



NavCom

AUGUST 2002

News and Information for the Gwinnett County Chapter of the Experimental Aircraft Association

What's in Your Oil? - The Science of Oil Analysis



Mark Smith

Have you ever wondered what was in your oil? Is it worth having your oil analyzed? And just what do those oil analysis reports really mean?

On August 3rd at 10:30 a.m., Mr. Mark Smith, Technical Administrator and Certified Lubrication Specialist for Skywatch in Norcross will be our guest speaker following our monthly Pancake Breakfast. The program will include an overview of oil analysis, how it works, what it does and what it does not do.

Skywatch provides spectrochemical and physical testing for the major aviation oil suppliers, such as Shell Oil, as well as end-users nationwide. Smith, both a Certified Lubrication Specialist and Oil Monitoring Analyst, became the first person in the United States and only the second person worldwide to gain all three STLE certifications.

A leader in oil analysis services and predictive maintenance since 1960, Analysts, Inc. serves all areas of manufacturing, power generation, mobile equipment, aviation and related industries through direct sales and private label programs.

Analysts is an independent analytical testing organization, operating five regional laboratories in the U.S. For more info, visit their web-site at www.analystsinc.com/



IMPORTANT SPECIAL NOTICE **CHANGE OF DATE & TIME** **FOR AUGUST MEETING**

Come to our Annual "Post Oshkosh Bash" on Saturday, August 10th

Continuing Chapter 690 tradition, our August meeting will be held on Saturday, August 10th. The chapter will provide the meat, beverages and tableware. Members and guests are asked to bring a side dish or dessert for 12 to share.

Members who have returned from their pilgrimage to AirVenture will share their photos and stories with the rest of us. Hangar Flying begins at 2:00 p.m. Food will be served at 5:30.

Friendship Flights for Fun will be conducted. Members with planes will be offering rides to non-owner chapter members. We hope to see you and your family there for flying, fun, food and fellowship! *Come early. Stay late.*

Should we call it AirExcellent **September 21, 2002?**

by Dave Haskell AirFair 2002 Chair

For the benefit of our newer members, the annual 690 AirFair is one of the chapter's opportunities for fund raising. Primarily though, it is our event of the year where the pilot and flying enthusiast community plays host and reinforces being a good neighbor. In this effort we are promoting Chapter 690 and the County airport since it is where we are located. Certainly we have been fortunate to have only sporadic complaints lodged against Lawrenceville airport activity in general. And we have not had to walk on rice paper to appease groups like PDK Watch. All-in-all, our relations with the public and the County Airport are good. So, we work together to make the day as much fun and as enjoyable as we can.

Historically, the public drove in on the grounds through the gate south of what was the County Maintenance building. Parking was in the area south of the Chapter hanger. . But, with the current taxiway construction project, a new approach to bring the public into the airport is necessary.

(Continued on Page 3)

Sun, High Temperatures, Cool Wet Water, Soap and Willing Volunteers Add Up to Most Successful Airplane Wash To Date

Photos by Chuck Miller



A group of willing volunteers do their thing at the annual airplane wash. The youngest crew member seemed to get as much water on the workers as on the planes - but no one was complaining!



Regardless of what this photo seems to show, Forrest Wilson did not wash both of his planes without assistance from other volunteers.

Scenes from 50th AirVenture at Wittman Field in Oshkosh

Photos from AirVenture web-site by Jim Koepnick, Dennis Biela, Dave Higdon, Phil Weston, Gigi Wagener



← Main entrance arch at AirVenture

"World's Busiest Tower" and Grounds at Wittman Field →



The crowd watching the daily airshow →



Gene Soucy's Showcat and Wingwalking act at airshow →



← North 40 Campgrounds



← An ultralight in flight at AirVenture

To see these and other photos of AirVenture 2000 visit the web-site photo galleries at www.airventure.org

The NavCom

The NavCom is the official monthly newsletter of EAA Chapter 690, serving its members and other persons interested in the advancement of Aviation.

Original articles, art and photos are invited and welcome. Submit articles in Word 97 or ASCII format and pictures in jpeg, tif or bitmap format via e-mail to: lnor@akorn.net

Deadline for submissions is the 15th of each month, unless otherwise announced. **The deadline for the Sept. 2002 NavCom is Friday, Aug. 16th.**

Permission is hereby granted for the reproduction of NavCom articles by other EAA Chapters, provided that proper credit is given to the author and to the NavCom.

Thanks to 690's Postmaster Barney Barnes and his merry band who fold, staple & mutilate the NavCom for distribution and mailing.

President:

Duane Huff 770-921-4423
duanehuff@yahoo.com

Vice President:

Debi Huffman 770-483-0245
debi.huffman@fernbank.edu

Secretary:

Lou Friedman 770-923-3168
lfriedman2001@attbi.com

Treasurer:

Mike Stewart 770-277-9686
mstewartga@yahoo.com

Chmn. of BOD:

Mike Stewart (See Above)

Chmn. of Trustees:

Frank Wilcox 770-978-2403
frankwil@mindspring.com

Editor: Lnor Levine

770-394-5466
lnor@akorn.net

Publishers: Alan Langford

770-339-3674 and
Dr. Debi Huffman (See Above)

Staff Reporter:

Margaret Wilcox 770-978-2403

EAA Hangar: 770-339-0804

The President's Pitch

By Duane Huff



Over seventy people attended the July meeting to hear Sam Lyons' presentation on how he works magic with his painting tools to create aircraft and other paintings. He also displayed a couple of paintings and had slide pictures of additional paintings. An excellent program was completed with a generous gift from Sam of a signed print of his painting "Checking the Mail" to each one present. Thanks again to Debi Huffman for arranging for another great program.

July 22, 2002 was a very windy day but the wind was right down runway 7. The Chief had difficulty getting to the runway in the crosswind, so I could only fly two Young Eagles. A total of thirty-four were given their Y.E. flights and awarded their certificates. Forrest Wilson, Larry Bishop, Mike Stewart, Bob Goodman and Ted Rabenko were the other pilots. Thanks to all who worked as ground support on that day. Also, when you fly individual Y.E.s, please give me the forms to send to Oshkosh, or a duplicate for our records.

As an extension of EAA Chapter 690

activities, I would like to report on the Airport Visits that I arrange and conduct. Groups are directed to me through the Airport Office. Safety around airplanes is always stressed first. During the visit our plywood simulator is used to teach the parts of an airplane and to give the children an opportunity to work the stick and rudder pedals to see how the control surfaces move. The control movements are also demonstrated on a real airplane. The four forces acting on an airplane in flight are discussed. Differences in airplane configurations and construction are also pointed out. This year 164 students and 53 adults have made this visit to LZU. Some of the groups have used the EAA building to have their lunch. When the groups are large, Greg Jannakos, Rienhart Kuntz, Frank Wilcox and others have assisted with the visits.

Hope all that attended AirVenture 2002 have had a safe trip and a great time. Remember no regular meeting in August and the Post Oshkosh Bash on August 10th., where we will have flying, food, fun, and fellowship.

Go Braves!!!

A Few Web-Sites of Special Interest to Pilots and Aviation Enthusiasts

The Internet is full of web-sites with information about anything and everything in which you might have an interest - and aviation is no exception. In addition to our chapter web-site www.eaa690.org and the national web-site www.eaa.org with their links, there are many others worth exploring. Here are a few to get you started. Happy Surfing!

www.fun-places-to-fly.com/
www.lyonsstudio.com/
www.kitplanes.com/
www.aopa.org/
www.raytheonaircraft.com/
www.avweb.com/
www.pilotsweb.com/
www.SportFlyer.com/
www.southern-aviator.com/
www.georgiawings.com/
www.aircraftspruce.com/

www.justplanehardware.com/
www.ninety-nines.org/welcome.html
www.landings.com/aviation.html
www.vansaircraft.com/
www.nasm.si.edu/
www.mainstream.net/rhinebeck.html
www.airsalvage.com/
www.faa.gov/fsdo/atf/
www.weather.unisys.com/
<http://adds.aviationweather.noaa.gov/>

The American Air Museum in Britain

by Frank and Margaret Wilcox



In last month's NavCom we described our visit to the Duxford Imperial Air Museum near Cambridge, England, but we left out the story of the American Air Museum in Britain, the "jewel in the crown" on that famous aerodrome. Housed in an award winning building designed and built in the 90s, the museum stands as a tribute to the 500,000 American airmen who served in Britain during WWII and a memorial to the 30,000 who made the supreme sacrifice.

Set among the ancient WWI hangars is this modern curved roof, glass faced building designed especially to house their impressive collection of American aircraft from a WWI Spad XIII, painted like the one flown by Ace Eddie Richenbacher, to modern spy planes, the U-2 and the SR-71 Blackbird used in the Cold War, and the F-III and A-10 Thunderbolt II tank-buster, both used in the Gulf War. Many of the aircraft hang from the ceiling in the attitude of flight.

When we visited the museum in May we found it to be partially dismantled for a major renovation project. They needed to reconfigure the display of the aircraft to include the SR-71 Blackbird and the huge B-24 Liberator bomber which were recent acquisitions. In order to do this, the glass front had to be carefully removed and many of the aircraft moved outside. While the main floor exhibition area was out of bounds to visitors, we could walk around the inside balcony and view the aircraft still in place.

We found the B-24 in the restoration building where they were completing the major renovation and restoration. This aircraft had been found in Texas, dismantled and shipped to England in a C-5. It was scheduled to move into the museum on June 21st. It appeared to us that there was a lot of work to be done in less than a month but we were assured that their engineers and many volunteers would make it happen. We also found the two engine B-25 bomber in the restoration building being fitted with the necessary equipment so it can hang from the ceiling. All of this work is to be completed for the Rededication Ceremony to be held the last week of September, the 60th anniversary of the arrival of USAAF personnel in Great Britain during WWII.

When the Air Museum was first built it was partially financed by donations from sixty thousand American citizens. Thanks to a gift from our daughter Ann, Frank became one of the charter members and supporters. When he presented his membership card, we received free admission to the museum and were also allowed into

the Founders and Friends Lounge. There we found books listing the names of these thousands of donors from all over the U.S. It was a good feeling to know that we had a small part in preserving this piece of history for generations yet to come.

In addition to the aircraft mentioned above the following can be found in the museum: a Stearman which was an early trainer; a B-17 Flying Fortress and a B-29 Superfortress; the P-47 Thunderbolt and P-51 Mustang fighters; a C-47 Skytrain, important as a troop carrier; a Navy TBF Avenger carrier based bomber. Post WWII aircraft are a T-33, F-86 Sabre, F100 Super Sabre, an F-4 Phantom and the center piece of the new configuration, a B-29 Stratofortress.

To help us understand how Americans are remembered and revered in east England, here is a quote from a small publication called *Wings* -

"Exactly 60 years ago, the first American servicemen of the USAAF arrived in the East of England. They came with work to do, to support the Allies at the height of the war years, but they did far more than that; they made a huge impression on the lives of the local folk, bringing their strange customs and expressions, extravagant gifts, and their open exuberant sense of fun. Their ways were different from anything the locals had experienced. In spite of the differences in cultures, many long lasting friendships were made.

"The effect of the American presence 60 years ago lives on. There's a great affinity between the people of the East of England and friends in the United States. Groups of veterans and aviation enthusiasts keep up the strong links between people on both sides of the Atlantic."

Ed. Note: See photo and more info on page 8.

Planning Ahead...

Mark your calendars now - you won't want to miss the program after the September 7th "First Saturday" Pancake Breakfast. Bob Goodman will present an introduction to formation flying. If you have been around Briscoe Field this Spring and Summer you may have seen the RVs practicing formation flying under Bob's expert tutelage. He also helped to organize the Memorial Day Parade fly-by by several of our chapter members. Plan to be there for what promises to be a most interesting program.

Minutes of July 12, 2002 Meeting

Respectfully Submitted by Lou Friedman, Secretary

The July meeting was held on Friday, July 12, 2002. After the Pledge of Allegiance was recited by the membership, Steve Ashby explained the history of how the Chapter received the flag. The widow of a veteran, who paid the ultimate price for his country, gave the flag to the Scout troop to which Steve and his sons belonged. When the troop disbanded, Steve gave it to our Chapter where it now proudly hangs.

After membership introductions, the minutes were accepted as printed in the NavCom. The treasurer's report shows us with approximately \$-----. No Friday night general meeting will be held in August. The Post Oshkosh Bash will be Saturday, August 10, 2002. The three recipients of the Chapter's Air Academy Scholarships will report on their experiences in September. A joint meeting of the Board of Directors and Board of Trustees was held July 9, 2002. Steve Ashby is working on getting the Chapter 501(C)3 status and federal tax identification number. Mike North gave his report on food, including the Pancake Breakfast. The July Fly-Out was cancelled due to weather. For 1 to 2 hour volunteer job descriptions, and to sign up, check the Chapter web-site for information on the annual Fall Air Fair scheduled for Saturday, September 21, 2002. The Hangar Dance, Saturday, October 26, 2002, will have the same venue as last year. Bob Zahner will bring the food. The dance will be held in Hangar # 8, on the south side of Briscoe Field. The 19 piece Atlanta Blue Notes will play. Ticket prices are: \$20 – single and \$35 – couple in advance; \$25 – Single and \$45 – couple at the door. Dance lessons may be available.

Hotdogs and hamburgers will be served at the Post

Oshkosh Bash, cooked by member master chefs. Everyone should bring a side dish or dessert for 12 to share. Friendship Flights start at 2:00 p.m. and dinner at 5:30. Bring your pictures, videos and stories from Oshkosh!

The next project visit will be at Lou Friedman's home. On June 22, 2002, thirty-four Young Eagles were flown. A request was made to the chapter to help fly kids from Sci-Trek on August 3, 2002, at Fulton County Airport, at 9:00 a.m.

The Airplane Wash was a great success. Eleven airplanes were washed by four teams. Only three people had to be turned away. It was a hot day, but enjoyed by all. On August 3, 2002, Shell Oil from Norcross, will present a program on oil analysis and will discuss whether additives are necessary. Lee Craymer, membership chairman, announced we have 201 paid members.

New Business: Terry Adams resigned from the Board of Directors. The nominating committee nominated Chris Paul, Mike North, and Larry Fussel, as candidates to be voted on by the general membership to fill the vacancy. An election was held and Mike North was elected as the new member of the board.

There is a working refrigerator in the chapter's hanger looking for a new home. Those attending Oshkosh who wish to meet up with others from the chapter can meet at Sam Lyons' booth in building B in the corner each day at 4:30. He will also have a message center available. The meeting was adjourned and Sam Lyons, acclaimed aviation artist, was the featured speaker.

Should We Call It AirExcellent? (Continued from Page 1)

A re-con team was launched to make aerial photos of the area behind the hangars. Though no set plan is proposed at this writing, a plan will be presented to the County in request to have convenient public parking. Airport security is also a topic that will always be on the list. We will need three pairs of volunteers at the gate as a presence in shifts of two hours between 8AM and 2PM. Wearing badges like mine are effective – but optional.

Right now I am in need of a volunteer to make contact with an already made list of people and groups (some commercial, some non-profit) who have attended our AirFair in the past. So, invitations need to go out to book some of these for Sept 21st.

Though the job descriptions I did for our web-site includes a description of aircraft judging, I have decided that logistics to make that happen are too difficult because planes come and go. It's not like Sun 'N Fun where aircraft land and are "locked" where they are static for days. We have aircraft that come in for breakfast and go on to other places, so judging for best in class, etc., is not practical.

Invitations have been sent to War Bird 17 Chapter to attend and to another aircraft I can't divulge at this time which is a classic with a national reputation. Also, invitations have been extended to Atlanta Biker.com for the family motorcycle groups and to "eEvolution Motors" who sell the line of vehicles from Corbin – both electric and V-Twin motorcycle engine powered. (Check out CorbinMotors.com)

If the weather is good we can expect to have a banner day. And I ask you to please go to the web-site or see me to volunteer in some capacity. The sooner you sign up the better we can plan and manage resources. To experience a banner day for the Chapter, can we call it AirExcellent 2002?



Enthusiastic Audience Enjoys Presentation by Renowned Atlanta Area Aviation Artist

By Margaret Wilcox

As advertised in the last NavCom, the chapter was privileged to have renowned Aviation Artist Sam Lyons speak at the July meeting. Having shown his art work at past Chapter 690 AirFairs and other events, many of the members know Sam and welcomed him warmly. He spoke of our close friendship over the years.

Through a prepared slide show he presented many of his famous paintings and how they are developed from idea to completion. He starts with a collection of photos of the aircraft to be included, then develops sketches of the craft in the attitude in which they will be seen and arranges them on the mat. The appropriate background, buildings and sometimes other aircraft are added later as are the many fine details. He uses acrylic paints using both brush and air brush techniques. In almost all of Sam Lyon's paintings he adds - somewhere - a likeness of his own antique pick-up truck. It may be very small or just a shadow, but it is there somewhere, so it is fun to try to find the truck.

Some of his paintings are commissioned by individuals or companies who have a specific idea for the painting which will include their aircraft and selected background. Sam takes their ideas and provides sketches for their approval. A painting may take up to 2 years in planning with the average execution taking 2 months. He may have a dozen or more paintings in process at any one time.

Sam makes limited edition prints of his painting which he then sells. The first 30 prints are called artist's proofs and are of a slightly higher quality than the follow-up prints which may number up to 500 or more. After these are sold there are no more made. Some of his early paintings which are no longer available are now selling as collector's items and bringing substantially higher prices than the original prints.

Sam described the intense preparations he must make to get ready for a show such as the one he has each year at Oshkosh, followed by the demanding schedule of the show and the many contacts he makes with buyers.

After the presentation and question time, Sam gave us signed copies of his print "Checking the Mail." This picture won an award at Oshkosh and will be on display there at the Museum this year along with another recent new creation called "Anticipation."

Chapter members were pleased to meet Sam's fiancée, Mindy who will become his wife in November. Many of us know of the terrible aircraft accident five years ago when his former wife, Vicky, lost her life and Sam was severely injured. We congratulate him on his determined recovery and the promise of future happiness.

July '02 Board of Director's Meeting Minutes

Submitted by Lou Friedman, Secretary

The meeting was called to order on July 9, 2002, at 7:45 by Duane Huff, as Mike Stewart was out of town. According to the By Laws, the board of directors needs to select a nominating committee to fill the vacancy created by Terry Adam's resignation. Nominating committee shall consist of Lnor Levine, Duane Huff, and Forrest Wilson

Mike Stewart and Duane Huff met with Steven Ashby regarding the 501C3 and tax Id number and the process is under way.

An air compressor has been delivered for the tool room. It still needs to be bolted down. A report was read from Frank Wilcox. There is a working refrigerator that has been offered to the membership or it can be donated to Goodwill. There are gates and cabinets available as well.

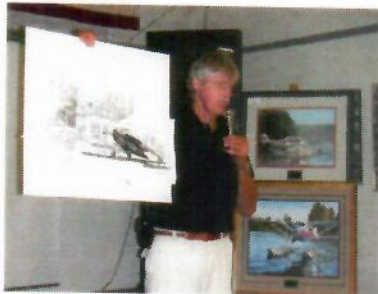
There is a problem with the lighting in the hangar that will be addressed and repaired before the general meeting on Friday.

Lou Friedman and Scott Solberg will provide grills for the post Oshkosh bash. Scott Solberg will provide a truck and Joel Levine and Lou Friedman will provide cooking skills. Bob Zahner is organizing a trip to Patriot's Point for a Fly Out. Lnor will talk with Dave Haskell about posters for Air Fair and to Dave Ostegaard for the Hangar Dance. Twelve Young Eagles are scheduled for flights on July 20, 2002.

Duct tape is like the force; it has a light side and a dark side, and it holds the universe together.

Another Winning Program - Sam Lyons Presentation at July Meeting

Photos by Alan Langford



Sam Lyons shows a board of an early stage for a planned painting. Two of Sam's completed paintings are on display in the background. ←

Chapter President Duane Huff thanks Sam and his fiancée Mindy for joining us. They plan to marry in November. →



Sam signs copies of his print "Checking the Mail" that he generously gave to the attending members. →



Please see article on Page 6.



Duane presents a new Chapter 690 mug to Sam as a token of our appreciation for his presentation. ←

Scenes Around Briscoe Field



← Photographers Chuck and Jeanne Miller said that they spotted this "classic picture of a yellow plane" - they did not say it was a "picture of a classic yellow plane." And this was at the beginning of a still on-going annual for Joel Levine and Jim Garner's mouse.

Photographer Mike Stewart posted this shot on the Chapter web-site. In case you missed it, Mike says, "Lest anyone think that our fearless leader has few skills. Well I found another one. Duane can, methodically and with great precision, stomp the trash! Like a 1930's human compactor. I caught Duane trying to get all the pancake breakfast trash in one dumpster. Mission accomplished." →



New Book Available for Young People with an Aviation Interest

NASA, FLYING magazine's Lane Wallace and EAA have teamed up to publish the book Wild Blue Wonders: Exploring the Magic of Flight. Wild Blue Wonders explores the dynamics of flight and aircraft design, prepares the reader to begin creating original designs, and provides information about pilots and different types of planes. Presented in a user-friendly way, this aviation book would make a great gift for any young person interested in aviation. It is priced at \$19.95 and is available through the EAA at (800-843-3612) or www.eaa.org.

NavCom

Newsletter of EAA Chap. 690

Editor: Lnor Levine
1340 Nerine Circle
Dunwoody, GA 30338

Monthly Pancake Breakfast
EAA Chapter 690
Lawrenceville Airport
8:00 to 10:30 AM



first Saturday

Free Programs
Start at 10:30

- **Sept. 7** – Intro to Formation Flying -
Presented by Bob Goodman &
Mike Stewart
- **Sept. 21** – Annual Fall Fly-In
- **October 5** – Introduction to Angel Flight
- **November 2** – Flying Start Seminar
- **December 7** – Aircraft Painting

The NavCom is printed
on the Minolta CF2001
Color Printer/Copier

Thanks to Minolta Corporation

AUGUST MEETING -

Saturday, August 10, 2002 at
2:00PM - Supper at 5:30

Program – “Post Oshkosh Bash”
Friendship Flights throughout
afternoon. Please see details on
front cover.

Visit the EAA 690 Website at <http://www.eaa690.org>

690 Project Visit

By Scott Solberg. Photos by Wendy Solberg.

Lou and Sally Friedman were been kind enough to invite us on Tuesday, July 16th at 7 p.m. to see the progress made on the Kolb Mark III Classic. It is a great looking plane - and Lou's shop is pretty marvelous as well. Not many of us can have a lake view outside our shop!



Lou and Frank Wilcox engage in some animated conversation near the Kolbs' Rotax engine.

Attendance was good - and members prowled around to check on Lou's progress with his new project (ordered at Sun 'n' Fun).



The American Air Museum in Britain

A remarkable museum, exhibiting the largest collection of historic American combat aircraft outside the US, was opened by Her Majesty The Queen on Friday 1 August 1997.

The Museum has a novel superstructure, including a great domed concrete roof and a huge glass front, 295 ft wide.



Located at the Imperial War Museum, Duxford, near Cambridge, The American Air Museum in Britain is a tribute to the more than half a million American airmen who served from British bases during World War II.

A raised entrance line, level with the cockpit of the B-52 aircraft offers visitors a dramatic panoramic view of the whole collection.

The American Air Museum in Britain stands as a testimonial to Anglo-American cooperation and it's exhibits will include World War I (1914-18), World War II (1939-45), Vietnam, the Cold War and the Gulf War.

Please read about Frank and Margaret Wilcox's visit to this museum on page 4.