

2018 Officers

Area 505 (New Mexico)

President:

Robert Richter-Sand (Bob)
- 220-1250 , rrsand@aol.com

Vice President:

Dave Otero -328 6391
daoteronm@gmail.com

Secretary:

Todd Blue - 266-1491
tblue@ix.netcom.com

Treasurer:

Dan Horschel - 271-9407
dhorschel@outlook.com

Directors:

Lee Otto -559 901 5910
n326jl@gmail.com

Gwen Walcott - 506 4427
gsw2@ix.netcom.com

Will Taylor -256-0681
apdpilot@aol.com

Scott Speirer - 205-7742
sspeirer@yahoo.com

Randy Reimer- 792-1857
reimerre@gmail.com

Standing Committees

Membership:

Scott Speirer - 205-7742
sspeirer@yahoo.com

Publicity, and Promotions:

Joyce Woods -974-5305
chapter@eaa179.org

Newsletter:

Harley Wadsworth 453-6369
harleywads@comcast.net

LOEFI:

Robert Richter-Sand (Bob)
- 220-1250 , rrsand@aol.com

Web Master:

Joyce Woods -974-5305
chapter@eaa179.org

Young Eagles:

Todd Blue - 266-1491
tblue@ix.netcom.com

Scholarship Committee

Chairperson:

Dan Horschel - 250-9265
dhorschel@outlook.com

Storage Locker:

Randy Reimer- 792-1857
reimerre@gmail.com

Technical Counselors:

Dave Otero -328 6391
daoteronm@gmail.com
Emilio Verastegui-280 2421
n61lev@msn.com



Albuquerque, NM Chapter 179 Enchanter



April
2018

Visit Albuquerque EAA Chapter 179 Web Site: www.eaa179.org

Newsletters are at: <http://eaa179.org/newsletters/>

The Web Site for the LOEFI is: <http://www.loefi.com>

Upcoming Events & Chapter Meetings .

April 17, Tuesday, EAA Chapter 179 Meeting, eat at 5:30 PM, meeting at 6:00PM, Copper Canyon Café, 5455 Gibson SE. Guests and visitors are welcome.

Young Eagle Dates for 2018 at KAEG. May 5, Sept. 8, Nov. 3

LOEFI 2018: August 25, 2018

Chapter 179 meetings are on the third Tuesday each month, except in December when replaced by our Christmas Party.



*Poster for LOEFI
2018*

See page 7...

Inside This Issue

Upcoming Events & Chapter Meetings.....	1
From the Editor.....	2
IMC Club	2
Chapter 179 Meeting Minutes	3
Chapter 179 Scholarship Awards	4-6
LOEFI 2018 Poster.....	7
Pilot Bash 2018	8
STEM Expo	9
EAA Flying Start Program	10
ATC is Changing...and Changing.....	11-12
Mystic Bluffs	12
On-Going Events.....	13

From the Editor, Harley Wadsworth

The weather, whether we like it or not, is what it is. It is something we can't really control day to day. But we make the best of it if we want to be safe



and happy. Our weather has been very nice compared to other places..., as is usual. But I have never seen it so dry here. Scary Dry! And the winds today, as I write this, are forecast to be horrendous.

The snow pack in the mountains is almost gone already. If it were not for snow making equipment, we would not even have had a ski season in New Mexico. The Rio Grande River is a sandy beach for miles and miles. Thanks to the dams up stream, it still has water in it, for now.

They forecasted a dry winter. And now they are forecasting a wet monsoon season. They keep getting better at long range forecasting. Hope we get nice, beneficial, rain soon. Fly Safe and Happy!



Pano view of Red River Ski area on the last day of ski season 2018.

Find or Become a Tech Counselor and/or Flight Advisor:
(your EAA login is required to see this information)

<https://www.eaa.org/en/ea/ea-chapters/ea-chapter-resources/chapter-programs-and-activities>



<http://www.nmpilots.org/news.asp>

Other NM EAA Chapter Newsletters

EAA 691, the Green Chile Chapter: <http://eaa691.org> <http://www.facebook.com/eaa691>

EAA 555, Triple Nickel Chapter: <http://555.eaachapter.org/>

EAA 251, White Sands Chapter doesn't have a new newsletter.

IMC Club

WINGS SAFETY SEMINARS – Saturday April 21, 2018, Double Eagle II Airport

The April IMC Club meeting will start at 11:15 on April 21, in the Bay hangars behind the Bode FBO. Prior to the IMC Club meeting, starting at 0930, there will be a "Spring Mountain Flying Review" FAA WINGS Safety Seminar presented by Mark Coan, CFII of Santa Fe.

Spring Mountain Flying Review

A Review of the Key Elements that Pilots Need to Know for Flying Around and Over Mountainous Terrain.

Saturday, April 21, 2018 at 09:30 – 11:00AM

This seminar is designed for those who have previously completed a mountain flying course. It will reviews the key elements that pilots need to know for flying around and over mountainous terrain. The topics covered include mountain flying best practices, mountain weather, route planning (including using little-known Internet tools), performance and takeoff considerations, enroute considerations, survival considerations, and the use of technology. Sponsored by the New Mexico Pilots Association. For further details and to REGISTER for WINGS credit (not required), [click here](#).

IMC Club Meeting - Mastering the Art of Instrument Navigation

Scenario Based Discussion Focused on Building Instrument Flying Proficiency **Saturday, April 21, 2018 at 11:15 AM – 12:45**

EAA's IMC Club, provides organized "hangar flying" focused on building instrument flying knowledge and skills. The club promotes a safety culture through continued education and believes that we develop safety and proficiency through education and real life experience. Monthly meetings offer an opportunity to share in-flight experiences and valuable safety tips. You do not have to be an instrument rated pilot to attend. Membership in EAA and a local chapter is encouraged but not required. See www.eaa179.org/join-us/ Sponsored by EAA Chapter 179. For more info and to REGISTER for WINGS credit (not required): [click here](#).

Chapter 179 Meeting Minutes

MINUTES FOR: March 20, 2018

Call to Order: President Richter-Sand called the meeting to order at 0610.

Presidents Report: Bob Richter-Sand announced the Chapter 179 Board of directors meeting is at Copper Canyon 0600 on Thursday, March 29. Chapter members are welcome to attend.

Reminder that dues are welcome. Announced IMC club meeting, next April 29 at Bode.

Called for Board meeting next week to kick off LOEF planning at Copper Canyon.

Vice Presidents Report: Dave Otero: None

Secretaries Report: Todd Blue Request for approval of February minutes as printed. Approved.

Young Eagle Report: Todd Blue Due to wind, February event was cancelled.

Gave a short listing of the Chapter 179 Pilots who have flown over 100 YE since 1963 including: Robert Waters-439; CharlesSwanberg-316; Rick Richter-254; Dan Friedman-192; Art Woods-171; Ken Dominy-149; Richard Perry-109; Dion Lear-101; and Chris Grotbeck-100. Thanks to all who have flown Young Eagles.

Membership: Scott Speirer indicated number of dues renewed but needing more.

LOEFI: Bob thanked Bob Waters for the handbook. Indicated planning is started for next event.

Old Business: Scott indicated that we are to participate as helpers for the Boy Scouts but not as organizers due to EAA restrictions.

New Business: Plan to offer a scholarship for Eagles Program.

Meeting adjourned AT 6:30 Followed by a

video from the scholarship award recipients..

Repectfully submitted: Todd Blue



Dan Horschel presented Scholarship and Air Academy awards to our 2018 recipients at our March Chapter meeting.. See pages 4-6...



A great turnout at our Chapter 179 March meeting. Come and enjoy the fun.

EAA Chapter 179 Awards

2018 Aviation Scholarships and Air Academy Recipients

Aviation Scholarship

- › Madison Thompson
- › Kyle Usaik
- › Sam Baczewicz
- › Luke McKee

Air Academy Tuition

- › Alec Villarreal

› Current Scholarship Committee

- Eric Goldman
- Joyce Woods
- Bob Waters
- Will Taylor
- Randy Reimer
- Steve Rokicki
- Dan Horschel, Chair



Madison Thompson-Aviation Scholarship



I am honored to receive the **Jay Schmitt Memorial Scholarship**

- › Senior at SAMS Academy.
- › Thanks to the wonderful members of EAA Chapter 179, who contribute their time and energy to **outreach programs like the Young Eagles**, which started my adventure in aviation.
- › Madison began with Young Eagles, which started her adventure in aviation. Her first time "flying" an airplane was at age 14 with pilot Art Woods, who gave her the controls for a few minutes. Madison thanks **EAA's many other youth programs** that she was able to be a part of for igniting that spark in her. She is now on the brink of earning her private pilot license.
- › Since age 4, I have balanced schoolwork with the rigorous schedule of being a **competitive gymnast** and earned two State Championship titles along the way.
- › Now in my last year of high school, I compete in gymnastics, take dual credit classes at CNM, work at Dion's Pizza, and excel in the SAMS flight program.
- › I have my sights set on becoming a **commercial airline pilot** and plan on attending **Kansas State Polytechnic University** to accomplish this goal.
- › "I am so excited to move into the next phase of my life. And later when people ask me what I do for a living, I will be proud to say.....I Fly!"





Kyle Usiak-Aviation Scholarship



I am honored to be receiving the
Bob Hartman Memorial Scholarship.

- › Kyle is a second semester freshman at **Embry Riddle Aeronautical University** in Daytona Beach, Florida.
- › He is a forward on the Division Three **Ice Hockey Club** and helped my team achieve a 13-7 record and an East Florida Collegiate Hockey Conference Championship with 17 goals and 13 assists in 18 games. He is also a brother of the Phi Delta Theta Fraternity and currently hold the position of Merchandise Chair in the chapter.
- › Kyle started my flight training in Albuquerque, my senior year, at Bode Aviation where he believes he had the most important part of my flight training. Currently as a flight student at Embry-Riddle, he is working on his private pilot's license in the Aeronautical Science program and hold 55 hours in a Cessna 172.
- › Kyle attended the **Double Eagle Aviation Adventure**, sponsored by **EAA Chapter 179**, the summer after my freshman year of high school. The 25 hours he flew at Double Eagle and the **EAA** helped him gain experience and knowledge that helped me get ahead of the curve at Embry-Riddle. He was able to skip plenty of flight modules and am currently close to completing his last solo cross country before his check ride.
- › He plans on staying over the summer to complete his last calculus class and instrument rating. Kyle will minor in Air Traffic Control and will be eligible to attend the **FAA Academy** in Oklahoma City upon the completion of his courses. Yet, his main goal upon graduation is to become a corporate pilot and/or work for the airlines. Going to Embry Riddle is a privilege and honor in the aviation community.
- › "Thank you so much for your generous scholarship to help me achieve my goals."



Sam Baczekwicz-Aviation Scholarship



Thank you for your consideration.

- › My love for aviation has grown, especially this past year. Thanks to **EAA Chapter 179**, I was able to experience the amazing **AirVenture 2017!** Now it is no longer just a passion, but it's an obsession!
- › Since I'm home schooled, I cannot attend the **SAM'S Academy**. I hope to learn and achieve my goals in a different way.
- › I'm very mechanically inclined and that could also be a career in aviation. Or at least it will help me fix my own plane!
- › I am pursuing private lessons (Jon Daffer- an **EAA** member). All the funds I earn at my part-time job goes toward the lessons.
- › This Scholarship will allow me to continue training with Jon Daffer.
- › I am grateful for **EAA** in furthering my (hopeful) future career in aviation.





Luke McKee-Aviation Scholarship



I'm very excited to further my relationship with Chapter 179.

- > He is a country boy, raised in the east mountains, born in California. He grew up around dirt bikes and other motor vehicles. He had ducks, pigs and even had rabbits at one time. It was not an usual site to see him cleaning out the pens and grabbing the eggs, which **taught him a lot of responsibility**. Luke always enjoyed riding dirt bikes, quads, driving go carts, and even the lawn mower and of course always **helping his dad fix them all**.
- > When he first controlled a powerful amazing aircraft it sparked an instant love for aviation; amazed that a machine that weighs close to 900 pounds can graciously glide through the air with minimal effort. He definitely enjoys the views and the different perspective it gives him about the land in the area.
- > Luke is currently in his last semester of high school, at **Moriarty High School**. Straight A student, trying for a 4.0 this year.
- > He has pre-enrolled at **Eastern New Mexico University Roswell** campus for his **Aviation Maintenance Technology Certificate of Completion**. This schools course will teach him the necessary skills to work in the field, build his own aircraft and of course pass the tests to receive his FAA Airframe and Powerplant license.
- > "Thank you all for your time and your effort put in to help guide and fund the aviation community."



Alec Villarreal-Air Academy Recipient



I am so thankful that I have this opportunity to attend the EAA Oshkosh Air Academy!

- > Alec is a 16 year old Junior at **Menaul School** in Albuquerque, NM.
- > He has always been interested in airplanes and has long aspired to become a **commercial airplane pilot**.
- > He wants to learn more about potential careers in aviation and to pursue obtaining his pilot license. He does not come from an aviation family and so enjoys educating them about the world of aviation.
- > Although he has good past learning experiences, he feels that there are still **many more important things to learn about flying**, such as how to taxi or land, and he hopes that he can learn about these things at this academy.



Land of Enchantment Fly-In

August 25, 2018

Double Eagle II Airport

Albuquerque – KAEG Open 7am



EAA179.org

FREE ADMISSION & PARKING AIRCRAFT DISPLAYS YOUTH ACTIVITIES
Pancakes & Burgers Exhibit Hall Car Clubs Military Vehicles Aircraft Awards Pilot Seminars

THE BASH IS BACK !

AGAIN



WHEN: JUNE 2, 2018 5 P.M. TO 8 P.M.
WHERE: BODE AVIATION HANGAR

ALBUQUERQUE DOUBLE EAGLE 2 AIRPORT
KAEG

Free Admission For All

[Individuals under the age of 21 must be accompanied by an adult.]

**Donations accepted to help support NMAAA's
Aviation AEROSPACE STEM Expo***

Aviation Exhibits

Food Available

Flyins Welcome

Cash Bar for Beer, Wine and Soft Drinks

**Additional Information, Exhibitor Request and
Donations can be found at NMAAA.NET**



* The STEM Expo is an ongoing (6th Annual) educational event which promotes careers in aviation and aerospace. Our goal for this event is to bring mid and high school students out to see aircraft and aerospace displays while providing them an opportunity to talk with pilots, engineers and professionals working in the industry. To date we have enlightened over 19,000 New Mexicans about opportunities here in our great state.

ANNOUNCEMENT

The New Mexico Aviation Aerospace Association

In conjunction with

White Sands Regional Airport City of Alamogordo

Presents the Sixth Annual

NEW MEXICO AVIATION AEROSPACE STEM EXPO

This event focuses on Science, Technology, Engineering and Mathematics which informs students for careers in the Aviation Aerospace field. Students will get to meet with industry leaders, higher education representatives while getting to explore and interact with some of the most advanced Aviation and Aerospace equipment in the world!

**Thursday, September 27th, 2018 9 a.m. – 3 p.m.
White Sands Regional Airport, Alamogordo, NM**

For information or to register visit our website: www.nmaaa.net
Event Contact: President@NMAAA.net

Note: Participation is Limited and by Invitation only - So please register early.

This is a partial list of our MISSION PARTNERS:

City of Alamogordo	Ed's Flying Service	Exile Aviation	Eastern NM University
Embry-Riddle Aeronautical University	Aspen Avionics	DeVore Aviation Corp	Main Gate United
Civil Air Patrol	NM Senator Bill Burt	Congressman Steve Pearce	





EAA Flying Start Program



Free!!

Flying Start, 1306, 5/12/18 at the pilot's lounge at Moriarty Airport (west end of the airport)—9:00 am

If you've ever dreamed about learning to fly, attend this FREE informational meeting that will help you get off to a flying start.

- * Experience aviation first-hand with a FREE INTRODUCTORY FLIGHT
- * Get practical answers to your questions about learning to fly.
- * Discover what you can do with a pilot's certificate
- * Learn about your local EAA chapter, airport and flight training options
- * Meet other people who share and support your interest in aviation.

Hosted by:

EAA Chapter 1306

Date / Time:

05/12/2018 9:00 AM

Moriarty Pilot's Lounge (east end of the airport)

Name/Phone:

johnlorenz@geoflight.net

505-2205684

Presentation Topics

1. How do I start? (All it takes is a checkbook. First steps. Local options for lessons)
2. Ken Summers. 10-15 min
3. What are the options? (privileges, limitations, airplanes that fit)
4. Alan Lampson, ultralight. 5-10 minutes
5. Bruce Hansche, light sport. 5-10 minutes (Wes Elliott?)
6. Frank Graves, Private. 5-10 minutes
7. What does it take? (minimum hours, required tests, required skills)
8. Mike Roberts. 20 minutes
9. Building your own plane. Tony Sobol, Dan Palmer. 20 minutes

DONUT BREAK

10. Cost of flying. Why are lessons so expensive? How much will I spend?
11. John Lorenz. 20 minutes

Anecdotes: How I started (case histories)

12. Jerry Cleaver. 5 minutes
13. Tom Duffey. 5 minutes
14. Nelda Duffey. 5 minutes

Q&A

Free Open House

ATC is Changing...and Changing...

©2018RoseMarieKern

Some of you have heard about what is happening with Air Traffic Control if you attended one of my presentations at your monthly meetings. This article is a synopsis of that information.



When you look into the FAA's Crystal ball to see what they are working towards you find some very exciting changes. Technology jumps in all areas demand continuous revisions to the methods by which Air Traffic Control does its job. To determine the future of Air Traffic control you must define how the needs of the flying public are driving the development of technology related to each element of ATC.

FAA Statistics show that across the US we have 68,000 flights per day or 64 million flights a year. Everybody wants to get into the air so the technology which will allow this must be developed.

NextGen is the FAA's overall concept of how IFR traffic will be handled in the future. This comprehensive plan implements computer systems which can continuously absorb and analyze data, fitting all the pieces into a smooth running whole. It requires that aircraft upgrade their equipment and it requires both pilots and controllers to learn new procedures.

Step one of NextGen took place at the centers. All 20 ARTCC's across the continental US are online with the new ERAM computer system. Instead of 20 separate systems, a single integrated system allows all 20 Centers to share data. In addition to increasing air traffic flow and allowing controllers to handle more traffic in greater geographic areas, The En Route Automation Modernization, (ERAM) computer processes flight and radar data, enables communications, and generates data for controllers' screens. Aircraft nationwide are now flying more precise, satellite-based procedures than traditional ground-based procedures, bringing benefits to the flying public today.

Controllers can track up to 1,900 aircraft at a time — increased from 1,100 under the previous system., ERAM is the platform for new NextGen capabilities. Its dynamic interface means that flow control into and out of the busiest airports will begin at the moment the flight plan is filed, and it takes all elements from type of aircraft to weather conditions into consideration.

The addition of the Automatic Dependent Surveillance Broadcast (ADS-B) technology, will evolve ATC from a Radar based separation strategy to a satellite based one. Ground based Radar relies on slant angle which meant an aircraft's depicted position was not precise, which is why ATC must keep aircraft above the PCA at least 5 miles apart laterally. Satellite returns are far more accurate, allowing controllers to run higher levels of traffic safely.

Satellite technology also functions over the oceans where ground based radars could not. Over time as aircraft are equipped with the ADS-B systems, this will result in 100% coverage worldwide, eliminating the mystery and confusion which takes place when an airliner disappears over the Ocean!

As you can see, the reason that all aircraft operating in controlled airspace must be installed with ADS-B equipment by 2020, is because this system will not work if some aircraft are being "seen" on radar while others are seen using satellites — their positions would be off relative to each other.

The precision of the satellite based system allows greater efficiency with procedures being developed to allow tighter spacing in terminal areas. The FAA has developed new categories for wake turbulence separation based on wingspan, weight, and stability instead of just mainly on weight.

ICAO Flight Plans are not popular with GA pilots, but in order to plan the most efficient route for an aircraft, the computers need to know what kind of navigational equipment the aircraft contains. This is the primary reason that all flight plans in the U.S. are being switched over to the ICAO format. The ICAO equipment fields tell the ERAM computers which approaches an aircraft is capable of following.

Obviously the knowledge of how to make aircraft routing more efficient also affects Flow Control across the nation. The ERAM looks at the thousands of flight plans and how they should be sequenced. It can forecast potential congestion issues and bottlenecks. By electronically weaving all of this information together the system assists controllers to optimize the flow of traffic not just at one airport, but across the system.

Currently voice communications between ATC and pilots can be time consuming and labor intensive. Right now as planes are awaiting takeoff, tower con-

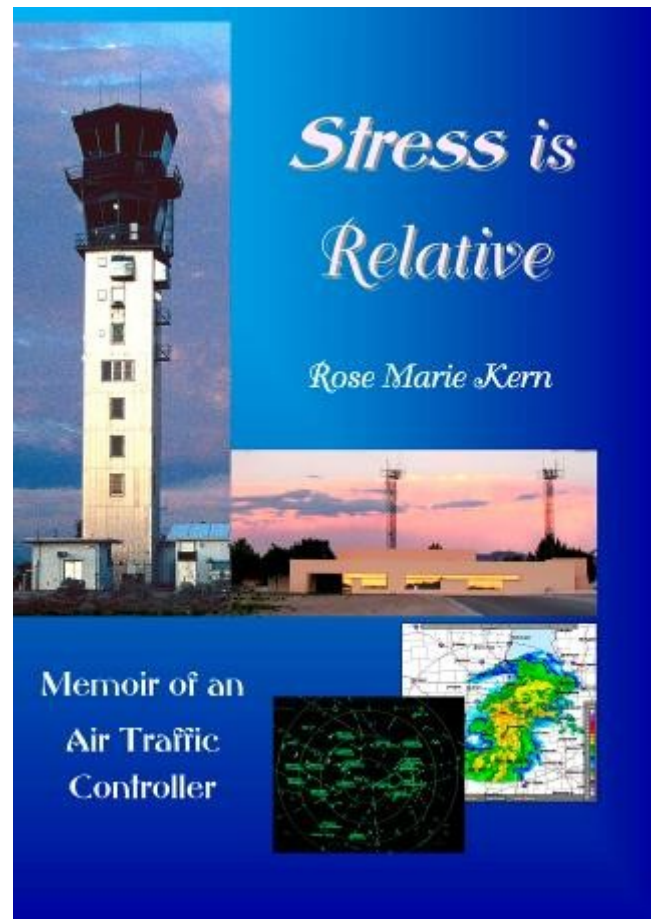
(Continued from page 11)

trollers use a two-way radio to issue new routes to the pilots to help them avoid bad weather. This process can take 30 minutes or more, depending on how many aircraft are in line for departure, and also has the potential for miscommunication known as “readback/hearback” error.

By contrast, flight crews on planes using the new Data Comm technology receive revised flight plans from the controllers via digital messages. The crews review the new clearances and accept the updated instructions with the push of a button. Data Comm is already in operation at 55 air traffic control towers (including Albuquerque).

If you want to read more about all of this, a document covering the future of the National Airspace System as a whole is available on the WWW.FAA.GOV website. In the search field type FUTURE OF THE NAS.

Rose Marie Kern worked in Air Traffic for over 34 years. Her new book, *Stress is Relative*, is her memoir of entering that world in the years after the famous strike of 1981, and how she, as a young divorced mother coped. For more information go to her website www.rosemariekern.com



Stress is Relative: The Memoir of an Air Traffic Controller follows my 34 years working in the field of Air Traffic beginning 2 years after the infamous strike where thousands were fired. I had no idea what I was getting into...but it turned out to be the best career decision I could ever have hoped for! It is available on Amazon or on my website – www.rosemariekern.com



<http://www.nmpilots.org/news.asp>



Mystic Bluffs Fly-In,

Saturday, August 18, 2018

See NMPA web site for details

On-Going Events

Pilots ABQ Lunch - Every Thursday, Formation Begins at 11:15 AM, at **Monroe's Restaurant** at 6501 Osuna Rd. NE (about four blocks East of San Mateo on the North side of Osuna).

Pilots Mid-Valley Lunch - Every Tuesday, Formation begins at 10:00 AM at Bob Henning's Hangar, 3884 Tammy Ct. SE, Los Lunas, NM, (Mid-Valley Airpark) Ph 865-0007, and continues until 11:50. Then onto Lunch at T J's New Mexican Restaurant at 235 Highway 314 SW, Los Lunas.

Las Cruces/El Paso EAA Chapter #555 Breakfast - Every Third Sunday of the Month, a huge \$6.00 breakfast. Look for the large EAA hangar located at the Las Cruces International Airport (LRU). All pilots and interested others are invited. Consider this for a 'fly out' or for other fun events!

Aviation Historical Society—First Thursday of the Month, Formation begins at 7:00 PM at Bear Canyon Community Center. Contact Harry M. Davidson, Ph (505) 256-7212

EAA 179's **IMC Club** is underway and meeting 9:30am the 3rd Saturday every month at AEG, led by Marc Coan. The sessions are really good. Those interested can go to the following link for the current link for location, information and registration:

<https://www.faasafety.gov/SPANS/events/EventList.aspx?statecd=NM>

**FAA Safety Team | Safer Skies Through
Education**

EAA Chapter 179

P.O. Box 3583

Albuquerque, NM 87190-3583