbert W.	X06	Tallent	James A.
X	Rinker	William F.	X	Tracy	Henry J.
X	Ristine	Beryl C.	X06	Trimble	Eric G. Jr.
X	Roales	Frank	X	Trodus	Alan R.
X	Roberts	Kenneth		Tucker	Larry E.
X	Robertson	James TTEE		Tudor	Robert G.
	Robertson	Robert L.	X	Tudor	Robert G.
X	Robinson	Hunter R.		Uhland	Charles B. 111
X	Romanczuk	Leonard	X	Valenti	Robert
X	Ross	Kenneth B.	X	Valovich	Tony
X05-09	Rowe	William F. Jr.	X	Vanderman	Guy R.
X	Rowland	Donald L.	X06	Veverka	Philip J.
X	Russell	William	X	Waggle	William
X4/5/06	Ruth	James M.	X06	Walker	Elby B.
X06	Ruvolo	Sam J.	X-06	Walworth	Robert
X06	Sand	Gary H.	X06	Weber	Leroy
	Sandor	Paul J.	X05,06	Weyn	Edmund C.
X	Schackelford	William A.	X	Wheatcraft	Lynn D.
X06	Schaefer	Warren F.	X	White	Richard A.
X06	Schiff	Jeffrey M.	X06-07	Wiatrowski	Ronald
X	Schimke	Wilmer W.	X06	Wiese	Duane W.
X	Schmidt	Leslie C.		Wilder	Daniel L.
X	Schraedley	John	X06	Wildrick	Robert O.
X06	Schroeder	Marvin B.	X06	Williams	Samuel D.
X	Williams	Philip E.	X05-06	Williams	Richard D.
	Wingate	Clark L.	X06	Wylezik	Felix F.
X06	Wylie	James K.		Yoder	Jerry M.
X06	Yugas	John J.	X06	Zumbrunnen	James