



**PUBLISHED TO RECORD
THE UPS AND DOWNS
OF THE
KANSAS SOARING ASSOCIATION**

Editor: Tony Condon

Volume LVII

September 2017

Number 8

PRESIDENT – TONY CONDON (2017-2018)

SECRETARY/TREASURER – BRIAN SILCOTT (2017-2018)

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MATT GONITZKE (2017-2018)

DON JONES (2016-2017)

TIM DOUBLE (2016-2017)



KSA at the 13.5 Meter World Championships

KSA CALENDAR

August 28th - September 2nd - Region 10 Championship - Waller, TX

September 9th - KSA Meeting - Cookout at Sunflower

September 9th - Soaring Legends of the Southwest - Lecture by Gary Fogel - Southwest Soaring Museum

September 21st - 24th - Great Plains Vintage Rally - Wichita Gliderport

September 24th - Adventurous Babes Society

October 1st - Adventurous Babes Society Rain Date

October 7th - EAA Fly-In Jabara Airport

October 14th - KSA Meeting - Elections - Report from 13.5m WGC - **Tony Condon & Matt Gonitzke**

October 29th - Closing Day at Sunflower

November 11th - KSA Meeting

Nov 26th - Dec 8th - 2nd FAI Pan-American Gliding Championships - Santa Rosa de Conlara, Argentina

December 9th - KSA Meeting

2018

January 13th - 2017 KSA Banquet

February 10th - KSA Meeting

March 10th - KSA Meeting

April 14th - KSA Meeting

Member Achievements

Bob Blanton completed his tow-pilot endorsement and has been towing. Thank you **Bob!**

Tony Condon placed 9th at the 13.5 Meter World Championships, with a day win!

Robert Estagin checked out in the Ka-6

Robert Estagin soloed in airplanes!



Robert Estagin on his airplane solo - Congrats!

Notes from the President

Greetings KSA! This month's newsletter will cover the last two months of activity. Not surprisingly, I did not find time while I was in Europe to put together a newsletter. I did thoroughly enjoy my time in Hungary and my return to Lithuania though. Getting to visit with glider pilots from all around the world is always welcome. It is nice to get some good ideas to bring home, and to learn that the struggles we face here at home are shared by others elsewhere too. Often we get a reminder that we have it pretty good.

Szatymaz was, I think, as close to glider pilot paradise as I have experienced. Pretty good soaring weather with most days giving climbs to 5-6000 AGL. The terrain looks a lot like Kansas. Wheat harvest was in full swing while we were there and the landscape was dotted with Sunflower fields! The facilities were outstanding. We rented a room in the mini-hotel above the clubhouse. There was a huge covered dining area. Between the clubhouse and where our gliders were tied down was a swimming pool and sauna. We tied down right next to the Wine Cellar. Walk the other direction and you went past the Bar and then to the large hangar. On the side of the hangar was the kitchen where our breakfast, lunch, and dinner was prepared each day. I found no reason to leave the airfield for the entire two week contest. Almost everyone who was flying there stayed either in the clubhouse rooms or rented tiny houses that were built in the trees along the edge of the airfield. They literally would wake up every morning, step outside, and be right next to their glider. Goals!

There is plenty to look forward to for KSA for the rest of the year. We are still keeping our eyes open for an opportunity to do a weekend safari to western Kansas this fall. Communicate on the Soar-Kansas Yahoo! Group and keep an eye on the forecast. We have the Adventurous Babes returning for the third year on September 24th. The EAA Fly In is October 7th at Jabara. We could use some extra volunteers for the EAA especially. With the move closer to Wichita, they are hoping for a busy event.

October is when we will return to our winter meeting schedule. We are currently looking for a meeting location for this year. If you have any ideas on a good indoor place, preferably with access to a projector, at low cost, please let me know ASAP. October is the month of elections in KSA and this year we have two director positions up. A nominating committee of **Steve Leonard**, **Alex Hunt**, and **Robert Estagin** has been formed. If you are interested in serving please contact them.

Plans are in work to host a Memorial Service for **Bill Seed** on October 21st at Sunflower. More information will be distributed on Soar-Kansas when it is available but please make plans to attend.

The end of scheduled flying in October will just be the beginning for KSA. We plan to move ahead with plans to start refinishing the Grob as soon as flying is complete on October 31st. This will require all hands on deck! **Bob Hinson** will be coordinating the effort so get ahold of him to volunteer before he calls you!

Looking ahead to 2018, the KSA Board has decided it is time for us to host a contest again, so we intend to host a Regional Contest next summer. If you have any interest in being part of the organizing or execution of a soaring competition there will be something for you to do!

See you at Sunflower,

Tony

Sunflower Seeds

July 1st: **Ben Sorenson** towed. **Aaron Maurer** gave a ride in the 2-33 to Tyler Gurnee, a local Air Guardsman. **Tim Double** flew the Grob and 2-33 with Jonathan Deguire, a visiting Canadian glider pilot. **Alex Hunt** had a few flights in the Grob including a ride for a prospective student. **Mike Orindgreff** had a good flight in F8. **Dave Pauly** flew the Pipistrel for a few hours. **Michael Groszek** had a late afternoon flight in the Ka-6. **Jerry Martin** visited. **Jimmy Prouty** and **Paul Sodamann** annualed Betty Boop.

July 2nd: **Mike Orindgreff** (F8) had a short flight

July 4th: **Keith Smith** (LW) and **Mike Orindgreff** (F8) flew.

July 5th: **Mike Orindgreff** (F8) had a nice flight of 327 km.

July 8th: **Mike Orindgreff** (F8) flew 175 km and **Steve Leonard** flew 210 km.

July 9th: **Michael Groszek** flew the Grob

July 10th: **Mike Orindgreff** (F8) flew 141 km.

July 13th: **Mike Orindgreff** (F8) had a couple flights, making 167 km on the second flight.

July 15th: Kowbell! **Bob Hindson** (KD), **Brian Bird** (Libelle), **Jerry Boone** (K7), **Steve Leonard** (FJ-1), **Paul Sodamann** (Betty Boop), **Keith Smith** (LW), and **Mike Orindgreff** (F8) all flew. Results elsewhere.

July 16th: Konsolation! **Paul Sodamann** (Betty Boop), **Michael Groszek** (Ka-6), **Steve Leonard** (FJ-1), and **Mike Orindgreff** (F8) flew. Results elsewhere in this issue.

July 19th: **Mike Orindgreff** (F8) had a nice flight of 273 km.

July 20th: **Mike Orindgreff** (F8) flew 353 km, and **Bob Holliday** enjoyed a 298 km flight in the Ka-6!

July 22nd: **Bob Hinson** (KD) made a few local flights. **Mike Orindgreff** (F8), **Jerry Boone** (K7), **Keith Smith** (LW), and **Steve Leonard** (VJS) flew cross county. **Steve** made a 700 km triangle! **Jerry** made Waynoka and back. **Keith** made it to Waynoka before landing at Alva.

July 24th & 25th: **Mike Orindgreff** (F8) had 257 & 324 km flights.

August 1st: **Mike Orindgreff** (F8) flew.

August 2nd: **Mike Orindgreff** (F8) flew 254 km, **Bob Holliday** flew the Ka-6 around the Harper/Pratt triangle!

August 4th, 14th, 17th: **Mike Orindgreff** (F8) flew.

August 19th: **Paul Sodamann** towed. **Tim Double** ran wings. **Tony Condon** (K) did a 400km triangle, **Keith Smith** (LW), **Mike Orindgreff** (F8), **Bob Holliday** (RZ), **Dave Pauly** (Pipistrel), **Brian Bird** (Libelle), **Mike Logback** (Phoebus), **Dave Wilkus** (SR), and **Steve Leonard** (BS-1) also flew. **Steve** made it to Alva and Arlington for a 300km flight. Local climbs around 7,500 ft with a few strong climbs in fire thermals.

August 20th: **Leah Condon** and **Keith Smith** had line duty. **Steve Leonard**, **Tony Condon**, **Mike Orindgreff**, **David Kennedy**, **Tim Double**, and **Dave Wilkus** all gathered. No towpilot. However, **Mike O** and **Dave Pauly** self launched and did not report much lift. Trigger time seemed to be about 4:30 PM.

August 26th: **Bob Blanton** towed. **Tony Condon** (K), **Paul Sodamann** (Betty Boop), and **Robert Estagin** (Ka-6) were among the first wave. **Mike Orindgreff** (F8) and **Dave Pauly** (Pipistrel) also flew. **Matt Gonitzke** gave a few friends rides in the Grob. **Steve Leonard** (KN) flew the Pratt/Harper triangle. **Tony** flew Kiowa/Kinsley and then landed at McPherson, chased by **Leah** and greeted by **Mike Logback**.

August 28th: **Bob Holliday** towed. **Jerry Boone** (K7) and **Tony Condon** (K) flew. **Jerry** went to Ashland and almost back. **Tony** went to Ness City, Hays, Russell, and barely made it back.

August 29th: **Bob Holliday** (RZ) and **Mike Orindgreff** (F8) flew. **Bob** did a lap of Wichita!

2017 Kansas Kowbell Klassic Results

1st Place: **Jerry Boone**, Applebay Zuni II, 93.8 Miles

2nd Place: **Keith Smith**, PW-5, 43.7 Miles

3rd Place: **Steve Leonard**, FJ-1, 27.8 Miles

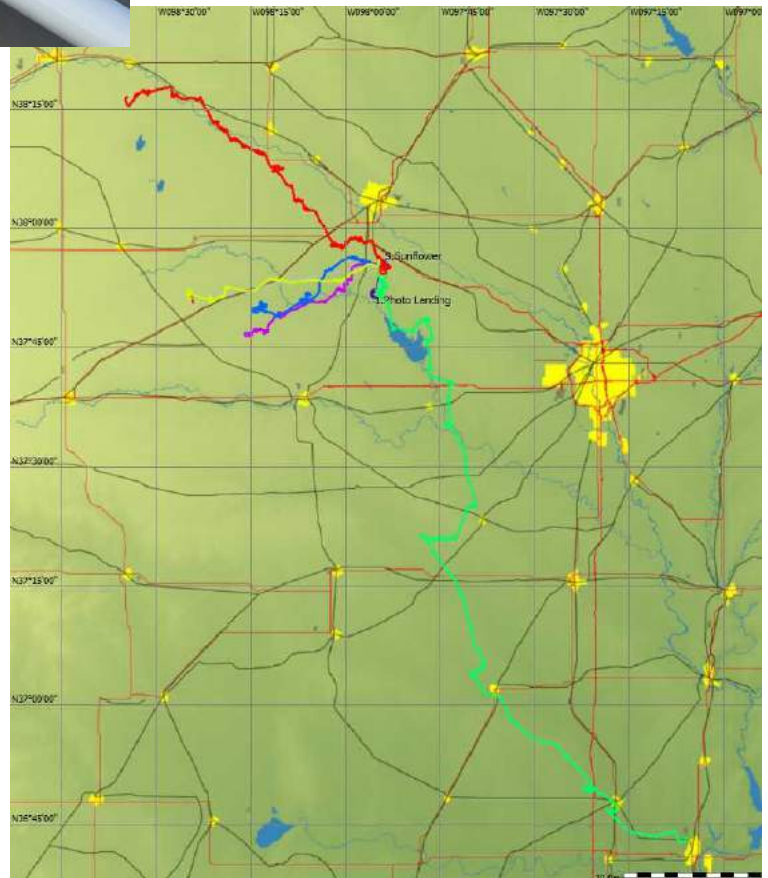
4th Place: **Brian Bird**, H-301 Libelle, 21.8 Miles

5th Place: **Jerry Boone**, Applebay Zuni II, 19.1 Miles



Zuni at Ponca City

2017 Glider Distribution



A PHOTO ESSAY ON KOWBELL 2017 ENTITLED:

“Kansas in July”

By **Keith Smith**



Notice the beautiful Cu, and then look deeper into the lack of blue sky. Birding enthusiasts should recognize the salty basin towards the horizon.



Someone thought this would put the PW-5 by a field access. Oops, just a high spot in the field.



No embedded soybeans, since the field was all brown. Maybe it was taller than it looked once I started to flare??



Look at those beautiful clouds! Oh the anguish of being on the ground. I am standing in the ditch.

Oh my gosh, 37.6 nm for 2:19 hours. And I am telling you – that 18.8 or so nm per hour was hard work! My one thermal did put me at 5457ft but that was the only really good one! The rest of the time I was much lower than my normal comfort zone. Oh, and some have asked why I chose to fly to the suck hole between the Bottoms and Quivera? My course line was north of the Bottoms and I just couldn't cross the gap between clouds. So, a couple of clouds lured me westerly.



"Kansas in July"

Ultimately Gregg Swanson called in a couple of volunteers and I unfortunately am not allowed to mention their names. Gregg pulled the trailer up through the ditch placing the trailer door/ramp into the field without chancing the RAV4 in the stubble and the potential for a huge fire. The sand was too soft to put down the trailer jack as it just dug a hole (note to self – bring a chunk or two of 2X6). Gopher, badger, fox, coyote holes to trip in – you name it I managed to stumble in it. So, some shined up gelcoat, lots of sweat and lots of back went into the load. Kowbell is an awesome event!

Maybe I should describe how the little green mustang kept flashing lights at us as we were returning to Sunflower? We did finally pull over after this went on for a couple of miles. What they was seeing was the trailer door hanging open and the tips of two wings and a rudder. Glad those bungees held!! The clasp retainer on the right side of the door had pulled the screws out and it just worked loose the left side then, without breaking it. So, we drove through Nickerson and a couple of miles further with the door down. Super Crew Gregg had some screws for a temporary fix and we went on down the highway and put Tinkerbell to bed.

Thank you Andrew, Mike and the rest of the crews for helping to fling us fools into the firmament above.

Firmament | Definition of Firmament by Merriam-Webster

Definition of **firmament**. 1 : the vault or arch of the sky : the field or sphere of an interest or activity

Kowbell Konsolation

Paul Sodamann (Betty Boop), **Michael Groszek** (Ka-6), and **Steve Leonard** (FJ-1), all attempted the Konsolation. **Paul** was the only one who completed his declared task, the WSA triangle, for 31.6 miles. Congratulations **Paul!**

Help Needed

Opportunities abound for you to pitch in and get a little more involved in KSA!

KSA plans to refinish the fuselage of the Grob this winter. This will start with sanding off the old finish as soon as we are done flying this fall and culminate in a fresh coat of paint in the spring. Regular work will be required to complete the project. **Bob Hinson** is the coordinator. Contact him at rhinson1@cox.net or 316-841-5561.

The EAA Fly-In is October 7th at Jabara. In the past we have supported this event with rides in the Grob. We need a Towpilot and Commercial Glider Pilot and probably a few more ground crew. Contact **Tony Condon**, abcondon@gmail.com or 515-291-0089 if interested.



Afternoon group of Cosmosphere campers from June 20th.

The 12th Great Plains
Vintage/Classic Sailplane Regatta
September 21-24, 2016
With cooperation from
The Vintage Sailplane Association &
The Kansas Soaring Association
at
Wichita Gliderport (37.765 N, 97.180 W)
Just NE of Wichita, Kansas

*Come join the fun, visit with friends & fly your
Vintage/Classic glider.*

Limited hangar space available, call!



Contact: Neal Pfeiffer (316) 641-9928 nealpfeiffer@sbcglobal.net
or Tony Condon (315) 291-0089 abcondon@gmail.com
or Harry Clayton (316) 644-9117 hclayton@pixius.net

Wichita Gliderport - 37.765 N, 97.180 W
13501 E 45th St N, 1-1/2 miles east of Greenwich on 45th St N

Wichita Gliderport

- *2600' & 4000' grass*
- *2000' tows are \$25*
- *Limited hangar space*
(we try to accommodate)
- *Some camping at field*
- *Very close to Wichita*
- *Rides can be arranged*
- *Schweizer 2-33 two-place glider for rent*



*Lunch options available at airport
Cookouts or local restaurants for dinner*

*Informal Soaring Seminar on Saturday Morning
Starting at 9:30 AM*

*Tell us you're coming & let us know if
you're bringing a glider!!!*

*If you can't bring a ship,
just come and have fun.*

*Motels: Search maps.google.com for 'Motels East Wichita, KS'
start along North Greenwich Road or Webb Road down to US 54
New La Quinta Inn & Suites Wichita Northeast at 2660 N. Greenwich Ct.
Is about 3 miles from Gliderport*

*Wichita Gliderport - 37.765 N, 97.180 W
13501 E 45th St N, 1-1/2 miles east of Greenwich on 45th St N*

54th

Annual



Admission
Adults \$5
Kids 0-17 Free

Oct 7, 2017
Gates Open
8am - 4pm

COL. JAMES JABARA AIRPORT

3612 N WEBB RD, WICHITA

DO NOT MISS ACTIVITIES



Young Eagle Flights → 2nd Annual Kansas Ercoupe Stampede → GPSK9 Search Demos
 F-4 Phantom Flight Simulators → Horseless Carriage Club → Radio Control Aircraft →
 South Central Kansas Mustang Car Club → Candy Drop → Youth Builder Activities →
 Helicopter Rides → Airplane Display and Judging → Flight Competitions → Glider Rides

SATURDAY, OCT 7 - FLY-IN SCHEDULE OF EVENTS

ALL DAY Hangar	SILENT AUCTION LOTS OF GREAT ITEMS TO BID ON!
8:00 - 10:00AM EAA Chapter Building	PANCAKE BREAKFAST \$5/ PERSON Pancakes, Eggs, Sausage, Coffee, OJ, & More
10:00AM EAA Chapter Building	TOWN HALL FORUM with FAA FAAST TEAM
9:00AM - 3:00PM Airfield	YOUNG EAGLES FLIGHTS Free Airplane Rides for kids ages 8 - 17 Registration Open 9:00am - 1:00pm in Hangar
11:00AM & 1:00PM Airfield	CANDY DROP FOR KIDS
11:30 - 2:00PM Hangar	LUNCH AVAILABLE FOR PURCHASE Hamburgers, Hot Dogs, Chips, Cookies & More
1:30PM Hangar	MANDATORY PILOT BRIEFING For All Flight Competition Participants
2:00PM Airfield	FLIGHT COMPETITION (\$50 CASH PRIZES) - ESTIMATED TAKE-OFF DISTANCE - SPOT LANDING
3:00PM EAA Chapter Building	TOWN HALL FORUM with "DOC'S FRIENDS"
4:00PM	GATES CLOSE

EAA CHAPTER 88 ANNUAL FLY-IN AWARDS BANQUET

SATURDAY NIGHT IN THE HANGAR

5-6 Social Hour (BYOB)
 5-7 Silent Auction & Drawings
 6-7 Dinner
 7-8 Key Note with Tom Carr
 8-9 Awards Ceremony
\$20/person in advance
\$25 at the door, \$10 Kids



Join Us!

Tom Carr
 Garmin International
 Chief Pilot & Chief Test Pilot
 formerly Chief Test Pilot
 at Beech Aircraft



THANKS TO OUR SPONSORS!



PILOT INFO

COL. JAMES JABARA AIRPORT (KAAO)
 ASOS 134.025 - CTAF 122.70 - WICHITA APP/DEP 134.8
 ELEV 1420 MSL - TPA 2220 MSL - RUNWAYS 16-36, 6101 X 100
 Midwest Corporate Aviation ph. 316.636.9700
 Questions Regarding Fly-in? Please Contact:
 Bill Lindsay dylansdad00@sbcglobal.net ph. 316.830.5988
 Bob Blanton juneblanton@hotmail.com ph. 316.683.9759
 Fuel Discounts Available - Flying In? Pilots Get in FREE!!



Website: www.88.eaachapter.org
 Facebook: WichitaEAAChapter88
 President: Bill Lindsay, Jr

RULES FOR KSA FLYING AWARDS, 2017

Unless otherwise noted, the following applies to all awards:

For definition of bold terms, refer to the FAI Sporting Code Section 3-Gliding.

Awards are to be made for SOARING PERFORMANCES with a START POINT in the state of Kansas.

On distance and speed flights, the maximum LOSS OF HEIGHT allowed is 1000 meters (3281 feet)

For sailplanes without a SSA handicap, a handicap will be established by the KSA Board of Directors.

If disposable ballast is on board at takeoff, any handicap will be further multiplied by .92.

Flight documentation shall be submitted in .igc format

Task Declarations may be electronic, written, or verbal

TURNPOINTS will be attained by entering an OBSERVATION ZONE

Wooden Wings

The Wooden Wings Trophy is awarded for the longest distance SOARING PERFORMANCE in a wooden winged sailplane. The task may be FREE DISTANCE or 3 TURN POINT DISTANCE.

If the COURSE is abandoned before all TURNPOINTS are achieved, the flight will be scored as the distance for the achieved TURNPOINTS, plus the distance to the next declared TURNPOINT, minus the distance from the FIX establishing a landing or starting of a MoP to the next attempted TURNPOINT, but not less than the distance to the last achieved TURNPOINT.

Mamie Cup

The Mamie Cup is awarded for the longest distance SOARING PERFORMANCE of the year. The task may be FREE DISTANCE or 3 TURN POINT DISTANCE.

If the COURSE is abandoned before all TURNPOINTS are achieved, the flight will be scored as the distance for the achieved TURNPOINTS, plus the distance to the next declared TURNPOINT, minus the distance from the FIX establishing a landing or starting of a MoP to the next attempted TURNPOINT, but not less than the distance to the last achieved TURNPOINT.

KSA Flying Horse (Silver)

The KSA Flying Horse Trophy is awarded for the highest speed achieved around a CLOSED COURSE with a maximum of two declared TURNPOINTS and OFFICIAL DISTANCE of at least 100km and less than 200km.

Dennis Brown Memorial

The Dennis Brown Memorial Trophy is awarded for the highest speed achieved around a CLOSED COURSE with a maximum of two declared TURNPOINTS and OFFICIAL DISTANCE of at least 200km and less than 300km.

KSA Flying Horse (Gold)

The KSA Flying Horse Trophy is awarded for the highest speed achieved around a CLOSED COURSE with a maximum of two declared TURNPOINTS and OFFICIAL DISTANCE of at least 300km.

Curt McNay Pilot of the Year

The Curt McNay Pilot of the Year Trophy is awarded for the best combined score in four tasks - DURATION (6 hours maximum), GAIN OF HEIGHT, Handicapped Distance, and Handicapped Speed. Each task will be scored from a different SOARING PERFORMANCE.

The Distance task may be FREE DISTANCE or 3 TURN POINT DISTANCE.

If the COURSE is abandoned before all TURNPOINTS are achieved, the flight will be scored as the distance for the achieved TURNPOINTS, plus the distance to the next declared TURNPOINT, minus the distance from the FIX establishing a landing or starting of a MoP to the next attempted TURNPOINT, but not less than the distance to the last achieved TURNPOINT.

The speed task must be a CLOSED COURSE with an OFFICIAL DISTANCE of at least 100 KM. However, a 3 TURN POINT DISTANCE of at least 200 KM may be used if you are flying a sailplane with a handicap of 1.36 or greater. In this case, a wind correction factor of 15 MPH will be subtracted from the achieved speed prior to scoring.

1000 points will be awarded the best performance in each task. Each contestant's performance will be ratioed according to the best performance in the task being evaluated. The sum of each contestant's scores will be compared, the highest being the winner.

Charles Henning Award

The intent of this trophy is to encourage more people to fly cross country.

- 1) The cross country task will be a CLOSED COURSE with any number of TURNPOINTS.
- 2) Handicapped Speed will be determined by the DURATION or 2 Hours, whichever is greater.
- 3) There is no limit on start or finish altitude.
- 5) TURNPOINTS may be any TURNPOINT published in the KSA Turnpoint File or a public use airport marked on a Sectional Chart.
- 6) The winner will be determined by averaging the two best tasks of the year for each pilot. The averaging will be accomplished by adding the two speeds and dividing by 2.

Lead C

Awarded to the pilot or soaring supporter who makes the most noteworthy non-achievement during the calendar year.

Praying Mantis

The Praying Mantis is awarded to the pilot who makes the most significant advance in his or her soaring ability during the calendar year. To be eligible for this award, the pilot must not yet have his or her Silver Badge at the beginning of the calendar year. The Praying Mantis selection committee consists of the KSA President, WSA President, *Variometer* Editor, WSA Chief Instructor, and the SSA State Governor for Kansas.

Towing Operations

The Towing Operations trophy is awarded to the person making the most significant contribution to the operation of the KSA Towplanes for the year.

Maintenance Trophy

The Maintenance Trophy is awarded to the person making the greatest contribution via maintaining equipment related to soaring flight during the year.

Submit flights at

<http://www.soarkansas.org/soar/scoring.aspx>

KSA SCHEDULE 2017

Date	Line Managers	Towpilot
Saturday September 2	Alex Hunt 785-224-6330 Kevin Ganoung 785-536-4540	Michael Groszek 206-412-285
Sunday September 3		Kirk Bittner 860-670-5544
Monday September 4	Dave Wilkus	Kirk Bittner 860-670-5544
Saturday September 9		Mark Schlegel 316-641-5093
Sunday September 10	David Kennedy 316-841-2912 Leah Condon 316-249-3535	Bob Hinson 316-841-5561
Saturday September 16		Paul Sodamann 785-456-5654
Sunday September 17	Steve Leonard 316-729-0356	Brian Bird 620-664-7844
Saturday September 23		Paul Sodamann 785-456-5654
Sunday September 24	Keith Smith 785-643-6817	KC Alexander 316-308-8498
Saturday September 30		KC Alexander 316-308-8498
Sunday October 1		Jerry Boone 620-474-4177
Saturday October 7	Matt Gonitzke 815-980-6944	Tony Condon 515-291-0089
Sunday October 8		Brian Bird 620-664-7844
Saturday October 14	Matt Gonitzke 815-980-6944 Kevin Ganoung 785-536-4540	Mike Logback 620-755-1786
Sunday October 15	Harry Clayton 316-644-9117 Sue Erlenwein 316-644-9117	Mike Logback 620-755-1786
Saturday October 21		Jerry Boone 620-474-4177
Sunday October 22	Keith Smith 785-643-6817	Bob Hinson 316-841-5561
Saturday October 28		Mike Logback 620-755-1786
Sunday October 29	Steve Leonard 316-249-7248	Mike Logback 620-755-1786

Need a Towpilot? Call **Dave Wellbrock** 214-507-9107

<https://www.brownbearsw.com/cal/ksa>

KSA TOWCARD

TOW NUMBER START TACH TIME

TOW PILOT _____

PILOT: _____

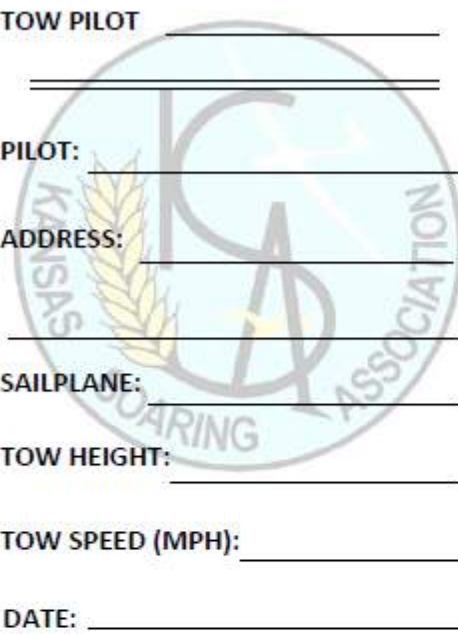
ADDRESS: _____

SAILPLANE: _____

TOW HEIGHT: _____

TOW SPEED (MPH): _____

DATE: _____



KSA TOWCARD

TOW NUMBER START TACH TIME

TOW PILOT _____

PILOT: _____

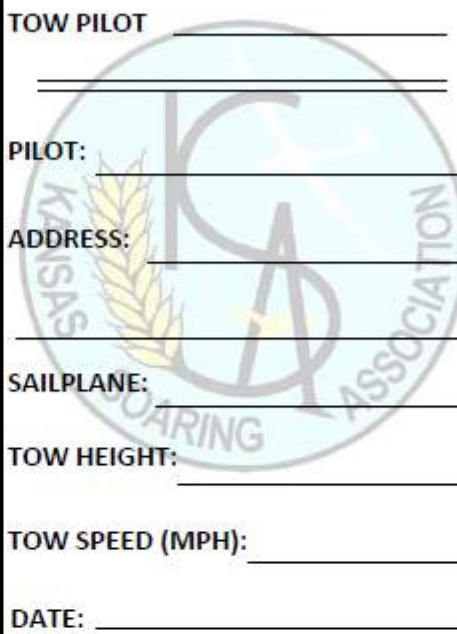
ADDRESS: _____

SAILPLANE: _____

TOW HEIGHT: _____

TOW SPEED (MPH): _____

DATE: _____



KSA TOWCARD

TOW NUMBER START TACH TIME

TOW PILOT _____

PILOT: _____

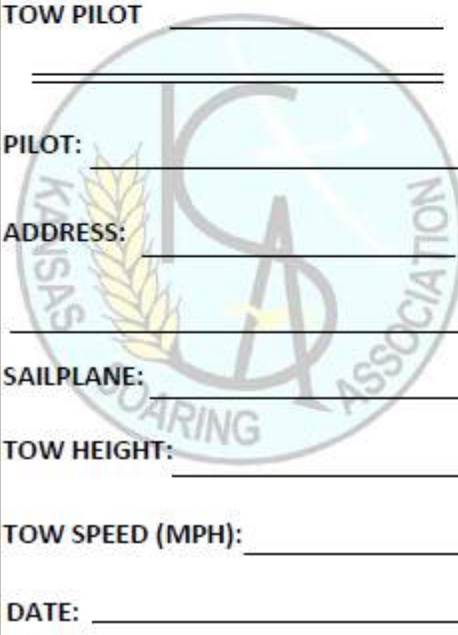
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SAILPLANE: _____

TOW HEIGHT: _____

TOW SPEED (MPH): _____

DATE: _____



KSA TOWCARD

TOW NUMBER START TACH TIME

TOW PILOT _____

PILOT: _____

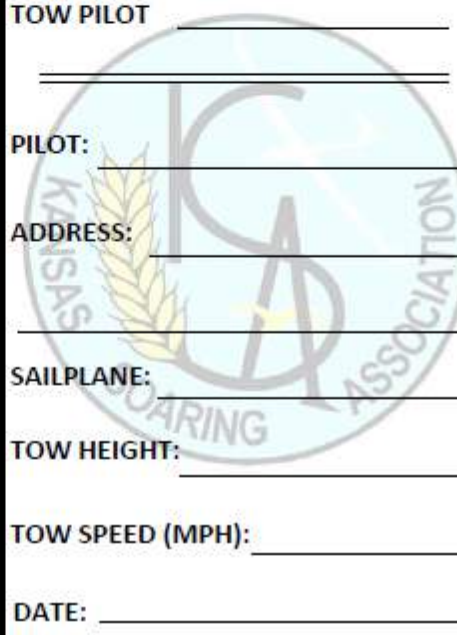
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SAILPLANE: _____

TOW HEIGHT: _____

TOW SPEED (MPH): _____

DATE: _____

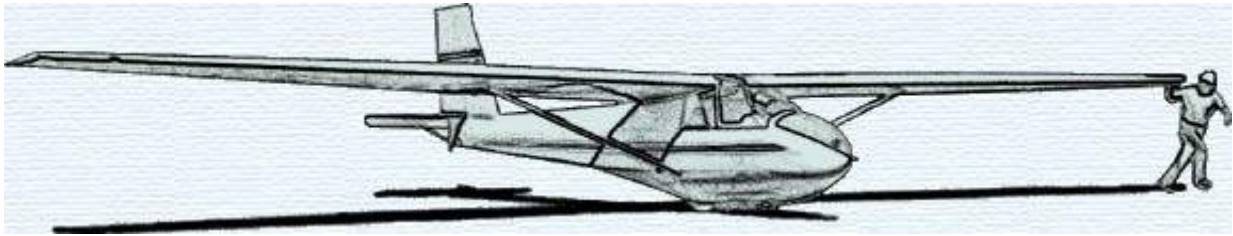


KSA VARIOMETER

911 N Gilman

Wichita, KS 67203

abcondon@gmail.com



KSA Meeting
September 9th - After Flying
Cookout at Sunflower