

**JUNE 2018**



# Mountainland Flyer



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## Next Regular Gathering June 4, 2018

We meet the first Monday of the  
month at McGhee-Tyson  
510 Center

Come early to visit and eat. The  
program starts at 6:30 PM.

## FLYING FORTRESS VISITS KNOXVILLE June 21 to 24

The EAA B-17 Bomber "Aluminum Overcast" will come to the TAC AIR ramp at McGhee Tyson airport on the Alcoa Hwy. It will remain for 4 days to offer tours and rides in the airplane. Active Duty and Veterans will receive a free tour (a \$10.00 value) so bring your DD-214 or proof of service please. This will be a great opportunity to bring your children and grandchildren and teach them some WWII history. Such as the necessity of formations of bombers flying for hours over enemy territory, defending themselves from enemy fighters, with no defense against enemy FLACK, striking at enemy strategic targets.

We need volunteers to work that Thursday through Sunday. A computer survey will ask you to volunteer a morning or afternoon shift, or you may volunteer for the full day.



## Message from your President

June is going to be another busy month for our chapter. June 8<sup>th</sup> through the 10<sup>th</sup> some of our members will be Flying/Driving and camping at Triple Tree Aerodrome in Woodruff SC to take part in the first of its kind Young Aviators Event. Go to [www.tripletreeaerodrome.com](http://www.tripletreeaerodrome.com) for more info. We will discuss this further at our meeting.

June 21st through the 24<sup>th</sup> our chapter will be hosting the EAA B17 tour on the ramp of TAC AIR at TYS. Lots of work going on behind the scenes by Sam Robinson, Robert Berlin, Jerry Depew, and Ken Strong. We hope to finalize the work schedule for volunteers for this exciting event at our June meeting. I think we need at least 24 volunteers. Watch for a section on our website where you can volunteer your time if you don't do it at our meeting.

Check out this month's Safety Article by Greg Long concerning the Aging Pilot. This hits home for many of us in this chapter. So much so that we may hold a short presentation on it at our July meeting.

Last month we held another successful Young Eagles event at DKX where we gave over 70 youngsters their first aviation ground school and flight.

I plan to present "*Oil Analysis for your Airplane Engine*" at this month's meeting. Many of you are already using this science and I hope to help you get a better understanding of what it is telling you and why do it at all.

Remember that our social time now starts at 6:00 PM with the meeting starting at 6:30 PM and ending by 8:30 PM. Our chapter will provide the main dish (Pizza) and refreshments, and hopefully some of you will bring your favorite desert to share. Don't forget to email me if you have something you would like us to cover at the meeting. See you next Monday.

George Douglas President Chapter 17

## TRIPLE TREE young Aviators Fly-in

JUNE 8-10 2018

There will be no landing fee or daily admission fee, however food trucks will be on site Friday and Saturday for you to purchase lunch. Friday evening AOPA will sponsor a hamburger dinner. Saturday morning AMA will sponsor Breakfast with chicken biscuits and fruit. Saturday evening EAA will sponsor a BBQ chicken dinner. Sunday a continental breakfast will be provided for a low cost. An event specific T-shirt will be available for purchase as well.

Come on out and enjoy the beauty and charm of Triple Tree, all while supporting the next generation!

## Riley Creek Sold

After yeas of neglect the Riley Creek airport in Kingston (12TN) has been sold and removal of trees and trash has begun. It is hoped that hangars will become available soon.



### MAY MEETING IN REVIEW

**GREG LONG** gave a presentation of his engine and cooling modifications to his Velocity Standard Elite. Cooling had been a problem but the addition of NASA scoops turned his newly engined canard into a hot rod. He gets 172 knots cruise on only 8-10 gph.

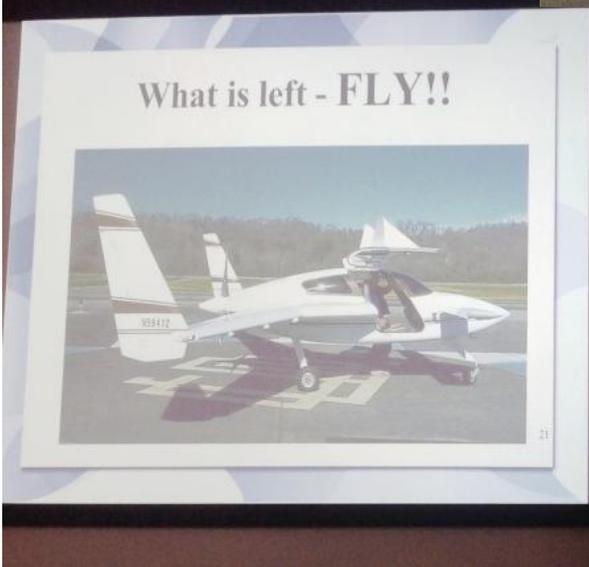
**MARVIN McGRAW** told us about his award winning RV project, and how his wife **SANDY** became an expert at riveting, and was a critical component in the building of this Reserve Grand Champion winner at the Sun 'n Fun air show this spring.

**Jules Bernard** and **Ken Blythe** are both WWII veterans attending our meeting ahead of their planned flight together in the B-17 when it arrives on June 21. Jules worked to maintain the bomber and Ken was trained as a pilot and navigator.

**SHIRLEY DOUGLAS** models a custom made cooking apron made by a Young Eagle pilot who started a business to fund his continued flight training. You can order one featuring your favorite airport and custom lettering for \$25 plus shipping. [www.chartitall.com](http://www.chartitall.com)



Marvin McGraw



Greg Long



## Young Eagles KDKX 2018 Event Recap

By Marvin McGraw, Young Eagles Coordinator

***The weather was perfect with clear skies and light winds, in all 27 flights, with 11 aircraft, flying 70 kids many of whom were obviously excited to tell their parents all they experienced. Can you think of a better way to spend time with friends and family?***

Thank you to all volunteers for another successful Young Eagles Event on May 12<sup>th</sup> at Knoxville Downtown Island airport, KDKX. You provided first flights to many kids and even had a few returning Young Eagles. The Young Eagles program is provided by you, and the EAA, to all children between the ages of 8 and 17. Each child can participate as many times as they wish, but only one flight per day.

Suzanna Suarez of Tri-Cities was eight years old when she first attended a YE event two years ago, you may remember her as the young lady who pulled the names for the door prizes at the Fall Party in October 2016. Well, this year Suzanna returned for her second YE flight at 10 years old and brought her 8-year-old sister Chloe for an introductory flight with pilot Mark Scheuer. They are both remarkably mature, courteous, and very excited by aviation and that really is why we do these flights. Returning Young Eagle Beaux Davis flew to the event from Monroe County airport, KMNV, with pilot Jimmy Hunt. Beaux has not only been a previous YE, but also a ground volunteer helping with multiple events and attending many monthly gatherings with his mentors Tom and Pat Roush.

As Beaux and Suzanna show, our goal is not a single flight, but rather to introduce children to the many opportunities available through the EAA. After completing the flight, they receive a logbook signed by their volunteer pilot to commemorate the experience. That logbook is an actual FAA record and an entry path for the many benefits provided free of charge by the EAA. Their names are entered into the "World's largest Logbook" in Oshkosh Wisconsin. To see if you or someone you know is entered go to [www.youngeagles.org](http://www.youngeagles.org).

In addition to the flight provided by Chapter 17, Young Eagles receive the following from the EAA:

- EAA Student Membership with every opportunity provided by a full membership including the Sport Pilot Magazine (electronic copy)
- Admission to 300+ science and technology museums
- Academy of Model Aeronautics student membershi
- The Sporty's Learn to Fly Private Pilot Course
- First flight lesson with an instructor or their choice
- Reimbursement after completing the FAA knowledge exam for the Private Pilot certifica

Access to flight training awards, education scholarships, and the EAA Air Academy.

The first step was to register the future Young Eagles to attend a short ground school which introduced them and their parents to aviation and what to expect. After the ground school and while waiting for their flight, static displays were available. Chapter member Adam Tippin brought his KR2 homebuilt and the 99s were available with refreshments. If you're not familiar with the 99s, they are a national organization to support women in aviation and mentoring future aviators.

Parents and children were then escorted to the flight line for pictures and preflight introductions to the pilots. A standard route was flown to include sites that may be familiar to the participants, the UT football stadium, Kingston Pike, West Town Mall, Pellissippi Parkway, etc...

After the flight, the new YE's returned to the registration desk to process their logbook and flight completion certificates. As exciting as the ground school, static displays, and flight can be, these documents are the gateway to all the other benefits provided by The EAA.

It was rewarding to hear the kids tell their families about the days adventures. I hope many of you were able to see the joy you gave these children and I hope you had as much fun! We had one participant, 10 years old, who just could not get the nerve up to actually get in the plane. After quite some time she did decide to fly if her father would ride along. He did and she had a wonderful flight!

I would like to acknowledge the support we receive from Knoxville Downtown Island airport, KDKX. Manager Judd Conatser and the line personnel were on site at 7AM to setup the hangar and organize the ramp area. Judd is working on an electronic mass notification system for the tenets of KDKX to advise them of future large events like the EAA Young Eagles. Hopefully next year non-participating pilots will be aware of the size of our program and that we will be flying a specific traffic pattern entry for the event. Also based on pilot feedback we are developing a system for aircraft spacing coordinated through Albert Robinson (Ground Coordinator), the Air Boss, and the KDKX ramp personnel.

Large events such as this require a bit of time from each of you in registration, ground school, ground support, flight support, media outreach, and the pilots providing the aircraft. We hope you get as much from the experience as you give to the children. Thank you for your support and if you did not get to participate this year, we are already planning for next May. Please come join the fun!



## Young Eagles May 12.

More pictures at <https://openroadsmedia.pixieset.com/youngeaglesflight2018/>



Marvin McGraw gives pilot brief

Pilot	Aircra	#flights
Richard Baldwin	Cessna T210	3
Juliette Cos	Piper Cherokee Archer	2
Jerry Depew	Cessna 172	3
George Douglas	Cessna 182	1
John Haynes	Piper Cherokee 180	2
Marc Hightower	Waco GXE biplane	3
Jimmy Hunt	Beech C25 Bonanza	3
Paul Mercandetti	Globe GC-1B Swi	3
Sam Robinson	Van's RV-10	3
Tom Roush	Van's RV-9A	3
Mark Scheuer	Piper Cherokee Archer	4



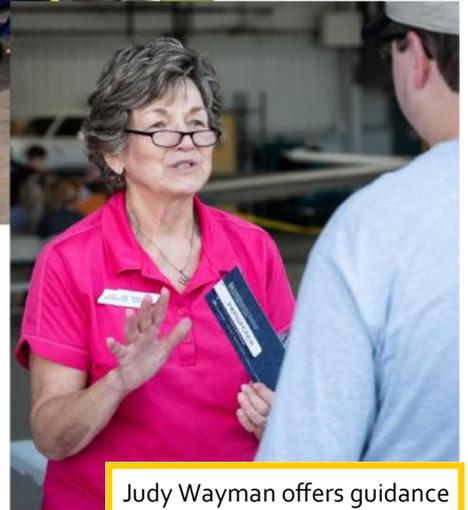
Adam Tippin shows off his plans-built kit KR-2 in Progress

Alex Shore instructs Ground School



## Young Eagles May 12.

More pictures at <https://openroadsmedia.pixieset.com/youngeaglesflight2018/>



Judy Wayman offers guidance



## **FLYING FORTRESS VISITS KNOXVILLE June 21 to 24**

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## **FUTURE CHAPTER 17 FLY OUT AND COOKOUT**

George Douglas has been working with the airport manager Tom Mc Cosh at the Monroe County airport (MNV) as a destination for a chapter event. Tickets will be sold for a meal that will be prepared for us and we can socialize with our many members, and again trade airplane rides with other pilots. This will be an opportunity to ride in an airplane that you may be interested in building or flying.

## **ANNUAL CHAPTER BANQUET SET FOR OCTOBER 6**

George Douglas announced the dates for our 2018 banquet and speaker have been locked in.

We will be holding it on October 6th, 2018 at Bearden Banquet Hall. John (lites) Leenhouts President & CEO of Sun N Fun Expo Campus will be our speaker this year. The times and location are the same as last year. George was careful to schedule our banquet on an off weekend for the UT football team so there will be no conflicts.

## **ADVERTISEMENT**

### **Dan Valle Chapter 17 Member offers Aircraft Certs**

For VFR \$85, with Mode S VFR \$100...Less than 30 minutes

For IFR \$275, Mode S \$300...About 2 hours

If enough folks sign up for service, he will come to you, Or, if owners don't mind the short flight to TN44, he can handle here.

Contact Dan Valle

Cell 313-539-9818

A portion of the proceeds from members certification testing is returned to Chapter 17

## Long on Safety

*By Greg Long*

**So, we are getting **OLDER!****

On one hand, the aging process generally causes lower performance such as slower physical reaction times, decreased mental acuity, poorer vision and hearing, and a decreased ability to handle stress. On the other hand, older pilot performance has the benefit of experience.

Probably one of the most difficult areas for aging pilots to accept is Cognitive Decline, a threat to safety that is similar to fatigue and substance abuse.

One reason symptoms go unnoticed is that, with practice and routine, the brain adjusts to mild to moderate cognitive impairment. In other words, normal activities can mask the severity of the deficiency.

The key factors in cognitive performance are:

- ⇒ Inductive reasoning - problem solving;
- ⇒ Spatial orientation - comprehension of one's surroundings;
- ⇒ Perceptual speed - pace of understanding;
- ⇒ Numeric ability - pace and accuracy of mathematical problem solving;
- ⇒ Verbal ability - conversational competence; and,
- ⇒ Verbal memory - recollection of aural input.

Good diet, exercise, and keeping mentally active can help both in both physical and mental fitness. Age in years is not the major criteria in fitness. It really boils down to luck, genetics, and earlier life events.

In view of the progressive problems of age, the older pilot should acknowledge the ill effects of time; check himself out on cockpit procedures often and faithfully; learn new material and techniques; and consult his AME if the least bit in doubt about his capabilities. But, when physical and/or mental deterioration begin to adversely affect piloting skills - it's time to fly right seat or hang up your wings.

## MOONTOWN, ALABAMA FOR BREAKFAST?

Our chapter has been invited to fly down as a group for one of their Third Saturday monthly breakfast. They would then take us over to their hangar museum and give us a tour. More information will follow.

## FAA embraces ASTM standards for compliance

The Federal Aviation Administration announced that it has formally accepted ASTM International standards for compliance with Part 23 certification procedures for normal-category aircraft. "These pivotal changes will bring new and safer technologies into the cockpit and reduce costs for pilots and operators," said AOPA President Mark Baker. AOPA Online (5/14)

## CALENDAR OF EVENTS

Come join us for fun and education with other aviators.

Visit [www.eaa.org/calendar](http://www.eaa.org/calendar) to access a comprehensive list of events that you can filter to match your location, range, interest and schedule.

- June 2 First Saturday EAA Chapter 1494 Breakfast at Morristown (MOR) (32 miles from DKX)
- June 2 First Saturday Breakfast and program. EAA Chapter 690 at Gwinnett Co. (LZU) (137 miles from DKX)
- June 2 First Saturday Breakfast. Winchester (BGF) (135 miles from DKX)
- June 4 First Monday of the month EAA Chapter 17 meeting at 510 Center building at McGhee Tyson airport, 2950 Airfield Service Dr. Alcoa TN 37701 (Near the airport Hilton).**
- June 8-10 Triple Tree
- June 9 Second Saturday Breakfast. Monroe Co (MNV) (41 miles from DKX)
- June 9 Remote Area Medical (RAM) – Salute to Service of our military veterans at Downtown Island.
- June 9-10 Tullahoma Aeromart (KTHA) Buy, Sell or Trade. Contact Gary Meuer 931-571-1166
- June 16 Lloyd's Landing Fly-in, Collegedale TN (KFGU) 10:30 AM to 1:30 PM (90 miles from DKX)
- June 16 Third Saturday CAP Breakfast at Cleveland (RZR) (73 miles from DKX)
- June 16 Third Saturday Moontown, AL breakfast. (3M5) (168 miles from DKX)
- June 21-24 **The EAA B-17 Bomber comes to Knoxville McGhee Tyson airport to give tours and rides.**
- June 23 Fourth Saturday CAP Breakfast at Dayton (2A0) (68 miles from DKX)
- October 6 Annual Banquet Luncheon: Bearden Banquet Hall. John (lites) Leenhouts President & CEO of Sun 'n Fun Expo will be our speaker this year.**

Short Notice Aviation Plans (SNAP) Any weekday that the weather is good. Why wait for a weekend?

Ready to schedule:

- ➔ Trade A Plane Publishers in Crossville, TN
- ➔ Group Fly Out to the Tennessee Museum Of Aviation in Sevierville.
- ➔ Group Fly Out to Andrews, NC (KRHP) to see Jerry Stadtmiller and look at his Antique Aircraft Restoration and Repair operation. (53 miles from DKX)
- ➔ Fly Out to EAA Chapter 242 in Columbia, SC. Trade Airplane Rides

Guest Speakers ready to meet with EAA Chapter 17:

- ➔ Tom and Pat Roush flying balloons in Austria.
- ➔ TEMPEST Spark Plugs with Vince Bechtel.
- ➔ A continuation of ForeFlight training.
- ➔ Future plans include a seminar on Mountain Flying.
- ➔ Aerobatics Seminar?

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# JOIN THE FLIGHT!



Climb aboard EAA's B-17G *Aluminum Overcast* for a once-in-a-lifetime opportunity to fly in one of World War II's most vital aircraft.

## MCGHEE TYSON AIRPORT

### JUNE 22-24, 2018 \* KNOXVILLE, TN

#### FLIGHT EXPERIENCE PRICING AND TIMES

Flights available 10 a.m. to 1 p.m.

**EAA MEMBERS**

**\$435**

**NONMEMBERS**

**\$475**

Includes a FREE one-year EAA membership



#### GROUND TOURS PRICING AND TIMES

Ground tours available 2 to 5 p.m.

**INDIVIDUALS**

**\$10**

8 & under w/paid adult are FREE

**FAMILIES**

**\$20**

Adults and children up to age 17

**VETERAN/ ACTIVE MILITARY**

**FREE**

Visit [B17.org](http://B17.org) or call **800-359-6217**.



## THE BEST B. F. R. *EVER*

*By Jerry Depew*

I love flying and I love food, and the prospect of combining another flying adventure with an airport breakfast was too appealing to resist.

I had been talking to Linwood Stevenson about taking an old friend flying in a sailplane as part of his bucket list and we were watching for a favorable weather day when I got the call from Linwood. My friend was not well enough at the time and asked to postpone. Telling this to Linwood he asked if I wanted to fly instead. The weather (Winds) were going to be favorable for Ridge Lift at the Chilhowee glider port. Combined with the days of spectacular weather and non-existent humidity giving incredible visibility it was just wrong to let this opportunity slip by. I was coming close to my required Biannual Flight Review and there was the scheduled CAP breakfast at Dayton in the morning. Could we do everything?

Mr Stevenson met me at my hangar Saturday morning for a flight in my Cessna to breakfast with instruction and flight maneuvers in route as a part of the BFR review. We had a leisurely breakfast while visiting with the many attendees. There was no hurry...the wind and thermals would break later in the day. Back in the Cessna, we again trained and demonstrated my flying ability as we made our leisurely route to Chilhowee completing the flying portion of the review by the time we arrived. It was a spectacular day and a joy to be flying.

I was introduced to the glider we would fly; an ASK-21 two-place composite "T" tailed sailplane with 55' 9" wings and a Glide Ratio of 34/1. After we were towed aloft, in a Piper Pawnee that only I could think of as cute, to altitude allowing me to fly some after teaching me where to position myself and where to aim during a turn. At 2500' AGL Linwood pulled the release and aimed us for the ridge. No ridge lift yet but he found a light thermal and began the slow climb to altitude before turning over the controls to me. The next lesson I learned was how to Thermal. I was making graceful turns. WRONG. Thermals are narrow near the ground and get wider with altitude like an ice cream cone. He had me in a 45 degree bank with lots of rudder. We use lots of rudder and I was learning to keep the string taped to the cockpit window straight to keep drag to a minimum. Anything less and we are skidding and wasting lift. I am really working now but it is getting more intuitive.

Another of my misconceptions was the required speed. I thought I needed to fly slow to minimize altitude loss but that is not so. We fly slow in the thermal to increase the time in lift, but when flying in down air we go fast to minimize the time to the next thermal and hope to find one soon. Back to the ridge again we found enough lift to sustain altitude and we cruised along the ridge with the trees just off our wingtip. What a spectacular view I had as Linwood again climbs up to altitude.

We found ourselves often at 5,000 above the ground and even got as high as 7,000 allowing Linwood to play and demonstrate the performance and speed ranges used for Cross Country competitions. We had been up about two hours when asked if I was ready to return. I declined and so off we go again.

When we finally returned to the airport for landing (Linwood said he could get us home on as little as 2200 feet) I stumbled into a generous thermal and he let me spiral up to about 5,000 feet again. I am so hooked!

The arrival of a group of gliders prevented my making any approach for landing but I am watching and learning. When we stopped, we had flown just over three hours. I am still grinning.

## Pilots and Aviation Enthusiasts

*Please mark you calendars, plan to attend, and share this information...*



**2018 MICHIGAN AIR TOUR (MAT)**

**September 21-23, 2018**

Pre-Tour Welcome Party on September 20th

Planning is underway. Registration will be open soon. This year's MAT will be hosted from a central airport with fly-outs to other airports around that central location. One hotel; no need to pack and unpack daily. Grass airstrips and airports that have not been on past tours will be included making for new adventures. Spot landing contests are being considered to challenge piloting skills.

Watch for more details coming soon on [michiganairtour.org](http://michiganairtour.org)

Please SHARE this info with other pilots: my mailing list is limited. Thanks!

Rebecca Duggan

President

Michigan Aviation Education Foundation [586-839-7252](tel:586-839-7252)



# EAA Chapter 17

EAA Chapter 17  
Newsletter Publisher  
412 Huxley Road  
Knoxville TN, 37922  
Email: publisher@eaa17.org

**EAA Chapter 17's** mission is the promotion of education in aeronautics, flying safety, navigation, amateur or home-built aircraft, antique aircraft restoration and construction, and related aero-sciences. To foster aviation, education, and progress in light aircraft development and other closely related phases of aviation. And to maintain a non-profit co-operative association to obtain instruction and education in aviation.

Page 12

## Your EAA Membership

Chapter 17 maintains our membership records. This is important for two reasons. First, and most important, we use the info to correspond with our members. Second, we are required to provide EAA Headquarters with a current chapter roster each year. To help update our records, we are asking everyone to please provide the following: **Name, Address, Phone Number, Email Address, and EAA member number.**

Finally, **we can't emphasize enough the importance of full EAA membership.** This is especially critical in the current climate of proposed GA user fee increases and other threats to your freedom to fly! For \$40 a year for a single EAA membership or \$50 a year for family membership, you can add your clout to the battle, as well as get a great magazine in *Sport Aviation* each month and lots of other member benefits. **If you are not a current member of the international EAA organization, please join or renew your membership.** Go to <http://www.eaa.org/memberbenefits.html>, or call 800-843-3612.

In the words of Vintage Aircraft Association President, Geoff Robison, "Let's all pull in the same direction for the good of aviation. Remember, we are **better** together. Join us and have it all"

## CHAPTER 17 MEETINGS ARE NOW ON THE FIRST MONDAY OF THE MONTH, UNLESS OTHERWISE POSTED!

### EAA Chapter 17 Membership Renewal



Name: \_\_\_\_\_ EAA Member # \_\_\_\_\_

Address: \_\_\_\_\_

Email: \_\_\_\_\_ Phone: \_\_\_\_\_

Project or current aircraft or interest: \_\_\_\_\_

Annual Dues run from January 1st to December 31 each year.

Type of Registration: Regular: (\$20) Family: (\$20), list names: \_\_\_\_\_

Student (Free for [EAA Student](#) members): \_\_\_\_\_

Address, email, and phone info is used to update CH 17 records, is voluntary, and is not shared outside of CH 17. EAA Member # is required for our annual EAA Chapter renewal.

Please print, fill out, and bring to the next meeting, or mail to CH 17 Treasurer, at the below address. Please include a check for \$20.00 made to EAA Chapter 17.

**Online registration** (<http://www.eaa17.org/EAA17membership.htm>) available using a credit card or Pay Pal

Thanks for your continued support!

Renew online or by mail to:

Chapter 17  
C/O PS Engineering  
9800 Martel Road  
Lenoir City TN 37772

Total amount of check \$ \_\_\_\_\_

