

Albuquerque, NM Chapter 179 Enchanter



January
2017

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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

16 January, Monday, EAA Chapter 179 Board Transition meeting, 6:00 PM at Monroe's Restaurant on Osuna (see page 2).

17 January, 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.

Chapter 179 meetings are on the third Tuesday each month



B-17 tour at KAEG see inside this issue

Photo by Frank Roush

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From the Editor, Harley Wadsworth

Happy New Year!

We were fortunate to have the B-17 here for annual and available for us to be the first Chapter to start the tour for 2017.

Our volunteers did another fantastic job hosting the event and lots of visitors were glad to see and fly in it.



Well..., I have been the newsletter editor now for the past 10 years. It is a fun activity that I enjoy, but I think the newsletter needs some new energy and talent. I encourage anyone interested in writing articles, doing computer graphics, journalism, design and etc., to get involved. I am not stepping aside but would if someone wanted to run with it. I do think it is a great opportunity to exercise one's talents in a fun way that lets one meet interesting people and learn about airplanes and people. I use MS Publisher to do the computer work and the activity of doing that could easily be shared electronically. Please let me know if you are interested in getting involved. I would be glad to help you get started. HW

Chapter 179 Board Transition Meeting

6pm January 16 at Monroe's Restaurant on Osuna (6501 Osuna Rd. NE)

Optional "no host" dinner prior (room reserved for 5:30 PM)

Want to get more involved? Any chapter members are invited to participate as the old and new boards meet to make handoffs and shape the direction for 2017. This annual meeting provides a good review of all our activities, volunteer needs, and thus is a good way to determine what might interest you. We encourage any members to attend!

Questions? Contact President, Bob Richter-Sand at rrsand@aol.com

From the President, Robert Richter Sand (Bob)

Happy New Year to all our EAA Chapter members and guests interested in General Aviation. As your new Chapter President, I'd like to thank Will Taylor, our past president, for his 3 years of dedicated service



to 179 and know that his participation in our activities will continue - subject to his flight schedule for APD. Just a bit of an introduction on my background: I'm a scientist/engineer for a local aerospace company in Alb and as most of you know, completing the assembly of a Kitfox (N104Y) with Kat my wife and Rick Richter (Kat's father). I started flight training when I was 15, but ran out of money so I joined Air Force ROTC as a pilot candidate. When commissioned, the AF had too many pilots so after a career as an active duty scientist and then a govt contractor, I completed my PPL about 8 years ago. My vision for the Chapter is to earnestly promote General Aviation among the younger elements of society. Flight training, learning, and especially flying is a great way to hone interest in science, technology and engineering which will hopefully lead to Chapter growth and volunteerism. One other important aspect of our Chapter that I will definitely explore is how to provide opportunities for our members who for any number of reasons can no longer operate as PIC, but still love to fly GA. See you at the next meeting!

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.

Chapter 179 Christmas Party

Thanks to Russ and Margaret Prina for once again welcoming us into their lovely home for our Chapter 179 Christmas Party. We enjoyed a great pot-luck dinner, a fun grab bag gift exchange, and a relaxed time visiting with friends. A good time was had by all!



Don't Let ICAO Sneak Up on You! By Rose Marie Kern

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For years now the FAA has been moving towards changing all flight plans, both VFR and IFR filed within the U.S. border to ICAO. A few years ago ICAO Flight Plans were required for IFR flights requesting RVSM handling, then it was required of all aircraft crossing the ADIZ.



As of the end of January 2017, ALL flight plans will be required to use the ICAO form.

But it doesn't have to be painful. For GA aircraft doing VFR flights, most of the information entered into the current domestic flight plans is the same, it just looks a little different. If you call flight service, you give all the same information for all but three fields of the flight plan. What's new is the type of flight field, the wake turbulence category and the equipment field. There are a lot of extra fields in the bottom half of the flight plan – but they are not required for domestic flights.

Say you are going to travel from home to Oshkosh. You have a nice little one prop aircraft. Right now your flight plan looks like this:

VFR , N12345, C210/A, 145kts, Departing RWF, at 1300z, altitude 095, Route, Destination, ETE, Fuel, POB, Pilot Contact Info, and color of aircraft.

The ICAO form uses the same information in a different order, and adds fields for type of flight (G is General Aviation) and Wake Turbulence (in this case L for Light Aircraft) and Surveillance Equipment (usually Mode A or C).

N12334, VFR, G-(General), C210, L (light), SD, A, Departing KRWF, 1300z, N0145, A095, Route, KOSH, ETE, FUEL, POB, Acft Color and Pilot contact information.

Again, most of it is the same. The speed adds "N" for Knots and is 4 digits. The Departure and Destination airports include the "K" indicating these are airports inside the U.S. The Altitude begins with "A" if it is below the flight levels.

The departure, destination and alternate airports must use the K to identify them as U.S. airports. Smaller alphanumeric airports will not be picked up in those fields so you must use ZZZZ and then place the actual

airport identifier in the OTHER INFORMATION field. (/DEP 5V5). Airports in the route field just use the domestic 3 letter ID.

The only real confusing bits are the changes to the equipment field. In the current domestic flight plan a slant is added after the aircraft type and one letter describes what you have. (C210/A, BE36/G) The ICAO form wants you to list all the equipment you have on the aircraft. Filing VFR means you can keep it simple, but where before you used /A to indicate your type of navigation equipment and what transponder equipment "talks" to the radars and satellites – now you have two fields with a lot of choices.

/A would translate as "SD" in the EQUIPMENT field and "A" in the SURVEILLANCE field. "S" means the aircraft has VOR, VHF RTF and ILS, and "D" for DME. The "A" means a Mode A transponder. /G is GPS and /N is Nil, which is used if you have no navigation equipment or if it is out of service.

Before such time as you are required to file ICAO, it would be good to study the options for those two fields. Drop-down lists are available on the ICAO flight plans in the Flight Service PilotWeb site, the DUATs Site, and most of the private vendors. The options for both fields are also provided below.

There are several more fields on the ICAO form related to survival equipment or other data – these are entirely optional for domestic flights. The only other thing to know for a simple VFR flight is that if you have any remarks to list in the Other Information field, you must start it with RMK/. (RMK/PLA for practice low approach).

Change is not comfortable, but this one isn't really as tough as it seems at first. You can start filing ICAO for your VFR domestic flights right now if you want to. Within a few months it will be second nature.

References:

https://www.faa.gov/about/office_org/headquarters_offices/ato/service_units/air_traffic_services/flight_plan_filing

[https://www.faa.gov/about/office_org/headquarters_offices/ato/service_units/air_traffic_services/flight_plan_filing/media/FPL_Brochure_\(change3\).pdf](https://www.faa.gov/about/office_org/headquarters_offices/ato/service_units/air_traffic_services/flight_plan_filing/media/FPL_Brochure_(change3).pdf)

If you have questions on this or other items related to ATC, contact Rose through her website, www.rosemariekern.com.

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Equipment Box (Check all that apply)

N = NIL

S = (VOR, VHF RTF, ILS)

A = GBAS Landing System

B = LPV (APV with SBAS)

C = LORAN C

D = DME

E1 = FMC WPR ACARS

E2 = D-FIS ACARS

E3 = PDC ACARS

F = ADF

G = GNSS

H = HF RTF

I = Inert'l Nav

J1 = CPDLC ATN VDL Mode 2

J2 = CPDLC FANS 1/A HFDL

J3 = CPDLC FANS 1/A VDL Mode A

J4 = CPDLC FANS 1/A VDL Mode 2

J5 = CPDLC FANS 1/A SAT COM (INMARSAT)

J6 = CPDLC FANS 1/A SAT COM (MTSAT)

J7 = CPDLC FANS 1/A SAT COM (Iridium)

K = MLS

L = ILS

M1 = ATC RTF SATCOM (INMARSAT)

M2 = ATC RTF (MTSAT)

M3 = ATC RTF (Iridium)

O = VOR

R = PBN Approved

T = TACAN

U = UHF RTF

V = VHF RTF

W = RVSM

X = MNPS

Y = VHF with 8.33 kHz channel spacing

Z = Other (COM/, DAT/ or NAV/ in Field 18)

Surveillance Equipment (transponder or ADS-B)

N = NIL

A = Mode A

C = Modes A and C

E = Mode S, ID, Alt and Squitter

H = Mode S, ID, Alt and Enhanced Surv

I = Mode S, ID no Alt

L = Mode S, ID, Alt, Squitter and Enhanced Surv

P = Mode S, Alt no ID

S = Mode S, ID and Alt

X = Mode S, no ID no Alt

B1 = ADS-B, Dedicated 1090 MHz Out

B2 = ADS-B, Dedicated 1090 MHz Out and In

U1 = ADS-B, UAT Out

U2 = ADS-B, UAT Out and In

V1 = ADS-B, VDL Mode 4 Out

V2 = ADS-B, VDL Mode 4 Out and In

D1 = ADS-C, FANS

G1 = ADS-C, ATN

B-17 Flying Fortress, "*Aluminum Overcast*" January 6 - 8, 2017; Double Eagle II Airport



Thanks to Phil Phillips (Saigon Tea), Chuck Swanberg (Navion), and Ron Harmon (Harmon Rocket) who shared their aircraft for static displays. Thanks to the Chile Flight and Ron Harmon for providing extra interest by flying between B-17 flights! Also to Fred Franceschi for bringing out his WC-24 Command Car. JW



Warming up with coffee and treats



Family veteran photos and memories shared with crew and volunteers



Photos
this page
by Joyce
Woods



Pilot, Lorraine Morris





Photos this page from Elliott Madriss

B-17 Flying Fortress, "*Aluminum Overcast*" in New Mexico all of January

Book **FLIGHTS** in advance, and SAVE! More info at: www.b17.org

Ground Tour tickets and memorabilia available on site. \$10 / \$20 family, veterans and active military FREE!

January 6- 7-8, 2017; Double Eagle II Airport

EAA Chapter 179. Great event! Just completed – see details in this issue.

January 13-14-15, 2017; Las Cruces International Airport

There will be B-17 rides, tours, a huge car show, and a great time for all. Sunday Ground Tour Times 8am - 11am for this location only. Sponsored by EAA Chapter 555

January 20 - 21 - 22, 2017; Dona County Airport at Santa Teresa, NM

Sponsored by EAA Chapter 1570



Scheduled Maintenance on the B-17 was performed at Double Eagle II Airport (KAEG) using EAA Mechanics, Bode Mechanics, and volunteers. This was before the Jan. 6-8 flights. The 2017 tour begins.

Left: left to right
Matthew McKelvey, Paul Cross, Barry Kromer, [??don't know], Eric Fatla (EAA mechanic), John Hopkins (EAA Director of Maintenance), [don't know??], Tim Bourgoine (Bode Maintenance), Fred Loehr, Mike Peer (EAA mechanic), Randy



Lower Left: Dean Wadsworth



Below are three videos from B-17 flights at our event just finished. Links sent in by Frank Roush.

Click on each link to view.



https://youtu.be/thpC_m2Pab0



<https://youtu.be/Y2ApV-VISEw>



<https://youtu.be/UTwBfuzgUKc>

Some additional tidbits:

A frosty day Friday – icy roads delayed anyone trying to get to the airport. Snow on Alum Overcast. Passengers were rescheduled for a Sunday flight.

Lorraine is an active United Airlines 777 pilot.

EAA was pleased with our turnout, despite short notice tour setup after maintenance stop and because of cold weather/icy roads.

Here are some quotes.

“An incredible piece of history! So glad you guys do what you do to keep it flying and share it here.” Those who came out were in awe and so appreciative.

Asked how you found out about it, “my grandson saw the ad and said we had to come!”

Frank Roush, one of our chapter volunteers giving tours said, “I especially liked the children.”

Konrad, Isn't that great? (that parents bring the young ones out and are passing down the stories.)

Thank You B-17 Volunteers!!!

I would like to extend a very sincere “Thank You!!!” to all our volunteers on behalf of the B-17 Tour-Stop from this past weekend! While the cold winter weather did not help us out, we managed to turn it into a pretty good event after all, despite all its challenges. This B-17 Tour owes its success to the dedication of our various Chapter Members who braved the cold and put in the work it took. There was also a lot of grunt work that went on before, during and after the event, but everyone helped together to make it all work! Proper preparation and execution for an event like this is crucial to its success, and in the end, we did very well (\$\$) for our Chapter! Again, a heartfelt “Thank You” to each and every one of you who were able to help out!!! You all know who you are! Cheers, Konrad

Quick Notes

MEMBERSHIP RENEWAL: If you haven't already, it is time to submit 2017 chapter dues! We depend on chapter membership to fund annual ongoing activities. Fully tax deductible, dues are \$20 for an individual member, \$30 for a family. If your contact information has changed, please complete the renewal form. Make checks payable to "EAA 179". Mail to: EAA Chapter 179; P.O. Box 3583; Albuquerque, NM 87190-3583. You'll receive an email confirmation.

Joyce Woods Membership, Publicity, and Promotions
Albuquerque EAA Chapter 179
chapter@eaa179.org

NMPA BOARD MEETING

There will be an NMPA Board of Directors meeting starting at 9am on Saturday, January 14, 2017 in the Bode Aero conference room at Double Eagle II Airport (2nd floor).

President Jerry Donovan invites any members to participate, particularly if you'd like to get more involved in the association.

Contact Jerry if you have any questions:
505 450 3892

EAA 179 ACCEPTING SCHOLARSHIP APPLICATIONS

EAA Chapter 179 is accepting scholarship applications for those pursuing aviation education AND for EAA's Air Academy in Oshkosh, WI this summer. The February 15 deadline is approaching!

AVIATION SCHOLARSHIPS – due February 15, 2017

Last year, we granted four \$1000 scholarships which may be used for flight training, A&P mechanic programs, or other **aviation education** options! [Read more](#) about EAA179's Aviation Scholarship program and [download the Aviation Scholarship application](#)!

Applicants must be age 25 or younger. Hurry! A letter of reference is required.

EAA AIR ACADEMY SCHOLARSHIP – due February 15, 2017

The Albuquerque EAA Chapter 179 is now accepting applications for a full tuition scholarship to the 2017 EAA **Advanced Air Academy** (ages 16, 17, 18) held in Oshkosh, Wisconsin, **Session 1 July 18 - 26**. The EAA Air Academy is a fun-filled aviation camp experience which our previous scholarship recipients best described as "awesome!"

Since 1984, experienced instructors and dedicated staff have shared the knowledge and lore of aviation through hands-on workshop, classroom, and outdoor experiences with young people. The registration fee includes all instruction, materials, meals and lodging in the beautiful EAA Air Academy Lodge, located at Pioneer Airport on the grounds of the EAA AirVenture Museum in Oshkosh. Participants share a bunkroom with three other campers and bathroom facilities centrally located on the same floor. Transportation to and from Oshkosh is the responsibility of the participant, with free pick - up provided from the Appleton, Wisconsin airport. Tuition is paid directly to EAA on behalf of the recipient. [Download EAA179 Air Academy tuition application](#). See the [EAA Air Academy website](#) for full details on the program.

Because our funds are limited, we encourage anyone interested in the Air Academy to also apply for scholarships offered from EAA Headquarters: [EAA Air Academy scholarships](#). Be thoughtful on your applications and note deadlines.

Applications must be received by February 15. Mail to: EAA Chapter 179; Attn: Scholarship ; P.O. Box 3583; Albuquerque, NM 87190 *Candidates for both EAA 179's Aviation and Air Academy scholarships will be notified by March 1 and scholarships will be awarded at our March 21st chapter meeting.*

WANT TO CONTRIBUTE? We encourage and accept donations of any amount to our scholarship fund. Chapter 179 is a 501(c)(3) tax exempt charitable organization. Thus, all donations are fully TAX DEDUCTIBLE. Make your check out to "EAA179 - Scholarship" and mail to EAA Chapter 179; P.O. Box 3583; Albuquerque, NM 87190

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, then onto Lunch at T J's New Mexican Restaurant at 235 Highway 314 SW, Los Lunas at 11:45AM.

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 Chapter 179

P.O. Box 3583

Albuquerque, NM 87190-3583