

## **American Meteorological Society (AMS) - St. Louis Chapter Meeting**

**Date:** Tuesday, October 18th, 2016

**Location:** O'Neil Hall, Saint Louis University

**Time:** Social Time: 6:00 - 6:30pm; Meeting Time: 6:30 - 8:00pm

Officers in Attendance:

- Vice President - Fred Glass
- Treasurer - Allison Wreath
- Secretary - Kyle Perez

Total Members in Attendance: 16

### **Old Business:**

- Date: May 31st, 2016
- Key Notes: 11 attendees, all of which paid \$5 dues and voted. Results of election were:
  - President - Meghan Danahey
  - Vice President - Fred Glass
  - Treasurer - Allison Wreath
  - Secretary - Kyle Perez
- Joint BBQ with the Metro St. Louis Storm Chasers Association on July 30th at Broemmelsiek Park in Wentzville
- Officers meeting on August 21st

### **Introduction:** Fred Glass

- Introduction and welcome to October 2016 meeting
- 3 Forms of communication to our members will be used
  - Local AMS facebook page, Local AMS website, and e-mail
- Decided on 2 meetings for Fall, and 4 meetings for Spring
- Discussed future events and potential ideas
  - Joint AMS meeting with Kansas City Local AMS in Columbia, MO, proposed by Mizzou Meteorology Club around April-May 2017, but due to severe weather potential may propose meeting around February of 2017; carpooling is an option
  - Bow Echo Workshop to take place March 9-10, 2017, refer to Local AMS website for more details
  - St. Louis Local AMS Emblem needs to be updated, may have a contest in which you submit a potential new logo for the chance to win a free dinner at a dinner meeting
  - Dinner meetings and snack meetings will vary in locations. Need RSVP system to know how many people to expect and what to bring.

- Proposed idea of having a fundraising raffle with the raffle prize being paid dinner at a meeting.
- Local AMS has been active in help judging local science fairs. Jim Sieveking will see if he can acquire some contact information if we decide to pursue this venture.
- Potential Speakers: We will continue to leverage people with ties to the immediate area. Allison will check the dates in which SAFB is providing SPC backup and potentially have the visiting SPC forecaster as a speaker. If you have any ideas or are willing to be a speaker then let me know.

**Treasurer Report:** Allison Wreath

- Current Bank Balances
  - Checking - \$1038.22
  - Savings - \$488.16
- Tax exempt papers for Missouri and Illinois are being filled out
- Need a letterhead before we can submit our tax exempt papers
- Checking account at Scott Credit Union has Allison's name and Ron Przybylinski's name on the account. We will be working to add Meghan to the account. Also, if a death certificate is needed for Ron, Fred will work on acquiring one and has asked Scott Truett to assist.
- Collected dues in the past have helped fund scholarships, science fair prizes, and Local AMS accessories
- If you did not get a chance to pay your membership dues at the October meeting, please send them to Allison Wreath
  - Allison Wreath  
618 Rain Hollow Drive  
O'Fallon, IL 62269

**Meeting:**

- Membership Dues for Fall 2016-Summer 2017 collected at the October meeting. The dues will be \$15.
- *Speaker:* Kevin Deitsch, Lead Meteorologist, NWS St. Louis. Kevin discussed The Historic Snowstorms of 2015: A Meteorological and Impact Comparison of Two Kentucky Snow Events within a Three-Week Period.
  - *Two Events:* February 15-16, 2015 and March 4-5, 2015
  - February 15-16 storm produced half of annual snowfall for KY in mostly one event. Snowfall totals were widespread across entire state of KY.
  - March 4-5 storm produced the heaviest 2-day snowfall in Lexington, KY. Banded snowfall produced a much narrow swath of heavier snowfall totals.

- *Impacts:* significant weather impacts, more prevalent with the February 15-16 storm.
- *Prior Research:* breaks potential winter storms in KY into 4 different pattern composites.
- *Comparing Two Storms:* The two storms differ in dynamic forcing and patterns.
  - Various Aspects that differ include jet streak placement/orientation, 500mb flow and trough placement, 700mb flow and frontogenesis, 850mb flow and temperature advection, and radar features of banding.
- *Conclusions:* Each storm differed in patterns and forcing mechanisms. Furthermore, each had differing travel impacts as well.

**Closing Remarks:** Kyle Perez and Fred Glass

- Kyle introduced Local AMS website <http://www.eas.slu.edu/Weather/AMS/> , giving a brief overview of website
- Next meeting
  - Date:* December 7th, 2016
  - Location:* Lotawata Creek Grill (311 Salem Pl, Fairview Heights, IL)
  - Time:* Social 6:00-6:30pm; Dinner 6:30-7:30pm; Meeting 7:30-8:30pm
  - Speaker:* Larry Jacobs, NWS Aviation Weather Center
  - Topic:* TBD