

Of Wings and Things



Guest Lecture Video Loan Program

Welcome to the National Museum of the United States Air Force's Guest Lecture Series video loan program. The program features video recordings of our Guest Lecture Series and includes presentations given by a variety of distinguished speakers ranging from Colonel Bernard Fisher to Brigadier General Paul W. Tibbets. These videos provide a variety of perspectives on various aviation related topics, and they span from World War II to the present.

A selection from the program may be borrowed free of charge for private home viewing or for use by an educational, civic, or professional organization, or by an organized youth group. However, please keep the following policies in mind:

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The videotapes in this program feature guest lecturers who appeared as a part of the National Museum of the United States Air Force's Guest Lecture Series. The formats of the lectures vary. Some include film clips and slides, while others are straight lecture presentations. The purpose of the videotape is to document the lecture. It is **not** intended to be a complete presentation on a given topic. The videotapes are approximately two hours long.

Please note:

The lectures are directed to an adult audience and may contain visual material or language which may be considered inappropriate for young viewers. The Museum strongly suggests that the videotapes be previewed prior to student viewing in the classroom. Additionally, the expressed comments and opinions presented by guest speakers in the Museum's Wings and Things Lecture Series are solely those of the speaker and do not necessarily reflect the views of the National Museum of the U. S. Air Force or the U. S. Air Force.

Please call the Museum's Education Division at
(937) 255-4666 for more information.

World War II

V883 *The Original Flying Tigers*
Brigadier General "Tex" Hill, USAF (Ret)

The Flying Tigers made aviation history in 1941 and 1942 when, under the leadership of Claire Chennault, the men of the American Volunteer Group (AVG), fought in the skies over Burma and China and became the scourge of the proud Japanese Air Force. General Hill discusses the history of the Flying Tigers and air combat during the beginning of World War II.

V884 *Night Strategic Bombing*

Air Vice-Marshal Ronald Dick, RAF

The devastation of European cities during World War II by night bombing may have started by accident. Bombing of military targets had become a common practice by both the Allies and the Axis. During the night of August 24, 1940, a German bomber reportedly lost in bad weather, hit the center of London. The war escalated as British planes bombed Berlin the next night. Air Vice-Marshal Dick examines strategic night bombing during World Wars I and II and reviews its successes and failures.

V901 *Why Me? From Fighter Ace to POW*

Colonel Walker M. "Bud" Mahurin, USAF (Ret)

Colonel Mahurin was a combat fighter pilot serving in World War II and the Korean War. He ran up a record of 21 victories while flying with the legendary "Zemke's Wolfpack." During the Korean War, he was shot down and spent 16 months as a prisoner of war where he was subjected to the then-unfamiliar technique known as "brain washing."

V911 *The Escape Factory: The Story of MIS-X*

Mr. Lloyd R. Shoemaker

Mr. Shoemaker tells a story of unparalleled ingenuity and POW courage, suppressed for security reasons for almost fifty years. In its short and secretive existence from October 1942 until August 1945, the U. S. agency known only as MIS-X successfully smuggled coded messages, radios, maps, guns, and other escape devices under the noses of German censors and into the prisoner of war stalags, making some of the boldest escapes of World War II possible.

V912 *Air Power in World War II*

Brigadier General Paul W. Tibbets, Jr., USAF (Ret)

General Tibbets discusses the role of air power during World War II, beginning with the first B-17 operations in Europe and North Africa and continuing with the early stages of the B-29. Tibbets also touches briefly on the Manhattan Project and the SILVERPLATE operation.

V913 *The Battle of Britain*

Air Vice-Marshal Ronald Dick, RAF (Ret)

The Battle of Britain, one of the major strategic events of World War II, took place from August to October 1940, following German triumphs in Holland, Belgium, and France. The RAF fighters were stretched to their limits fending off continuous and resolute attacks aimed at fighter airfields and radar stations. The British fought back valiantly, and by the third week of September, the German plan to invade had been cancelled.

V916 *The Battle of Midway*

Mr. George H. Gay

Mr. Gay discusses the Battle of Midway from his unique perspective as the sole survivor of Torpedo Squadron Eight. He entered the U.S. Navy and after receiving his wings, was assigned to VT-8 (Torpedo Squadron Eight). The battle began on June 4, 1942, when aircraft from the 100-ship Japanese fleet began blasting Midway. At the end of the two day battle, Japan lost four carriers and a major part of their air arm. Enemy submarines sank the battleship Yorktown. Gay says he is not a hero, but he has become well known because of his association with 29 heroes who died fighting for their country.

**V921 *The Role of American Strategic
Fighters in the E.T.O. during World War II***

Colonel Hubert Zemke, USAF (Ret)

Colonel Zemke provides an in-depth discussion of the mission of the U.S. Army Air Force fighters as they were introduced into the European Theater after Pearl Harbor. The first 8th Air Force fighter groups fell under the operational jurisdiction of the Royal Air Force, and their tactics were designed for defense. The Americans, however, now found it necessary to develop offensive operations. Zemke concludes with a meaningful analysis of the changes in both bomber and fighter formations.

V943 *Flying the Luftwaffe's Fighters*

Mr. Walter Boerner

An interesting look at World War II from the perspective of a German fighter pilot.

V945 *You Should Have Been There When It Was Rough*

Mr. Edwards Park

Mr. Park talks about flying in New Guinea in World War II, at a time when the Southwest Pacific area was low on the Allies' priority list, and the jungle squadrons serving there were undersupplied with aircraft and food supplies.

V946 *The Air War in China*

Mr. Donald Lopez

Mr. Lopez served in China during World War II, flew P-40s under General Claire Chennault, and became an ace. He also spent five years as a fighter test pilot and flew F-86s in Korea. He worked on the Apollo-Saturn Launch Vehicle and the Skylab Orbital Workshop before joining the staff of the National Air and Space Museum in Washington, D.C.

V951 *A Fighter Pilot's Life*

Colonel Francis S. "Gabby" Gabreski, USAF (Ret)

Colonel Gabreski was the highest scoring ace in the European Theater of Operations during World War II with 28 confirmed aerial victories. He went on to earn ace status during the Korean War with 6.5 MiGs destroyed in aerial combat. Gabreski relates that he "almost washed out of flight training," but with determination and prayer, he completed the rigorous preparation and went on to become one of the Air Force's finest pilots.

V953 *A Fighter Pilot Remembers World War II*

Colonel Herschel H. Green, USAF (Ret)

Colonel Green is one of a handful of American pilots who rank as an ace in two aircraft. While flying P-47s in Italy with the 325th Fighter Group, he scored ten aerial victories. He then went on to achieve five victories in the P-51 Mustang. When ordered to stand down from combat in August 1944, Green had 18 confirmed victories to his credit and his decorations included two Distinguished Flying Crosses, 25 Air Medals, and a Purple Heart.

V954 *The Joy and Horror of Flight*

Mr. Oscar Boesch

A German triple ace from World War II, Mr. Boesch's log at the end of the war showed two collisions, four bailouts, and 18 victories with eight bombers and ten fighters. He relates his early fascination with flight, his induction into the Luftwaffe, and his decision to join the Ram fighter squadron, whose motto required them not to return from a fight without a victory. Since World War II, Boesch has continued to fly in air shows all over the world and for the IMAX film, *Silent Night*.

V955 *Strategic Bombing during World War II*

Major General Ramsay Potts, USAF (Ret)

In a thorough examination of World War II strategic bombing, General Potts takes a chronological approach to the topic. He begins by discussing the buildup of bomber and fighter forces in Europe in 1942-1943, as well as the highly effective bombing campaign against transportation targets in Germany that ultimately led to its economic destruction. Often provocative, Potts concludes with an analysis of the United States' decision to drop the atomic bomb on Japan.

V956 *The Doolittle Tokyo Raid*

V151 Mr. Thomas Griffin

Colonel Travis Hoover, USAF (Ret)

One of the most famous and daring moments in American Air Force history, the Doolittle Tokyo Raid of 1942, is dramatically brought to life by Mr. Griffin, navigator on plane #9, and Colonel Hoover, pilot of plane #2. In their own words, these two heroes relate their experiences about planning, training for the raid, the raid itself, and their escape and survival after the mission. (New version is V151 "The Doolittle Tokyo Raid").

V961 *World War II Combat Action*

Mr. Masajiro Kawato

In October 1943, 18 year old Japanese pilot Masajiro "Mike" Kawato arrived in the South Pacific for duty. In less than two years, he had 19 confirmed victories over Allied planes including shooting down Major Gregory "Pappy" Boyington, leader of the famed "Black Sheep" Squadron of the U.S. Marine Corps. Kawato was shot down five times, wounded several times, and eventually ended up a POW in Australia. Using his own career as a military pilot as his back drop, Kawato examines the Pacific air war from a Japanese perspective.

V962 *8th Air Force History: Writing It and Living It*

Mr. Brian O'Neill

Mr. Merlin Miller

Mr. O'Neill is the author of *Half a Wing, Three Engines, And A Prayer: B-17s Over Germany*, a best-selling account of a B-17 crew's 25 mission tour in the 8th Air Force during the daylight bombing campaign from 1943 to 1944. Mr. Merlin was a B-17 tail gunner and one of the principal contributors to the book. After O'Neill discovered the diary of an 8th Air Force navigator, he sought out other members of the crew to add their voices to the mission account and to ultimately answer the question, "What was it like to fly a B-17 during the worst of the bombing campaigns against Germany?"

V892 *The B-17: A Legend in Its Time*

V982 Mr. Donald G. Sachs (two lectures)

In both his 1989 and 1998 appearances with our Guest Lecture Series, Mr. Sachs, Aviation Heritage Consultant, makes the development of the B-17 Flying Fortress, from concept to modern times, the focus of his lecture. Sachs also highlights his presentation with his own experiences as a B-17 co-pilot with the 8th Air Force during World War II. On his 20th mission, his plane was shot down and he finished the war as a prisoner-of-war in Germany. Sachs' wartime experiences led to a lifelong interest in, and dedication to, preserving the historical significance of the B-17.

V991 *Take Off at Pearl Harbor*

Colonel Philip M. Rasmussen, USAF (Ret)

When the Japanese attacked Pearl Harbor on December 7, 1941, the large scale destruction of aircraft and airfields made launching any major counter-attack impossible. Only a few pilots were able to take off amidst this carnage. Colonel Rasmussen was one of those pilots. He discusses his own memories and experiences of Pearl Harbor in his lecture, as well as over 250 missions he flew in and around New Guinea from May 1942 to the fall of 1944.

V011 *Allied Airmen of Buchenwald*

Lieutenant Colonel Jim Hastin, USAF (Ret)

Mr. Joe F. Moser

Lieutenant Colonel Hastin and Mr. Moser share the little known story of Allied airmen imprisoned in concentration camps during World War II. While on separate search and destroy missions, both were shot down over France and both were eventually transported to Buchenwald via boxcar.

V016 *All This Hell: U.S. Nurses Imprisoned by the Japanese*

Ms. Evelyn M. Monahan, PhD.

Ms. Rosemary Neidel-Greenlee

U.S. Army and Navy nurses who became the first American military women to be taken prisoner during World War II provide the focus for Ms. Monahan's and Ms. Neidel-Greenlee's fascinating presentation. In this lecture, they share this emotional story as well as their own strategy for researching, interviewing, and writing about these nurses' experiences.

V039 *MacArthur's Pearl Harbor: The Destruction of American Air Power in the Philippines, December 8, 1941*

Mr. William H. Bartsch

During July 1941, the U.S. War Department reversed its policy on the defense of the Philippines. Build-up of its aerial defenses and, more significantly, the Islands' offensive capabilities due mainly to the new B-17 "Flying Fortress," was seen as the key to deterring further Japanese moves southward. This strategy dissolved on December 8, 1941.

V047 *Tiger Tails by a Real Flying Tiger*

Mr. Peter Wright

Mr. Wright discusses the formation and purpose of the American Volunteer Group of the Chinese Air Force (AVG), which is commonly known as the Flying Tigers. Wright was one of the first volunteers to sail to the Far East in the summer of 1941 and one of the last to leave China when the group was disbanded in 1942.

V162 *Early Women Pilots in World War II in the Ferrying Division*

Mrs. Florene Miller Watson

One of only 25 women who qualified as pilots for the original Women's Auxiliary Ferrying Squadron, Mrs. Watson discusses her experiences before, during and after World War II. She served as a flight instructor and taught men to fly in the War Training Program in Texas, and was later made the commanding officer over the WAFS-WASPs stationed at Love Field, Texas. When World War II was finally over, Mrs. Watson had flown every fighter, cargo plane, bomber and training aircraft in the Air Corps inventory.

V164 *Bataan, the Death March and Captivity*

Dr. Eugene Bleil

Dr. Bleil, a World War II veteran who served with the U. S. Army Air Corps' 17th Pursuit Squadron, reflects on his experiences during the infamous Bataan Death March, his captivity, starvation and slave labor, and subsequently, his liberation. After Japanese attacks against the Philippines destroyed most of his squadron's aircraft, Bleil fought valiantly as an infantryman in the desperate ground defense of the Bataan Peninsula. After U. S. forces were ordered to surrender, he went on the Bataan Death March to Camp O'Donnell, and also endured inhumane conditions at the prison camp at Cabanatuan. Later, he was transported to Japan to work at the Hirohata steel mills until the end of the war in 1945.

V166 *Integration of the Air Force: The Early Years*

Lieutenant Colonel James Harvey III, USAF (Ret)

Lieutenant Colonel Harry Steward, USAF (Ret)

In July of 1941, the Army Air Force began to train black Americans as military pilots at the Tuskegee Institute in Alabama. Two fighter pilots who trained there and who served with the famed Tuskegee Airmen discuss the military from 1941 to 1949. Lieutenant Colonel James Harvey III was the first black jet fighter pilot to fly in the Korean War, where he flew 126 combat missions in support of U. S. ground troops. Lieutenant Colonel Harry Stewart was assigned to the 332nd Fighter Group in Italy as a P-51 "Mustang" pilot, and after returning to the United States, he resumed his fighter pilot duties in P-47N series aircraft. Both gentlemen received numerous decorations for their exemplary service.

V182 *The Flying Greek*
Colonel Steve Pisanos, USAF (Ret)

Colonel Pisanos discusses his 30-year career in the Air Force, including his astonishing six-month evasion of the Germans after his P-51B crash-landed during a 1944 mission in France. He served with an Eagle squadron in the Royal Air Force, until the American members were absorbed by U. S. Army Air Forces in 1942. In May 1943, in London, England, he became the first individual in American history to be naturalized outside the Continental United States.

V191 *Masters of the Air: America's Bomber Boys Who Fought the Air War Against Nazi Germany*
Dr. Donald L. Miller

Dr. Miller, best-selling author with nine books to his credit, discusses his award-winning book (same as video title). He focuses on two sets of victims during the air war over Germany, namely, the German people who were bombed and the American aircraft crews who did the bombing. In addition, he explains the mortality and the military impact of strategic bombing, as well as the incredible mental strain endured by the crews of bomber aircraft.

V194 *Every Day a Nightmare: American Pursuit Pilots in the Defense of Java, 1941-42*
Mr. William H. Bartsch

Mr. Bartsch, an accomplished, award-winning author, discusses his latest book (title notated above). He is a former development economist of the International Labour Office (a specialized agency of the United Nations) and has written numerous articles and books related to military history.

V201 *Hell Hawks! : The War No One Told You About and the Heroes Who Helped America Win It*
Dr. Thomas D. Jones

Dr. Jones' presentation is based on the book *Hell Hawks!*, which he co-authored with Robert F. Dorr. He discusses the true story of an aerial "band of brothers" who flew P-47 Thunderbolts, and who fought a gritty, messy war in support of American GIs in the European theater during World War II. Dr. Jones is a distinguished graduate of the Air Force Academy, as well as a veteran NASA astronaut, scientist and consultant.

V224 *The Jet Race and the Second World War*

Dr. S. Mike Pavelec

Dr. Pavelec discusses three competing programs which were attempting to develop jet aircraft technology during World War II. The Germans, the British and the Americans all put a great deal of effort into the high-tech weapons systems, and Germany became the most successful of the three by mid-war. However, these early jet aircraft were not the panacea that the Germans were hoping for, and the war ended before they were decisive. Pavelec is currently an associate professor at the School of Advanced Air and Space Studies at Maxwell AFB, Alabama, and has just finished his third book on air power and military technology.

V227 *The Battle of Britain: Three Perspectives*

Mr. Paul Jacobs

Mr. Jacobs' presentation on the Battle of Britain is based upon research he conducted for background information before writing and publishing his book on this significant WWII battle. He is a West Point graduate, and during the Air Force portion of his military career, he served as a flight test engineer officer. As a chief engineer, Jacobs supervised the build-up and first flight for three test aircraft, and he has logged over 500 hours of flight time in 14 different Air Force, Navy and civilian test aircraft. He is also an accomplished aviation artist, and has completed over 50 commissioned oil paintings on aviation themes!

V233 *The Tuskegee Airmen: Myths and Realities*

Dr. Daniel L. Haulman

Dr. Haulman is Chief, Organization History Division, at the U. S. Air Force Historical Research Agency, where he has been employed since 1982. He discusses the Tuskegee Airmen, who were essentially ignored for decades in the 'pages' of American military history. Haulman indicates that, as the fame of the Tuskegee Airmen has grown, so have the myths about them. He not only corrects these misconceptions, he also analyzes what the Tuskegee Airmen actually accomplished during World War II, not only for their country, but also for the cause of equal rights for African Americans.

Post World War II and the Cold War

V903 *Berlin and Back on Two Sticks*

V993 *of Gum*

Colonel Gail S. Halvorsen, USAF (Ret)
(two lectures)

In both his 1990 and 1999 appearances with our Guest Lecture Series, Colonel Halvorsen relates his heartwarming story of selflessness during the Berlin Airlift. As a young pilot during the Airlift, then-Lieutenant Halvorsen flew essential food, fuel, and other supplies into Soviet blockaded Berlin. The pilots flew under an extremely rigid system of traffic control which required each pilot to fly an exact route at predetermined speeds and altitudes. Halvorsen became known as the "Candy Bomber," "chocolate pilot," and "Uncle Wiggly Wings," as he dropped small candy laden parachutes from his aircraft to blockaded Berlin youngsters.

V963 *The Peacemaker: B-36*

Lieutenant Colonel William Rein, Jr., USAF (Ret)

Born in 1921, Lieutenant Colonel Rein showed a very early interest in flying. As a young boy, living near an airport where parachute jumps were a daily occurrence, he discovered that the first youngster to reach the parachutist and allow him the use of his bicycle would receive a ride in an airplane. A frequent winner, Rein enjoyed his many flights. Rein's considerable experience with the B-36 comes from years as a trainer and instructor for the P-40 and B-29, in addition to flying the B-29, P-51, and B-36. He draws on this experiences as well as his deep affinity for the B-36 for this lecture.

V984 *Cold War Reconnaissance*

Mr. Donald E. Hillman
(first lecture)

Project Heart Throb

Major General Gerry Cooke, USAF (Ret)
(second lecture)

In the spring of 1952, during the Korean War, U.S. leaders received firm intelligence that the Soviet Air Force had begun staging bombers in Siberia. The Joint Chiefs of Staff received permission from President Truman for a reconnaissance overflight of Soviet Siberia. Colonel Hillman planned and flew the mission using the Air Force's new B-47. He relates his experiences, describing the airplane and crew preparations, and the flight itself during which MiG-15s pursued him. This exciting story, classified until 1993, has only recently been revealed.

V003 *Flying the U-2 and SR-71*

Major General Patrick J. Halloran, USAF (Ret)

General Halloran was one of a handful of Air Force pilots who flew both the U-2 and the SR-71. He spent 17 years with these two aircraft, first as a primary mission pilot, and later as commander of a squadron and then of a wing. He touches on the development of

these remarkable aircraft and then discusses the training and operational challenges of flying such high performance machines.

V013 *Predator Ops*

Lieutenant Colonel Brian Bergdah, USAF

Lieutenant Colonel Bergdah shares his role in the first-ever wartime use of the unmanned aerial vehicle, Predator, during Operation ALLIED FORCE in Bosnia - Herzegovina. He is a master navigator with more than 3,000 flying hours and over 50 operational deployments in RC-135s, AC-130s and unmanned aerial vehicles.

V017 *Looking Down the Throat of the Bear*

Colonel Bruce Olmstead, USAF (Ret)

Colonel John McKone, USAF (Ret)

On July 1, 1960, a Soviet MiG fighter shot down a six-man RB-47 crew, including Colonels Olmstead and McKone. Both were imprisoned in Moscow's dreaded Lubyanka prison and accused by the Russians of espionage, punishable by death. In this lecture, they relate their experiences, including their interrogations, death threats, and ultimate success at resisting all Soviet efforts to obtain information and "confessions."

V018 *B-2s in Operation ALLIED FORCE: The Spirit of the Fight*

Major General Leroy Barnidge, Jr., USAF

An accomplished bomber pilot having flown missions with B-52s, B-1Bs, and the B-2 "flying wing," General Barnidge discusses his role as the commander of the Air Force's only B-2 wing, the 509th Bomb Wing. As the leader of this elite fighting force, Barnidge spearheaded the deployment of B-2s during the Kosovo operation. His presentation focuses on Kosovo, the B-2s contributions, and the lessons learned.

V021 *Ten Myths about the Early History of the U-2*

Mr. Chris Pocock

More than forty years after Gary Powers was shot down over the Soviet Union, there are still many misperceptions about the U-2 incident, and the remarkable airborne reconnaissance program that preceded it. Mr. Pocock attempts to set the record straight.

V025 *U.S. Cold War Air Losses: Investigation by the U.S.-Russian Joint Commission on POW/MIAs*

Major Matthew Kristoff, USAF (Ret)

This presentation focuses on the Commission's efforts in investigating ten U.S. reconnaissance aircraft that were lost over or near the boundaries of the former Soviet

Union between 1950 and 1965.

V026 *Task Force Ranger: Courage Under Fire*

MSgt. Timothy Wilkinson

MSgt. Wilkinson received the Air Force Cross for his heroic efforts while supporting Task Force Ranger during the 18 hour firefight in Mogadishu, Somalia, on October 3 and 4, 1993. He became the first enlisted person since 1975 to receive the Air Force Cross.

V041 *The Hot War in the Cold War: Aerial Reconnaissance in its Human Dimension*

Mr. William E. Burrows

Mr. Burrows speaks about aerial reconnaissance against the communist block during the Cold War. Burrow's presentation specifically focuses on three components of that reconnaissance—operational details and requirements of the mission, how the program affected the airmen and their families, and how the government handled (or mishandled) the loss of more than 160 airmen on peripheral flights.

V155 *An Insider's History of the Cold War*

Mr. Thomas Reed

Mr. Reed, a former Secretary of the Air Force, details the Cold War from the unique perspective of a top-level government official. Reed indicates that the major participants were armed with thousands of nuclear weapons, and yet those weapons were never utilized. He notes, as the crises escalated, honorable men and women on both sides kept their composure and did "what was right" to keep us all away from the nuclear abyss. His first book, *At the Abyss: An Insider's History of the Cold War*, discloses thirty stories about individuals who fought and finalized the Cold War without a single nuclear weapon being fired.

V156 *The RF-86 in the Cold War, Korea and After*

Major General William MacLaren, USAF (Ret)

During the Korean War, the Air Force discovered the need for a high-speed reconnaissance aircraft that could take photographs over enemy territory and escape attack by Soviet MiG-15s. General MacLaren leads a group discussion regarding the advantages that the RF-86 gave to our country.

V165 *American Raiders: The Race to Capture the Luftwaffe's Secrets*

Colonel Wolfgang Samuel, USAF (Ret)

Colonel Samuel tells the story of the disarmament of the once powerful German

Luftwaffe, and also discusses Operation Lusty, by utilizing official Air Force records and survivors' interviews. Samuel was born in Strasburg, Germany, and entered the United States in 1951 as a refugee. During his 30-year career in the U. S. Air Force, he flew more than 100 strategic reconnaissance missions during the Cold War, 77 combat missions in Vietnam and served as chief commander of the Foreign Technology Division at Wright-Patterson Air Force Base. Samuel served on the Air Staff at the Pentagon on two separate occasions and has authored four books.

V170 *Cold War Warrior*

Colonel James Kasler, USAF (Ret)

Colonel Kasler, the only three-time recipient of the Air Force Cross, discusses his incredibly-distinguished military career, including the six years he spent as a prisoner of war in Vietnam. He served in World War II, the Korean War and Southeast Asia, and experienced combat in aircraft ranging from the B-29 to the F-86 to the F-105.

V207 *The Black Bats: CIA Spy Flights Over China from Taiwan, 1951-1969*

Mr. Chris Pocock

British author Chris Pocock discusses his latest book "The Black Bats," and he tells a story of aerial espionage during the Cold War that has never been told before. Pocock is regarded by many as the foremost authority on U-2 aircraft. He has also contributed to various aerospace publications and has edited two international business-to-business journals for air cargo enterprises. Currently, he is the defense editor of *Aviation International News* and the European editor for *Cargo Facts*.

V230 *Covert Air Reconnaissance in Europe: USAFE Operations, 1946-1990*

Lieutenant Colonel John Bessette, USAF (Ret)

Lieutenant Colonel Bessette discusses the period shortly after the end of World War II, when the victorious Allies split Germany and Austria into territories, and when relations between the three western Allies and the Soviet Union disintegrated. He describes the reconnaissance operations/missions of the U. S. Air Forces in Europe (USAFE) as intelligence on the Soviet Union was collected, and also explores the history of various units and the aircraft they flew.

Korea, Vietnam and Southeast Asia

V881 *Escape from Laos*

Colonel Eugene P. Deatrick, USAF (Ret)
Lieutenant Dieter Dengler, USN (Ret)

On July 20, 1966, while on a mission over North Vietnam, Colonel Deatrick spotted Lieutenant Dengler in the jungle. Dengler had been shot down in February while on a strike mission from the USS Ranger. While Dengler escaped unhurt from his airplane, he was captured by Laotians a few days later. Discover the story of a POW and the pilot who rescued him.

V882 *The Rescue at A Shau*

Colonel Bernard Fisher, USAF (Ret)

Colonel Fisher was an A-1E pilot assigned to A Shau, South Vietnam. In March 1966, the Special Forces Camp was attacked by 2,000 North Vietnamese Army Regulars. During the battle, Fisher observed fellow airman, Major Dafford Myers, crash land on the damaged airstrip. Despite the danger, Fisher rescued Myers, and for his conspicuous gallantry and intrepidity, Fisher was awarded the Medal of Honor. Re-live this daring rescue by a modern day hero.

V885 *Fox Two*

Commander Randy "Duke" Cunningham, USN (Ret)

Commander Cunningham served two tours of duty in Southeast Asia, emerging as the first American ace of that conflict, the first all-missile ace, and the first ace to achieve this status in an F-4. In this highly motivational talk, Cunningham intertwines his experiences as a fighter pilot and instructor at the Top Gun School with his personal life philosophy.

V893 *Rolling Thunder: A View from the Cockpit*

V001 Colonel Jacksel M. Broughton, USAF (Ret)

In both his 1989 and 2000 appearances with our Guest Lecture Series, Colonel Broughton relates his experiences with the *Rolling Thunder* bombing campaign, which was designed to curtail North Vietnam's war-making ability in Hanoi and the Red River

heartland. Broughton served as Vice Commander of an F-105 fighter wing during the Vietnam War. Nicknamed "The Dirty Dozen Air Pirates," Broughton and his pilots led air strikes as part of *Rolling Thunder*, the United States' bombing campaign directed against North Vietnam between 1965 and 1967. He recounts the experience of leading his pilots against the fiercest defenses ever encountered in the history of aerial warfare.

V902 *The Ravens*

Mr. John M. "Mike" Byers

The Ravens were an elite group of Air Force pilots who fought a secret war in Laos during the Vietnam War. Their mission was to fly low and slow, spot enemy movements, and direct the winged artillery of the American air strikes from adjacent South Vietnam, Thailand, and U.S. aircraft carriers. Flying around the clock and against some of the heaviest anti-aircraft fire in the world, the Ravens learned fast or died quickly.

V904 *A History of the Air Commandos*

Brigadier General Harry C. Aderhold, USAF (Ret)

General Aderhold (Commando One) discusses the utility of, and need for, air commando and special operations in today's military environment. He gives special emphasis to the Vietnam period, as well as to contemporary USAF Special Operations.

V906 *Bat 21*

Lieutenant Colonel Iceal "Gene" Hambleton, USAF (Ret)

In 1972, Lieutenant Colonel Hambleton was serving as co-pilot, engineer, and navigator in an EB-66 airplane. Without warning, a SAM missile struck and exploded with terrific impact. Suddenly, he was parachuting into the middle of a Vietnam jungle firefight, 12 miles south of the DMZ. Before it was over, the effort to free Hambleton – code named BAT 21 – would become the largest one-man rescue operation in Air Force history.

V907 *From Berlin to Hanoi*

Brigadier General Robin Olds, USAF (Ret)

General Olds is rated a triple ace, having shot down a total of 17 enemy aircraft during World War II and the Vietnam War. His presentation focuses on the evolution of the fighter pilot and the development of the fighter ace from the 1940s through the 1970s.

V915 *No Guts, No Glory*

Major General Frederick C. Blesse, USAF (Ret)

General Blesse discusses the evolution of fighter tactics from the Korean to the Vietnam Wars. During the Korean War, he flew two combat tours, completing 67 missions in the

F-51, 35 missions in the F-80 and 121 missions in the F-86. He was the Air Force's leading jet ace in October 1952, and flew 157 missions in Southeast Asia, 108 of which were over North Vietnam. He later commanded the Air Force's first F-111 wing.

V936 *The Air War in North Vietnam*

Colonel Charles DeBellevue, USAF (Ret)

Colonel DeBellevue is the leading Air Force ace from the Vietnam War, credited with the destruction of six North Vietnamese jet fighters in aerial combat – four MiG-21s and two MiG-19s. He offers a first hand account of air to air combat in Route Rack VI, the area in and around Hanoi, North Vietnam during Operation Linebacker.

V952 *Return with Honor*

V152 Colonel Bud Day, USAF (Ret)

On August 26, 1967, Colonel Day was shot down over North Vietnam. For more than five years, he was held as a prisoner of war. Though credited with being the only POW to escape from a North Vietnamese prison, he was later recaptured by Viet Cong forces in the South. Day is the nation's most highly decorated officer with nearly 70 decorations and awards, and more than fifty of them are for combat, including the Medal of Honor. (New version is V152 "A Matter of Honor").

V971 *MiG-15s in the Korean War*

Mr. Kenneth H. Rowe (aka No Kum-Sok)

Mr. Rowe grew up in North Korea and studied at the North Korean Naval Academy. On September 21, 1953, while serving in the North Korean Air Force, Rowe flew his MiG-15 out of North Korea and into the history books as the only North Korean pilot to defect to South Korea. After landing his aircraft at Kimpo Air Force Base near Seoul, he embarked on the long journey to America where he finally achieved the true freedom he had sought his entire life. Rowe relates his unique and fascinating story of courage.

V995 *From Son Tay to the SS Mayaguez*

CMSgt. Wayne L. Fisk, USAF (Ret)

In November 1970, American forces in Vietnam staged a daring commando raid against Son Tay, one of the most notorious prisoner camps in North Vietnam. CMSgt. Fisk flew with a joint Army and Air Force team to the outskirts of Hanoi to assault the camp. Fisk relates his experience with this precedent setting operation as well as with the recovery and rescue of the SS Mayaguez from Cambodian pirates. This operation proved to be the war's final combat operation and one of its most fiercely fought battles.

V996 *A Matter of Honor*

Colonel George E. Day, USAF (Ret)
Colonel James P. Fleming, USAF (Ret)
Colonel Joe M. Jackson, USAF (Ret)
Colonel Leo K. Thorsness, USAF (Ret)
Mr. John L. Levitow

Ordinary men doing extraordinary things. These five soldiers did just that. Each describes the mission which led to receiving our nation's highest military decoration, the Medal of Honor.

Though a Marine in World War II, Colonel Day eventually served two tours of duty as a jet pilot in Korea. During the Vietnam War he commanded an F-100 squadron and in 1967 was shot down over North Vietnam and spent 67 months as a prisoner of war. Colonel Fleming began his Air Force career as a fixed wing pilot, but later moved to piloting helicopters. After a distinguished career in the 20th Special Operations Squadron in Vietnam, Fleming became an instructor at the Air Force Academy. In 1941, Colonel Jackson enlisted in the Army Air Corps and served as a B-25 crew chief. He later received his wings and served in Germany, Korea, and with the 2nd Air Force Headquarters in Vietnam. In addition to many other distinctions, Jackson was one of the Air Force's first U-2 pilots.

Colonel Thorsness enlisted in the Air Force in 1951 and served as a SAC and TAC fighter pilot, where he accumulated nearly 5000 flying hours. In 1967, he was shot down and spent six years as a prisoner of war in North Vietnam. In 1966, Mr. Levitow joined the Air Force and was eventually assigned to the 3rd Special Operations Squadron, Bien Hoa Air Base, Republic of Vietnam. Retired from the Air Force since 1970, Levitow continues his work with fellow veterans as the Director of Planning and Legislative Officer for the Connecticut Department of Veterans Affairs.

V012 *The Flying Life*

Mr. Steven Coonts

Best-selling author of such novels as *Flight of the Intruder* and *Under Siege*, Mr. Coonts is also a retired naval aviator. Flying A-6 Intruders, he made two combat cruises aboard the USS Enterprise during the final years of the Vietnam War. After leaving active duty in 1977, he entered law school and subsequently began his writing career. In his presentation, Coonts relates how he became a writer, and how he incorporates flying into his novels.

V024 *The Air Role in SOG Covert Ops*

Major John Plaster, USAF (Ret)

Major Plaster describes the integral role played by USAF and U.S. Army aviation, as the sole support for Studies and Observation Group's (SOG) covert cross-border operations in Laos, Cambodia and North Vietnam. These top secret operations tied down 40,000 enemy troops far from the battlefields of South Vietnam.

V028 *Combat Rescue in Vietnam, 1965-1975: A Jolly Green Pilot's Reflections*

Dr. John Guilmartin, Jr., Lieutenant Colonel, USAF (Ret)

Dr. Guilmartin discusses the development of Air Force combat rescue tactics, including precursor operations in Korea, the pivotal contributions of the Pararescue Corps, early Southeast Asia combat rescues with the HH-43 Pedro, the vital importance of radio communications and the evolution of the Jolly/Sandy partnership.

V038 *The Man with the Tired Guardian Angel.... My 33 Years of Flying Fighters for Uncle Sam*

Brigadier General Robinson Risner, USAF (Ret)

General Risner's presentation explores his extensive career as an Air Force fighter pilot throughout World War II, the Korean War and the Vietnam War, including his experiences as a Prisoner of War of the Communist North Vietnamese for seven and a half years.

V043 *Misty—A Top Secret Mission and a Book, 35 Years Later*

Major General Donald W. Shepperd, USAF (Ret)

Misty is a collection of first-person stories from 155 fighter pilots who flew top secret missions during the Vietnam War. General Shepperd details these personal accounts, which are filled with emotion, tragedy, drama and humor. Shepperd also discusses his book, and there truly has never been a book written like this one.

V046 *Cheating Death*

Mr. George J. Marrett

Mr. Marrett discusses the missions over North Vietnam that few pilots wanted, but ones that every shot-down pilot prayed for. Marrett describes incredible accounts of Air Force pilots who flew World War II-vintage A-1 Skyraiders within range of enemy missiles and guns. These brave pilots flew their propeller-driven relics in order to help rescue thousands of downed Air Force and Navy pilots. Marrett depicts some of the most compelling aerial battles of any war, and vividly captures the people, places and events.

V157 *Ethics and Leadership in Tough Times*

Colonel Leo K. Thorsness, USAF (Ret)

Colonel Thorsness' presentation focuses primarily on ethics and simply "doing what is right." Thorsness describes and uses examples from his personal experience during his time in "Wild Weasel" combat missions in Vietnam and his six years as a prisoner of war.

V158 *The Air War In and Around the Hanoi Area*
Colonel Charles DeBellevue, USAF (Ret)

The leading ace from the war in Southeast Asia discusses the air war in and around the Hanoi area. DeBellevue, a highly-decorated veteran, describes his experiences during aerial combat over Vietnam, where he was credited with the destruction of six North Vietnamese jet fighters.

V161 *Rolling Thunder to Linebacker*
Major Ed Rasimus, USAF (Ret)

Major Rasimus talks about his experiences in North Vietnam, from the air war during the early days of escalation to the final days of Operation Linebacker, which helped to bring about the release of U.S. prisoners of war. He shares his experiences as an Air Force pilot and discusses the war from a personal perspective. He flew more than 250 combat missions and has written two books on the subject as well.

V167 *Reflections on Operation Babylift*
Colonel Regina Aune, USAF (Ret)
Colonel Bud Traynor, USAF (Ret)
Chief Master Sergeant Ray Snedegar, USAF (Ret)

On April 4, 1975, a C-5 "Galaxy" aircraft was airlifting Vietnamese orphans from Saigon when it crash-landed shortly after takeoff. Medical and flight crews were able to save 176 of the people on board. Colonel Bud Traynor, Colonel Regina Aune and CMSgt. Ray Snedegar were the flight's aircraft commander, medical crew director and senior loadmaster, respectively. They discuss their experiences during that ill-fated flight.

V172 *Call Sign Raven: Fighting the Air War in Laos*
Colonel Darrel Whitcomb, USAF (Ret)

Colonel Whitcomb, a 1969 graduate of the Air Force Academy, served three tours of duty in Southeast Asia as both a cargo pilot and a forward air controller/Raven, flying combat sorties over Vietnam, Laos and Cambodia. In his presentation, Whitcomb relates his experiences in the Vietnam War and explains that it was a conflict that spread across much of Southeast Asia, including Cambodia and Laos. He has also written two books on aviation history and combat search and rescue, as well as numerous articles for periodicals and magazines.

V181 *Vietnam's F-105 Rolling Thunder: Its 2007 Meaning*
Colonel Bob Krone, USAF (Ret)

Colonel Krone discusses the F-105 Thunderchief, its pilots, missions and the 2007 meaning of the war in Southeast Asia. He is an educator, author and consultant in advanced management theory and practice, and he has taught business and

management at both the undergraduate and graduate levels for many years. As an Air Force pilot, he flew many aircraft including the T-33, F-84, F-100, F-86, T-39 and F-105.

V186 *Hanoi Remembered*

Canadian Colonel Lorne RodenBush (Ret)

Canadian Colonel RodenBush recalls his role as Canada's Permanent Representative to the International Control Commission in Hanoi at the height of the bombing during the Vietnam War. He explains the reasoning for Canada's being one of the few western countries with diplomatic representation in the Democratic Republic of Vietnam, and he also discusses some of their political endeavors such as the Canadian peace initiative.

V187 *Son Tay Raider-Pilot Looks Back*

Major William A. Guenon, Jr. (Ret)

Major Guenon discusses his new book "Secret and Dangerous, Night of the Son Tay P.O.W. Raid." He explains how he flew "low and slow" in the lead C-130, operating in radio silence mode, as he led an unusual formation of six rescue helicopters. These helicopters were occupied by 56 Green Berets, and he ushered them to Son Tay Prison, while avoiding surface-to-air missiles, MiGs and anti-aircraft artillery around Hanoi.

V190 *Accounting For America's Missing Heroes*

Mr. Adrian Cronauer

Mr. Cronauer, formerly a sergeant in the Air Force, was co-author of the original story for the major motion picture, *Good Morning, Vietnam!* He discusses his ongoing experiences as Special Assistant to the Director of the Defense POW/Missing Personnel Office (DPMO) and as advisor to the Deputy Assistant Secretary of Defense (DASD). His responsibilities include outreach programs to veteran, family and activist groups, and he oversees DPMO involvement with multiple international organizations.

V197 *Reflections on Heroism at Lima Site 85*

Dr. Timothy N. Castle

In March of 1968, the Air Force suffered the greatest ground combat loss of the Vietnam War. Dr. Castle, a career intelligence officer with extensive experience in Asia, discusses the details of that event contained in his book entitled *One Day Too Long: Top Secret Site 85 and the Bombing of North Vietnam*.

V202 *Getting Through Tough Times*

Colonel Leo K. Thorsness, USAF (Ret)

Colonel Thorsness, a Medal of Honor recipient, discusses how combat and becoming a

prisoner of war expand the importance of making the most of what we have, of finding out we are stronger than we think, and of realizing the majority of us actually do come out the back end of adversity better, stronger and smarter than when we went in. He served as a fighter pilot and flew 92.5 Wild Weasel missions over North Vietnam. He was shot down in April of 1967 and became a prisoner of war until his release in 1973.

V204 *Nevermore – The Story of the Raven FAC's and the Secret War in Laos*

The Honorable Craig W. Duehring

The Honorable Craig W. Duehring, a former Raven forward air controller during the war in Southeast Asia, relates the story of the FAC pilots who fought the war in Laos from 1966 to 1973. He indicates that there were fewer than 190 pilots involved in this special mission, however, their impact on the war was much greater than their numbers would suggest. Duehring flew over 1,500 combat hours, primarily as a Raven FAC in an unmarked propeller-driven aircraft.

V208 *The Air War in Korea: A Chinese Perspective*

Dr. Xiaoming Zhang

Dr. Zhang, associate professor in the Department of Leadership and Strategy at the Air War College, discusses Chinese military involvement in the Korean and Vietnam Wars, as well as Sino-Soviet relations during these wars. Zhang has frequently traveled to Taiwan and China as part of a mil-to-mil exchange program between the U. S. and those two countries. He has also authored more than a dozen articles and book chapters on the subject, and he is currently writing a book on China's 1979 war with Vietnam and articles on the Chinese air force.

V209 *My Enemy....My Friend*

Brigadier General Dan Cherry, USAF (Ret)
Mr. Nguyen Hong My

Former enemy pilots General Cherry and Mr. Hong My discuss Cherry's book "My Enemy, My Friend." On April 16, 1972, in the skies near Hanoi, North Vietnam, Cherry first met Hong My. In a very intense, five-minute aerial battle, Cherry shot down the MiG-21 being flown by Hong My. Cherry returned safely to the base but Hong My was severely injured during the ejection process. Thirty-six years later, they met again in Ho Chi Minh City, Vietnam, for the first time since they engaged in aerial combat, and they have been good friends ever since.

V210 *Air Power in the Korean War: America's First Jet-Age Air War*

Dr. Richard P. Hallion

Dr. Hallion, internationally-recognized aerospace historian, discusses the early days of the jet age and the role of air power during the Korean War. In June 1950, North

Korean forces invaded South Korea, and this aggression precipitated a long, three-year air war that tested the newly-formed U. S. Air Force, the Navy and the Marine Corps. Hallion is a former Smithsonian curator and a retired Air Force senior executive, and he has written more than a dozen works on the history of flight, as well as on military and civil aviation.

V221 *A Rather Bizarre War: The Air Force Learns / Adapts in Korea*
Dr. Conrad C. Crane

Dr. Crane, Director of the U. S. Army Military History Institute, discusses how the Korean War was the first armed engagement for the newly-formed Air Force, but far from the type of conflict it expected or wanted to fight. The Korean War was the first air war of the nuclear age, and it challenged the Air Force to define and successfully carry out its mission. The impressive way in which the service learned and adapted in combat reveals much about the capabilities, as well as the limitations, of air power.

V223 *Alone, Unarmed and Unafraid: Unarmed Reconnaissance during the Vietnam Conflict*
Mr. Taylor Eubank

Mr. Eubank explores a previously unchronicled and unheralded piece of the war in Southeast Asia, unarmed aerial reconnaissance. He completed his SEA tour of duty with 200 unarmed combat missions, and his memoirs regarding that portion of his Air Force service (*Alone, Unarmed and Unafraid*) was first published in 1991 and again in 2010. Eubank also had a very successful career with the Federal Bureau of Investigation (FBI) and one of his assignments was in Arkansas, where he established and supervised the FBI's aviation operations for the state.

V225 *The Early Weasel Days: The Air Force's First Anti-SAM Efforts*
Colonel Mike Gilroy, USAF (Ret)

Colonel Gilroy discusses the dangers, opportunities and challenges facing Wild Weasel and Strike crews in the mid-1960s in Southeast Asia. He was a member of the first eight pilot/EWO crews deployed to Takhli Air Base in Thailand (the entire group arrived there on July 4, 1966). After six weeks of combat, four crew members had been killed, three had been wounded, two were prisoners of war and only one of their six aircraft remained air worthy. Gilroy, one of the first SAM killers, also details his impressive career in the Air Force.

V226 *B-29s in the Korean War: The Superfortress' Final Glory*
Lieutenant Colonel George A. Larson, USAF (Ret)

Lieutenant Colonel Larson explores the significant role played by the B-29 "Superfortress" during the Korean War. He served as a strategic intelligence officer with the Strategic Air Command, Defense Intelligence Agency, Pacific Air Forces, and was also Commandant

of Cadets with Air Training Command's Air Force Reserve Officer Training Corps at the University of Iowa. Larson has written four books and well over 300 magazine articles on military history, aviation, naval and general history.

V231 *Aircraft and Aces: The Fight for Air Superiority over Korea, 1950-1953*

Dr. Kenneth P. Werrell

Dr. Werrell graduated from the U. S. Air Force Academy in 1960 (the second class), and he served as an aircraft commander flying WB-50's out of Japan. He discusses the Korean War, in which the first and largest jet-versus-jet fighter conflict occurred. Werrell explores the fabled 'Sabre and MiG' story, and he clears up many misunderstandings and mysteries, while emphasizing the importance of the American pilots' victory.

Operation Desert Storm and Beyond

V922 *Storm Over Iraq – The Making of an Air Power Victory*

Dr. Richard Hallion

Dr. Hallion discusses how the coalition air war against Iraq marked the unquestioned emergence of air power as the most potent, flexible, and adaptable form of military power. He examines the developments in air power that led to the victory in the Gulf War, specific aspects of the air war itself, and the implications for air wars of the future.

V925 *Rescue Under Fire – Experiences from Southeast Asia to Desert Storm*

Lieutenant Colonel Colin A. Clarke, USAF (Ret)

Captain Paul Johnson, USAF

Two recipients of the Air Force Cross discuss their rescue missions. An A-7D mission coordinator, Lieutenant Colonel Clarke's mission occurred on November 16, 1972, when two F-105 pilots were forced to eject near Thanh Hoa, North Vietnam. The rescue

involved over sixty aircraft and was completed with the successful pick-up of both pilots. Captain Johnson, an A-10A mission coordinator, participated in Operation Desert Storm. His mission occurred on January 21, 1991, when two Navy pilots ejected deep inside Iraqi territory after a missile exploded near the tail of their F-14. Although one pilot was captured, Johnson made contact with the other pilot.

**V974 *Desert Storm: F-117A Operations
(A Behind-the-Scenes Look)***

Lieutenant Colonel K.D. Boyer, USAF

As Chief of Mission Planning for the F-117, Lieutenant Colonel Boyer was responsible for each Stealth Fighter mission flown during Operation Desert Storm. By war's end, F-117s had flown almost 1300 combat missions, and his presentation features footage of these bombing missions as viewed from the cockpit. Additionally, Boyer offers an inside look at the daily life of the F-117 unit deployed during the Gulf War. He also shares personal observations about some of the people he met as part of his duties, including Generals Colin Powell and Norman Schwarzkopf, and then-Defense Secretary, Richard Cheney.

V014 *Change in the Nature of War: The Desert Storm Air Campaign*
Brigadier General David Deptula

General Deptula's contributions to Allied success during the Gulf War are immeasurable. He is credited with creating the plan for the air campaign which resulted in more separate targets hit in 24 hours than during the combined central European campaigns in 1942 and 1943. Deptula explores the basis for the planning and execution of the air attacks, the underlying reasons for their overwhelming success, and the implications for the future.

V033 *Thumbs Up America: Americans at War*
Colonel Dean Smittle, USAF

Colonel Smittle's lecture covers many aspects of the impending war with Iraq. He discusses possible weapon(s) locations, detailed maps of Iraq, and friendly nations we may have used as offensive launch points. Smittle also covers our air power capabilities, new weapons systems and our special operations parameters and capabilities.

V034 *Operation Enduring Freedom: A Combat Controller's Story*
TSgt. James Hotaling, USAF

This presentation details TSgt. Hotaling's story of deployment inside Afghanistan. Hotaling discusses nine combat missions that he participated in with various Coalition Special Forces Teams. In addition, Hotaling details his 14-day battle in Operation Anaconda, life with coalition partners, combat and the close air support used to destroy enemy targets.

V035 *An Airman's Faith, Inside Saddam's Prisons*

Colonel David Eberly, USAF (Ret)

Colonel Eberly gives a powerful presentation regarding his experience as the senior Allied POW in Baghdad during the Gulf War. His uplifting message dramatically highlights the excitement of the first night of that historic air campaign, and then takes you from the moment of missile impact to the fear, dismal isolation, starvation and psychological torment of Saddam's prisons.

V036 *Lessons for Airmen from the Kosovo and Afghanistan Experience*

Lieutenant General Michael C. Short, USAF (Ret)

General Short focuses on the lessons for Airmen that arose from the use of airpower in Serbia and Afghanistan. He shares his own thoughts on the positive and negative aspects of the campaign and what we must do at all levels of war if we are to be successful against a peer competitor.

V163 *The Unthinkable, The Unimaginable Happened: An F-117 was Shot Down in Combat*

Lieutenant Colonel Dale Zelko

Lieutenant Colonel Zelko relates his experience as the only F-117 "Nighthawk" pilot to be shot down during combat. His is a prime example of fortitude and accomplishment in an incredible against-all-odds scenario. Zelko is a command pilot with over 3,000 hours in fighters and fighter trainers and over 1,700 hours as an instructor pilot and flight examiner, and he has flown more than 100 combat hours in an F-117.

V175 *Constant Peg*

Colonel Gail Peck, USAF (Ret)

As a result of American fighter pilots performing marginally during the Vietnam War, Colonel Peck, former Red Eagle Commander and F-15C subject matter expert, initiated a top secret program to train Air Force and Navy fighter pilots to a degree of proficiency which had never been achieved previously. He discusses this classified program, as well as his experiences flying the MiG-17 and MiG-21 Soviet jet fighters.

V180 *Combat Search and Rescue in Desert Storm*

Colonel Darrel Whitcomb, USAF (Ret)

Colonel Whitcomb discusses his experiences regarding combat search and rescue (CSAR) in Southeast Asia, and examines the organization which was established to provide CSAR services in the Iraq-Kuwait theater of operations. He is a graduate of the Air Force Academy and served three tours of duty in Southeast Asia as both a cargo pilot and a

forward air controller. He has published two books and has written numerous articles for periodicals and magazines.

V184 *Air Force Combat Rescue in Afghanistan*

Lieutenant Colonel Jeff "Spanky" Peterson

In Afghanistan, a Navy Seal was severely wounded and Taliban fighters wanted very badly to capture him. A rescue team was sent in, but their helicopter was hit by a rocket-propelled grenade, killing all 16 on board. Join Lieutenant Colonel Peterson as he discusses his role during a daring combat rescue attempt. He recalls his squadron's deployment to Afghanistan, and their involvement in one of the largest combat search and rescue operations since the Vietnam War.

V185 *The Day I Went Boom! A Tale of Combat, Suffering and Survival in the Middle East*

TSgt. Israel Del Toro

During this lecture, TSgt. Del Toro shares his inspiring story of survival. On December 4, 2005, his Humvee rolled over a roadside bomb, inflicting wounds that have changed his face, hands and Air Force career forever. Since the incident, he has impressed doctors, trainers and colleagues with his recovery and dedication to the Air Force. He is currently assigned to the 759th Medical Support Squadron as a Tactical Air Control Party operator.

V195 *Not A Good Day To Die—The Untold Story of Operation Anaconda*

Mr. Sean D. Naylor

Mr. Naylor, a senior writer and investigative reporter for the Army Times Publishing Company, discusses his latest book (title notated above). He details what went right and what went wrong in the first major combined arms fight of the post 9/11 era.

V205 *Unmanned Aircraft Systems—Their Contributions to the Nation's Air Arsenal*

Colonel Christopher Coombs, USAF

Colonel Coombs currently serves as the commander of the 703rd Aeronautical Systems Group, Air Force Materiel Command, Wright-Patterson Air Force Base in Ohio. Col. Coombs and his organization provide logistics sustainment and acquisition management services, and they also conduct research, development, and test and evaluation for the MQ-1 Predator and the MQ-9 Reaper Unmanned Aircraft Systems (UAS). The group maintains a very high level of mission availability and capability with ongoing updates and modifications to the MQ-1 and fielding of the MQ-9.

V206 *Lessons Learned on the Global War on Terror, from the Perspective of a Special Tactics Pararescueman*
Chief Master Sgt. Ramon Colon-Lopez, USAF

Chief Master Sgt. Colon-Lopez currently serves as the Squadron Superintendent, 24th Special Tactics Squadron at Pope Air Force Base in North Carolina. He provides combat control and pararescue combat weather expertise during the analysis of special tactics, techniques and requirements to guarantee joint interoperability, as well as equipment standardization. Colon-Lopez is featured in the Museum's "Warrior Airmen" exhibit for his role in missions to capture or kill high-value targets related to the recent terrorist attacks on American soil and abroad.

Flight Technology

V886 *The National Aero-Space Plane Program*
Dr. Robert Barthelemy

Challenging us to consider that imagination could become reality, Dr. Barthelemy discusses the development and design of the National Aero-Space Plane (X-30). The concept was to develop a hypersonic and trans-atmospheric vehicle that could take off from a conventional airport runway, fly at six or more times the speed of sound at altitudes of 20 miles or more, and return to earth at an airport halfway around the world.

V891 *Flight Testing the Russian MiG-15*
Major General H.E. Collins, USAF (Ret)

Shortly after the truce that ended the Korean War, a North Korean defector landed a combat-armed Soviet-built MiG-15 near Seoul. The plane was disassembled and moved to Okinawa where test pilots and a team of Air Intelligence Center experts from Wright Field arrived to wring out the secrets from the prized aircraft. Then-Captain Collins became the first American to fly a MiG-15.

V894 *Perceptions of Soviet Aviation*

Dr. Mervin K. Strickler, Jr.

Dr. Strickler focuses his presentation on the development of Soviet aircraft and the state of Soviet aviation and aerospace technology just before the break-up of the Soviet Union. His unique perspective comes from having led the US-USSR Cooperative Exchange Program for the United States government from 1973 to 1979.

V895 *Flight Testing Early Delta Wings and the Rocket Powered Messerschmitt 163*

Mr. Rudolf Opitz

The German Messerschmitt 163 "Komet" was one of World War II's most unique aircraft developments. The Me 163 project began in 1937 when the Luftwaffe asked Dr. Alexander Lippisch to design a tailless aircraft powered by a rocket engine. Mr. Opitz was a flight instructor at the German Research Institute for Soaring Flight when he was asked to join its Flying Wing Department, headed by Dr. Lippisch, as a test pilot. After the war, he came to the United States, and served as a test pilot and supervisor of flight test operations for Avco-Lycoming.

V896 *Developing and Testing Aircraft: A Test Pilot's Point of View*

Mr. Tony LeVier

From stunt pilot and barnstormer to Lockheed test pilot, Mr. LeVier has led a fascinating flying life. In an XF-104, he became the first pilot to fly 1,000 mph in a jet aircraft. He piloted the U-2 through its initial series of test flights, and was the first pilot to fly the F-90, the F-94 series, and the T-33. In 1955, he traded in the cockpit for the boardroom to become Director of Flight Operations at Lockheed.

V897 *From the MB-1 to the B-1: A History of Bombers*

Lieutenant General James T. Stewart, USAF (Ret)

General Stewart traces the development of the earliest bombers to the B-1 "Lancer." This fascinating presentation highlights many of the "behind the scenes" stories of aircraft development. Stewart served with the 8th Air Force during World War II.

V931 *The Lockheed Skunk Works from 1954-1991*

Mr. Ben R. Rich

An insider's overview of the highly advanced and sophisticated airplanes designed and developed at Lockheed's famed Skunk Works between 1954 and 1991. Mr. Rich's lecture includes the U-2 series, the SR-71, the F-117A, and the Air Force's newest tactical fighter, the YF-22.

V933 *The Technical Breakthrough Airplanes*

Mr. Tex Johnston

One of America's most daring and accomplished test pilots, Mr. Johnston helped develop the jet age at Bell Aircraft and Boeing. He discusses the flight testing of six first-of-their-kind U.S. aircraft introducing new technologies that resulted in the high performance we've come to expect from today's aircraft, as well as the increased reliability of civil and military aircraft. They include the XP-59, the L-39, the XS-1, XB-47, XB-52, and the 367-80.

V935 *A History of the X-15*

Mr. William H. Dana

Mr. Dana was the Chief Pilot at NASA Ames-Dryden Flight Research Facility in California. He was project pilot on the X-15 and flew the rocket powered vehicle 16 times, reaching a top speed of 3,897 mph and a peak altitude of 310,000 feet (nearly 59 miles high). He discusses the origins, design, and operation of the X-15.

V942 *Flying the Flying Wing*

Brigadier General Robert Cardenas, USAF (Ret)

General Cardenas, former B-24 pilot and experimental test pilot, focuses his presentation on the five year period from 1945 to 1950, often referred to by test pilots as "The Glory Days of Aviation." An experimental test pilot himself, he relates his experiences as a member of the team assigned to "break the sound barrier," and discusses the development of the "Wing Form" as a viable aircraft system.

V964 *The F-117A*

Mr. Dennis Giangreco

The story of the F-117A can be interpreted as one of technology, but Mr. Giangreco suggests that it also has a very human dimension. Thousands worked on the ultra-classified project to develop a "low-observable" aircraft. Its secrets were carefully guarded, insuring that even highly informed observers had only a vague idea of how Lockheed and the Air Force succeeded in developing a weapon practically invisible to radar.

V983 *Advanced Tactical Fighter and F-22 Experiences*

Brigadier General William J. Jabour, USAF

General Jabour shares his experiences with both the F-22 fighter and the B-2 bomber from the perspective of pilot, test pilot and program director. Currently the system program director for the B-2 bomber at Wright-Patterson Air Force Base, Ohio, Jabour reflects on the lessons learned during his flight tests of prototype aircraft and the impact those tests have had on the development of the Air Force's next generation of aircraft.

V022 *Manned X-Planes: A History of Design, Development and Flight Testing*

Mr. Jay Miller

Mr. Miller discusses 21 manned X-Planes, and puts special emphasis on the Bell X-1, in commemoration of the anniversary of the first supersonic flight (October 14, 1947).

V154 *Readying the Raptor for War: The Challenges of F/A-22 Flight Tests*

Lieutenant Colonel Evan C. Thomas, USAF

Lieutenant Colonel Thomas discusses the intricacies involved in flight testing the "Raptor." He also expounds upon the historical foundations of flight testing at the Air Force Flight Test Center at Edwards Air Force Base and how that all made this development possible.

V171 *Air Force Contributions to Aerospace Technology*

Dr. Richard Hallion

Dr. Hallion is currently the Senior Advisor for Air and Space Issues, the Directorate for Security, Counterintelligence and Special Programs Oversight at the Pentagon. He discusses what this position entails, as well as his experiences in science and technology museum development. Dr. Hallion has authored and edited numerous books relating to aerospace technology and military operations, and he was also the Air Force historian from 1991 until 2002.

V174 *Recollections from a Pilot of Have Blue and Tacit Blue*

Lieutenant Colonel Ken Dyson, USAF (Ret)

Lieutenant Colonel Dyson, one of the test pilots who demonstrated that an aircraft could operate close to the battlefield without being discovered by enemy radar, discusses his experiences regarding advances in stealth technology. As an Air Force test pilot, Dyson flew the F-100, F-101, F-4, F-15, F-104, B-1B and the highly classified Have Blue stealth fighter prototype, which led to the development of the F-117 aircraft.

V192 *Challenges of the Next Generation Unmanned Aircraft System*

Mr. Sean "Skipper" Moulton

Mr. Moulton delves into the future of unmanned aerial vehicles (UAVs) and discusses the concept from a command pilot's perspective. He has over 3,900 flying hours to his credit in multiple aircraft, including both combat and combat support missions. He has also been in charge of the Air Force's RQ-4 Global Hawk and U-2 Dragon Lady programs and is currently lead integrator for Unmanned Aircraft System integration in the National Airspace System.

V196 *The Sky Is My Office*
Colonel Joseph Kittinger, Jr., USAF (Ret)

Colonel Kittinger discusses his 29-year Air Force career. His most significant accomplishment was when he stepped from a balloon-supported gondola (at an altitude of 102,800 feet) to test the use of a parachute for escape from a spacecraft or high-altitude aircraft. The jump set records that still stand today: highest ascent in a balloon, highest parachute jump, longest free-fall and the fastest speed by a man through the atmosphere.

V222 *From Weasels to Raptors: A Test Pilot's Story*
Mr. Paul Metz

Mr. Metz discusses his amazing life as a pilot and test pilot, from his Air Force days flying F-105G Wild Weasel missions over Southeast Asia to his work as an engineering test pilot, vice president and chief test pilot for defense contractors and other entities such as Lockheed Martin and Rocketplane Global. He played an integral part in the development of numerous aircraft, including the F-22 Advanced Tactical Fighter, the F-22 Raptor, the F-20 Tigershark, the RF-5E Tiger Eye and the F-35 Joint Strike Fighter.

General Interest

V905 *Women in the Military*
Major General Jeanne M. Holm, USAF (Ret)

Today, the United States is more dependent on womanpower to meet its defense commitments than at any other time in its history. Though technically barred from active combat roles, in the event of war, military women would become casualties and perhaps prisoners of war. General Holm discusses the military events, as well as the social and economic circumstances that have shaped the decision to vastly expand women's participation in our nation's defense.

V914 American POW in Angola

Mr. Geoffrey H. Tyler

Mr. Tyler was possibly the last prisoner of the Cold War. In 1981, while ferrying a small airplane from Florida to South Africa, he made an emergency landing in Angola among communist troops. Six weeks of intensive interrogation and two years of imprisonment followed.

V923 Perspectives of War

Brigadier General John Alison, USAF (Ret)

General Alison's presentation centers around World War II, but touches upon Korea, Vietnam, and Desert Storm. Alison is a fighter ace with seven air victories to his credit. He earned these while leading a fighter squadron for General Claire Chennault in China. He led a night glider assault which landed General Wingate's forces behind enemy lines in Burma, and directed air operations against Japan from Okinawa.

V924 Benjamin O. Davis, Jr., American

Lieutenant General Benjamin O. Davis, Jr., USAF (Ret)

General Davis reflects on his experiences as the first black general officer in the United States Air Force. He graduated from West Point in 1936, the first black American to do so in the 20th century. He went on to command the famous Tuskegee Airmen, black pilots who served valiantly in World War II. His many achievements, as well as his determination to strive for the best in the face of racial prejudice, are chronicled in this presentation.

V926 The Evolution of U.S. Military Aircraft Colors and Markings

Mr. Dana Bell

Mr. Bell examines the roots of U.S. aircraft color and marking policies developed in the 1930s, and emphasizes where and how decisions have been made. He also charts the changing views on the use of camouflage with the help of a detailed slide presentation. Bell concludes by offering a forecast of color schemes for the future.

V932 To Fly and Fight

Colonel "Bud" Anderson, USAF (Ret)

Colonel Anderson, World War II triple ace, discusses his 30 years of military service, which spanned World War II and the Korean and Vietnam Wars. Anderson reflects on flying, its joys and dangers, and the very special skills it demands. He places special emphasis on World War II and flying the P-51, escorting heavy bombers to their targets and back.

V934 *Devil at My Heels*

Mr. Louis Zamperini

A 1936 Olympian in track, Mr. Zamperini almost created an international incident when he tore down Hitler's swastika. During World War II, he served with the Army Air Force, crashed at sea, and spent 47 days adrift in a small rubber raft (the longest in the history of the Armed Forces) and two and a half years as a POW in Japan.

V941 *The RAF*

Air Vice-Marshal Ronald Dick, RAF (Ret)

Frequent guest lecturer Air Vice-Marshal Dick provides an overview of Great Britain's Royal Air Force and its aircraft.

V944 *Finding Amelia*

Mr. Richard Gillespie

What happened to Amelia Earhart and Fred Noonan? Mr. Gillespie, the Executive Director of TIGHAR – The International Group for Historic Aircraft Recovery– presents the evidence gathered for five years, during two major expeditions, at a research cost of nearly one million dollars.

V965 *Words and Wings*

Ms. Reeve Lindbergh

Though quite an unlikely pair, Charles and Anne Lindbergh shared a remarkable partnership for almost half a century. Their youngest daughter, Reeve, shares their unique story including their exploration of the world by air as pilot and co-pilot in the pioneering days of aviation. They also raised a family of five and published a number of best selling books about their adventures and insights, including Charles Lindbergh's Pulitzer-prize winning *The Spirit of St. Louis*, and Anne Morrow Lindbergh's classic, *Gift from the Sea*.

V966 *Painting the Air Force*

Mr. Dana Bell

Mr. Bell discusses the evolution of the Air Force's complicated system of colors and markings, from simple protective dopes and varnishes to identification numbers to insignia for improved recognition. Illustrating his talk with slides, Bell describes the background and historical significance of markings as familiar as national insignia, as individual as nose art, and as obscure as the fuel tank crosses on Mustangs and Lightnings.

V972 *Keys to the Wright Brothers' Success*

Mr. Dale Whitford

On December 17, 1903, Orville and Wilbur Wright achieved the first powered flight and laid the foundation for modern aeronautical engineering and the age of aviation. Mr. Whitford examines the two brothers from a variety of perspectives, and suggests that their monumental achievement was made possible by a combination of factors including sharp, scientific minds, a natural talent for engineering, and a strong and supportive family. This interesting presentation explores the human side, as well as the scientific side, of these famous Dayton brothers.

V973 *A Wright-Patterson Round Robin—46 Years in the Making*

Major Emmett Hatch, USAF (Ret)

Major Hatch served as both a fixed wing and a rotary wing pilot and discusses his own career flying both types of aircraft during the Vietnam War. Hatch flew the HH-3 helicopters (nicknamed "Jolly Green Giants") as well as the HH-53 ("Super Jolly Green Giant") helicopters. Highlights of Hatch's presentation include seldom seen or recorded scenes of the "Jolly Green Giant" in action in Southeast Asia, where he completed a three-year tour.

V975 *One Woman's Army*

Ms. Charity Adams Earley

Ms. Earley attributes her success to taking advantage of opportunities and standing strong against all obstacles. Her fascinating life is notable for many firsts: first member of the first class of the Women's Army Auxiliary Corps, first black commissioned officer in the WACs, and commander of the only black women serving overseas in World War II. Her determination to succeed, and her willingness to challenge conventions about women and African Americans, makes her a true pioneer.

V976 *Human Potential: A State of Mind*

Colonel Edward L. Hubbard, USAF (Ret)

Building on his adverse experiences during more than six and one half years of captivity as a POW in North Vietnam, Colonel Hubbard has become an internationally known speaker dedicated to helping others overcome any obstacle, handle any ordeal, and reach any goal by developing the correct state of mind. Through examples of what he and fellow prisoners were able to achieve physically and mentally, with no resources, under the harshest of conditions, Hubbard conveys a personal message of self growth.

V981 *50th Anniversary Review of the U.S. Air Force and Its Origins*

Mr. Dan Patterson

Air Vice-Marshal Ronald Dick, RAF (Ret)

Mr. Patterson and Air Vice-Marshal Dick relate the exciting story of the past fifty years of Air Force history. Slides of unique and seldom seen photographs taken from their book, *American Eagles: A History of the U.S. Air Force, Featuring the Collection of the U.S. Air Force Museum*, illustrate major milestones while highlighting many of the lesser known events that shaped our Air Force heritage.

V985 *Loving's Love*

Mr. Neal V. Loving

Mr. Loving discusses his aviation experiences and contributions throughout his 53-year flying career. These include serving in World War II and forming an all-black Civil Air Patrol squadron (where he taught parachute jumping), starting an aircraft company to build military gliders for the Air Force, and opening a flight school for African-American students. From a Detroit ghetto to Wright-Patterson Air Force Base, Loving turned a love of flying into an impressive aviation career.

V986 *The Evolution of Aerial and Spatial Reconnaissance*

Mr. Dino A. Brugioni

Mr. Brugioni is a noted expert in the field of aerial and spatial imagery, especially as it applies to intelligence and environmental problems. In his lecture, Brugioni traces the history of aerial and spatial reconnaissance from its earliest beginnings in 1860 to today's sophisticated methods. He even gets the audience members involved by inviting them to identify famous events from World War II using aerial photographs.

V992 *They Also Flew: The Enlisted Pilot Legacy*

Major Lee Arbon, USAF (Ret)

Major Arbon's military career is long and impressive, having served in a variety of flying, administrative, and command positions, both as a non-commissioned officer (NCO) and as an officer. He discusses the legacy of enlisted pilots and provides an account of the men who worked hard to succeed in a profession that ignored their existence and who faced a deep, entrenched prejudice.

V994 *Capturing History: The Best of Aviation Art*

Mr. James Dietz

Mr. William S. Phillips

Mr. Dietz and Mr. Phillips have both held a life long love of aviation and both have turned that love into successful aviation art careers. In this "behind the scenes" look, Dietz and Phillips take viewers on an artistic journey from conception to completion. As they share their research process, their many travels, and the many people they have encountered, the magic of their work is further evoked.

V002 *Heroes Speak: A History of Air Warfare by Those Who Served*
Colonel Walter J. Boyne, USAF (Ret)
Mr. Phillip Handleman

Authors of *Brassey's Air Combat Reader: Historic Feats and Aviation Legends*, Colonel Boyne and Mr. Handleman present some of the highlights from this anthology of the century's best writing on air combat.

V004 *Charles E. Taylor: The Wright Brothers' Mechanician*
Mr. Howard R. DuFour / Mr. Peter J. Unitt

Many assume that Orville and Wilbur Wright built the engine that powered their Wright B Flyer, the world's first practical airplane. Mr. DuFour and Mr. Unitt correct this error in perception and bring to light the life and work of Charles Taylor, the man truly responsible for powering that first flight.

V005 *WAFS: Women's Auxiliary Ferrying Squadron*
Ms. Nancy Batson Crews

By the summer of 1942, the Army Air Force was short of pilots and in desperate need of qualified flyers, especially for home front duties. In September of 1942, the Women's Auxiliary Ferrying Squadron (WAFS) was organized to assist with transporting aircraft from factory to airfield. Though they served with courage and distinction, it wasn't until 1979 that these women received official government recognition and veteran status. Ms. Crews discusses her experiences as a pilot with the WAFS.

V006 *Up, Up, and Away*
Colonel Joseph Kittinger, Jr., USAF (Ret)

As one of the pioneers of the early space program, Colonel Kittinger relates his involvement with the Air Force's various high altitude balloon projects. His career is full of record setting feats: highest ascent in a balloon, highest parachute jump, longest freefall, and fastest speed by a human falling through the atmosphere.

V007 *Traveling to Space: Then and Now*
Lieutenant General Thomas P. Stafford, USAF (Ret)

Before becoming commander of the Air Force Flight Test Center at Edwards Air Force Base, General Stafford was himself a fighter pilot, a test pilot, and eventually an astronaut. As part of the Gemini and Apollo projects, he made several space flights and was the commander of the Apollo-Soyez Test Project mission from July 15-24, 1975. Stafford offers a unique personal perspective on the space program from the vantage point of both astronaut and program manager.

V015 *Into the Storm*

Major Warren Madden, USAF

Hurricane hunting is the subject of Major Madden's lecture. After earning degrees at MIT, Penn State, and Wright State University, Madden entered the Air Force and is an Aerial Reconnaissance Weather Officer, currently serving with the famed Hurricane Hunters of the Air Force Reserve. Madden works closely with the National Hurricane Center and regularly flies storm reconnaissance flights to gather weather data.

V023 *2001: A Space Station Odyssey*

Dr. Thomas Jones

Dr. Jones focuses on his crew's STS-98 mission to the International Space Station (ISS) where Atlantis delivered the U.S. Laboratory Module, Destiny, to the station. He presents his personal impressions of space flight and space walking, and discusses our prospects for future human expeditions beyond Earth's orbit.

V027 *Angel is Airborne*

Brigadier General James Cross, USAF (Ret)

CMSgt. Paul Glynn, USAF (Ret)

General Cross was the command pilot of the presidential aircraft during the Johnson administration, with the additional duty as President Johnson's military assistant and aide. CMSgt. Glynn served aboard Air Force One for five years and three months, and was a military personal aide to President Johnson.

V031 *The Race for the First Flight: Langley and the Wright Brothers*

Dr. John D. Anderson

The success of the Wright brothers in their design and the actual flying of the first successful airplane is well known. However, what is not well known is that Samuel Langley, Third Secretary of the Smithsonian Institution, was also seriously building and testing a flying machine at the same time. Dr. Anderson's presentation covers the exciting history and technology associated with this race for the first flight.

V032 *The Iran Rescue Mission*

Colonel James H. Kyle, USAF (Ret)

Colonel Kyle discusses the failed April 1980 mission to rescue hostages held at the U.S. Embassy in Iran. Kyle addresses the questions that have been nagging Americans regarding that 1980 event, such as: What actually happened? What went wrong? Could the rescue mission have really succeeded?

V037 *The Wright Brothers and the Birth of Aviation*

Mr. Robert Petersen

Mr. Petersen's presentation focuses on the four units of Dayton Aviation Heritage National Historical Park. Petersen traces the story of the Wright brothers through some of the remaining places associated with the development of practical flight in Dayton. In addition, the presentation speaks to the significance of the work begun here in transforming the entire world.

**V042 *It's the Influence of Air Power—
Not the Decisiveness—That Counts***

Colonel Walter J. Boyne, USAF (Ret)

Colonel Boyne discusses the amazing influence that air power has on not only warfare, but economics, politics and social revolution. Boyne indicates that most books on air power argue whether or not it is 'decisive,' but his current book concentrates on the aforementioned influences.

V044 *Hell-Rider to King of the Air: Glenn Curtiss' Life of Innovation*

Mr. Kirk W. House

Mr. House covers Glenn Curtiss' early domination of American aeronautics, almost from the moment he entered that field with his partner, Alexander Graham Bell. House is a widely-known historian of early aviation, and he tells many incredible stories of Curtiss as an inventor, daredevil and entrepreneur. He also discusses how this quiet, complex man parleyed a bike shop and an eighth grade education into a cutting-edge giant.

V045 *The Evolution of Tradecraft*

Mr. H. Keith Melton

Mr. Melton discusses several different topics related to the intelligence community, including the evolution of 'tradecraft.' His lecture details the development of espionage and the supporting spy devices and equipment, up to and including World War II. Melton is a renowned intelligence historian and a specialist in clandestine and counter-terrorism technology.

**V048 *Space Flights: How They Began in the 1920s
at McCook Field, Dayton, Ohio***

Ms. Sally Macready Wallace

As the chief test pilot for the United States Air Service during the 1920s at McCook Field, Lieutenant John A. Macready flew his Lepere Lusac 11 to altitudes never before achieved by man. Ms. Sally Macready Wallace discusses her father's daring, high-altitude flights in his open cockpit bi-plane, and she discusses many of the unforeseen obstacles.

V153 *Recollections of a Pioneer*

Mr. Sergei I. Sikorsky

Mr. Sikorsky reviews some of the legends of aviation, covers early attempts to fly and describes the birth of "heavier than air" powered flight. He also conveys the story of his father, aviation pioneer Igor Sikorsky, who is credited with the invention of the world's first multi-motored aircraft, his record-breaking Sikorsky "Clipper Ships" and the development of the helicopter.

V160 *American Helicopters in Combat*

Mr. Robert F. Dorr

Mr. Dorr discusses the incredible history of American helicopter pilots in combat. His presentation covers World War II and the Korean War, as well as operations in Vietnam, the Persian Gulf and the Balkans. Mr. Dorr is a retired senior American diplomat and has written sixty books, hundreds of newspaper articles and literally thousands of magazine articles regarding major military issues and international affairs.

V173 *History of the LC-130 in Polar Operations*

Colonel Marion "Graham" Pritchard, Jr., USAF (Ret)

Colonel Pritchard, a former commander of the 109th Airlift Wing of the New York Air National Guard, discusses his experiences as mission commander during the South Pole rescue of Dr. Jerri Neilsen. He talks to the need to develop a ski-equipped C-130 to build the Greenland Ice Cap DEW line stations, and discusses the evolution of the aircraft. Pritchard concluded his military flying career as a command pilot with over 9,000 hours.

V176 *Arabs and the Middle East*

Dr. David S. Sorenson

Dr. Sorenson, currently professor of national security studies at the Air War College, discusses the political climate in the Middle East and the implications for national security. He has authored books, articles and book chapters relating to Middle East politics and national security affairs, and has participated in interviews with The Associated Press, *USA Today*, *The Washington Post* and *Air Force Magazine*.

V183 *Billy Mitchell's Air War: Practice, Promise and Controversy*

Dr. Michael L. Grumelli

Dr. Grumelli focuses on Billy Mitchell, arguably America's premier airpower advocate and theorist. Mitchell believed that airpower, controlled in a centralized manner and aimed at vital centers of an enemy, could overcome that enemy without first defeating their army and navy. Dr. Grumelli's key interest as an educator and researcher is in the intellectual foundation and formation of "airminded" thought (his discussion theme).

V193 *Life at the International Space Station*

Colonel Gregory H. Johnson, USAF

Colonel Johnson, NASA astronaut and Air Force colonel, discusses his time as the pilot of STS-123 Endeavor from March 11-26, 2008. It was the 25th Shuttle/Station assembly mission, and was accomplished in approximately sixteen days and 250 orbits around the Earth. He was assigned to NASA's Space Shuttle Branch in 2001, where he held different positions to support earlier STS crews and to develop various plans, procedures and contingency scenarios.

V203 *America's Women Military Aviators: From WASP, to Thunderbirds, to the Future*

Major Nicole Malachowski, USAF

Major Malachowski, the (historic) first female pilot on any U.S. jet demonstration team, discusses the role of women military aviators, and she also delves into her own, incredible career. She served as a mission-ready F-15E fighter pilot, holding positions as both flight commander and instructor pilot, has flown homeland defense missions and has acquired over 185 hours of combat time. Major Malachowski was assigned as a demonstration pilot, Thunderbird No. 3/Right Wing, with the Air Force Air Demonstration Squadron, and has performed in front of millions of spectators in 140 air shows across America and in seven foreign countries.

V220 *Recalling the MISTY Years*

Lieutenant Colonel Dick Rutan, USAF (Ret)

Lieutenant Colonel Rutan discusses his incredible, history-making exploits, from the Voyager's non-stop flight around the world in 1986 to his record-setting flight of the EZ-Rocket in 2005. Rutan is the director of the East Kern Airport District (EKAD) and with the successes of his brother Burt Rutan's SpaceShipOne, EKAD has attained the status of Spaceport. He is proud to be a governing member of the newly-emerging space tourism industry!

V232 *Six Months with a Critical Care Air Transport Team RN in Afghanistan*

Lieutenant Colonel Deborah "Lucy" Lehker

Lieutenant Colonel Lehker explains the objective of a Critical Care Air Transport Team (CCATT) to enhance overall patient care. She explains that the team concept allows for a more flexible, responsive employment, and provides more structured en-route care for critically-injured patients (wherever and whenever it is required). Lehker has served in the U. S. Air Force Reserve for over 15 years, having been activated four times since 9/11.

V234 *Air Force One – Zero Failure*

Colonel Mark W. Tillman, USAF (Ret)

Colonel Tillman served as pilot and commander of Air Force One from 2001-2009, having been chosen as our nation's 12th presidential pilot. He protected President Bush on 9/11 by keeping him out of harm's way and by connecting the flying Oval Office to America's first responders. Tillman also personally orchestrated and executed the covert operation of safely and successfully transporting our commander-in-chief into, and out of, Baghdad, the epicenter of terrorism. His planning and organizing, done in complete secrecy, made for a total surprise to the entire world.

V235 *The Secret World of Space Reconnaissance: Why the U. S. Air Force and the Central Intelligence Agency Established the Invisible National Reconnaissance Office, and How They Developed the Gambit and Hexagon Photoreconnaissance Satellites*

Dr. Robert A. McDonald and Dr. James D Outzen

Dr. McDonald and Dr. Outzen, two CIA officers assigned to the National Reconnaissance Office (NRO) discuss the secret world of space reconnaissance and the partnering of the U. S. Air Force with the previously highly-classified intelligence agency, the NRO. McDonald explains the role that the Air Force played in the creation and operation of the formerly-classified NRO. Outzen discusses the recently-declassified Gambit and Hexagon NRO satellite photoreconnaissance programs as case study exemplars of the overall partnership.

V236 *The Air Force in Space—and on the Moon: The Flights of Apollo 9 and Apollo 15*

Colonel David R. Scott, USAF (Ret)

Colonel Scott graduated near the top of his class at West Point in 1954, served as an Air Force fighter pilot until 1960, earned two graduate degrees at MIT in 1962, graduated from Air Force Experimental Test Pilot School in 1963 and from the Air Force Aerospace Research Pilot School in 1964—but he was just getting started! Scott was selected in the third group of NASA astronauts, and he flew three space missions. The first was in March 1966: Gemini VIII, the first docking in space; the second was in March 1969: Apollo 9, the first test flight of all spacecraft and flight operations for the Apollo lunar missions (except landing); the third was in July 1971: he was the commander for Apollo 15 (lunar landing mission).

Guest Lecture Series Titles

50th Anniversary Review of the US Air Force and its Origins
8th Air Force History: Writing It and Living It
2001: A Space Station Odyssey
A Rather Bizarre War: The Air Force Learns and Adapts in Korea
Accounting For America's Missing Heroes
Advanced Tactical Fighter and F-22 Experiences
Aircraft and Aces: The Fight for Air Superiority over Korea, 1950-1953
Air Force Combat Rescue in Afghanistan
Air Force Contributions to Aerospace Technology
Air Force in Space—and on the Moon: The Flights of Apollo 9 and Apollo 15, The
Air Force One—Zero Failure
Air Power in the Korean War: America's First Jet-Age War
Air Power in World War II
Air Role in SOG Covert Operations, The
Air War In and Around the Hanoi Area, The
Air War in China, The
Air War in Korea: A Chinese Perspective
Air War in North Vietnam, The
Allied Airmen of Buchenwald
All This Hell: U.S. Nurses Imprisoned by the Japanese
Alone, Unarmed and Unafraid: Unarmed Reconnaissance during the Vietnam Conflict
American Helicopters in Combat
American POW in Angola
American Raiders: The Race to Capture the Luftwaffe's Secrets
America's Women Military Aviators: From WASP, to Thunderbirds, to the Future
An Airman's Faith, Inside Saddam's Prisons
Angel is Airborne
Arabs and the Middle East
B-2s in Operation Allied Force: The Spirit of the Fight
B-17: A Legend in Its Time, The
B-29s in the Korean War
BAT 21
Bataan, the Death March and Captivity
Battle of Britain, The
Battle of Britain: Three Perspectives, The
Battle of Midway, The
Benjamin O. Davis, Jr.: American
Berlin and Back on Two Sticks of Gum
Billy Mitchell's Air War: Practice, Promise and Controversy in Early Military Aviation
Black Bats: CIA Spy Flights Over China from Taiwan, 1951-1969
Call Sign Raven: Fighting the Air War in Laos
Capturing History: The Best of Aviation Art
Challenges of the Next Generation Unmanned Aircraft System
Change in the Nature of War: The Desert Storm Air Campaign
Charles E. Taylor: The Wright Brothers' Mechanician
Cheating Death
Cold War Reconnaissance
Cold War Warrior

Combat Rescue in Vietnam, 1965—1975
Combat Search and Rescue in Desert Storm
Constant Peg
Covert Air Reconnaissance in Europe: USAFE Operations, 1946-1990
Desert Storm: F-117A Operations
Developing and Testing Aircraft: A Test Pilot's Point of View
Devil at My Heels
Doolittle Tokyo Raid, The
Early Wild Weasel Days: The Air Force's First Anti-SAM Efforts, The
Early Women Pilots in World War II in the Ferrying Division
Escape Factory: The Story of MIS-X, The
Escape from Laos
Ethics and Leadership in Tough Times
Every Day a Nightmare: American Pursuit Pilots in the Defense of Java, 1941-42
Evolution of Aerial and Spatial Reconnaissance, The
Evolution of Tradecraft, The
Evolution of US Military Aircraft Colors and Markings, The
F-117A, The
Fighter Pilot Remembers World War II, A
Fighter Pilot's Life, A
Finding Amelia
Flying Greek, The
Flight Testing Early Delta Wings and the Rocket Powered Me 163
Flight Testing the Russian MiG-15
Flying the Flying Wing
Flying Life, The
Flying the Luftwaffe's Fighters
Flying the U-2 and the SR-71
Fox Two
From Berlin to Hanoi
From Son Tay to the SS Mayaguez
From the MB-1 to the B-1: A History of Bombers
From Weasels to Raptors: A Test Pilot's Story
Getting Through Tough Times
Hanoi Remembered
Hell Hawks! : The War No One Told You About and the Heroes Who Helped America
Win It
Heroes Speak: A History of Air Warfare by Those Who Served
Hell-Rider to King of the Air: Glenn Curtiss' Life of Innovation
History of the Air Commandos, A
History of the X-15, A
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It's the Influence of Air Power, Not the Decisiveness, that Counts
Jet Race and the Second World War, The
Joy and Horror of Flight, The

Keys to the Wright Brothers' Success
Lessons for Airmen from the Kosovo and Afghanistan Experience
Lessons Learned on the Global War on Terror
Life at the International Space Station
Lockheed Skunk Works from 1954-1991, The
Looking Down the Throat of the Bear
Loving's Love
MacArthur's Pearl Harbor: The Destruction of American
Air Power in the Philippines, Dec. 8, 1941
Masters of the Air: America's Bomber Boys Who Fought the Air War
Against Nazi Germany
Matter of Honor, A
Man with the Tired Guardian Angel: My 33 Years
of Flying Fighters for Uncle Sam
Manned X-Planes: A History of Design, Development,
and Flight Testing
MiG-15s in the Korean War
Misty: A Top Secret Mission and a Book, 35 Years Later
My Enemy....My Friend
National Aero-Space Plane Program
Nevermore—The Story of the Raven FAC's and the Secret War in Laos
Night Strategic Bombing
No Guts, No Glory
Not A Good Day To Die—The Untold Story of Operation Anaconda
One Woman's Army
Operation Enduring Freedom: A Combat Controller's Story
Original Flying Tigers, The
Painting the Air Force
Peacemaker: B-36, The
Perceptions of Soviet Aviation
Perspectives of War
Predator Ops
Project Heart Throb
Race for the First Flight: Langley and the Wright Brothers
RAF, The
Ravens, The
Readying the Raptor for War: The Challenges of F/A-22 Flight Test
Recalling the MISTY Years
Recollections of a Pilot of Have Blue and Tacit Blue
Recollections of a Pioneer
Reflections on Heroism at Lima Site 85
Reflections on Operation Babylift
Rescue at A Shau, The
Rescue Under Fire— From Southeast Asia to Desert Storm
Return with Honor
RF-86 in the Cold War, Korea and After, The
Role of American Strategic Fighters
in the ETO during World War II, The
Rolling Thunder: A View from the Cockpit
Rolling Thunder to Linebacker

Secret World of Space Reconnaissance: Why the U. S. Air Force and the Central Intelligence Agency Established the Invisible National Reconnaissance Office, and How They Developed the Gambit and Hexagon Photoreconnaissance Satellites, The Six Months with a Critical Care Air Transport Team RN in Afghanistan
Sky Is My Office, The
Son Tay Raider-Pilot Looks Back
Space Flights: How They Began at McCook Field in Dayton
Storm Over Iraq: The Making of an Air Power Victory
Strategic Bombing during World War II
Take-Off at Pearl Harbor
Task Force Ranger: Courage Under Fire
Technical Breakthrough Airplanes, The
Ten Myths about the Early History of the U-2
The Day I Went Boom! A Tale of Combat, Suffering and Survival in the Middle East
They Also Flew: The Enlisted Pilot Legacy
Thumbs Up America: Americans at War
Tiger Tails by a Real Flying Tiger
Traveling to Space-Then and Now
To Fly and Fight
Tuskegee Airmen: Myths and Realities, The
Vietnam's F-105 Rolling Thunder: Its 2007 Meaning
WAFS: Women's Auxiliary Ferrying Squadron
Why Me? From Fighter Ace to POW
Women in the Military
Words and Wings
World War II Combat Action
Wright Brothers and the Birth of Aviation, The
Wright-Patterson Round Robin—46 Years in the Making, A
Unmanned Aircraft Systems—Their Contributions to the Nation's Air Arsenal
Unthinkable, The Unimaginable Happened: An F-117 was Shot Down in Combat, The
Up, Up, and Away
U.S. Cold War Air Losses: Investigation by the
U.S.-Russia Joint Commission on POW/MIAs
You Should Have Been There When It Was Rough

Guest Lecture Series Speakers

Aderhold, B/Gen. Harry C.
Alison, B/Gen. John
Anderson, Col. "Bud"
Anderson, Dr. John D.
Arbon, Maj. Lee
Aune, Col. Regina
Barnidge, M/Gen. Leroy, Jr.
Barthelemy, Dr. Robert
Bartsch, William H.
Bell, Dana

Berghah, Lt. Col. Brian
Bessette, Lt. Col. John
Bleil, Dr. Eugene
Blesse, M/Gen. Frederick C.
Boerner, Walter
Boesch, Oscar
Boyer, Lt. Col. K.D.
Boyne, Col. Walter J.
Broughton, Col. Jacksel M.
Brugioni, Dino A.
Burrows, William E.
Byers, John M. "Mike"
Cardenas, B/Gen. Robert
Castle, Dr. Timothy N.
Cherry, B/Gen. Dan
Clarke, Lt. Col. Colin A.
Collins, M/Gen. H.E.
Colon-Lopez, Chief MSgt. Ramon
Cooke, M/Gen. Gerry
Coonts, Steven P.
Coombs, Col. Christopher
Crane, Dr. Conrad C.
Crews, Nancy Batson
Cronauer, Adrian
Cross, B/Gen. James
Cunningham, Cdr. Randy "Duke"
Dana, William H.
Davis, L/Gen. Benjamin O., Jr.
Day, Col. Bud
Day, Col. George E.
Deatrick, Col. Eugene P.
Debellevue, Col. Charles
Del Toro, TSgt. Israel
Dengler, Lt. Dieter
Deptula, B/Gen. David
Dick, Air Vice-Marshal Ronald
Dietz, James
Dorr, Robert F.
Duehring, The Honorable Craig W.
DuFour, Howard R.
Dyson, Lt. Col. Ken
Earley, Charity Adams
Eberly, Col. David
Eubank, Taylor
Fisher, Col. Bernard
Fisk, CMSgt. Wayne L.
Fleming, Col. James P.
Gabreski, Col. Francis S. "Gabby"
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