

## AMS/NWA MEMPHIS CHAPTER 27 SEP 2016 MEETING MINUTES

1. The President welcomed everyone for attending the first meeting for the 2016/17 school year.
2. Announcement for dues collection was given. The cost is \$10 for members and \$5.00 for students. Please see the treasurer.
3. Introductions of this year's officers and the current attendees were done.
4. The treasurer's report was given.
5. A review of the recent NWA conference in Norfolk was discussed, to include the GOES-R launching scheduled for later this year and changes with the North American Model (NAM).
6. The president announced the upcoming AMS National meeting in Seattle scheduled for January 2017.
7. The president asked if there was any other business that needed to be addressed.
8. Introduction to our guest speaker was given: Andy Chiuppi a Meteorologist Intern with the National Weather Service office in Memphis. The title of the presentation was "Nowcasting Winter Weather Events in the Midsouth Utilizing Aviation Soundings". Andy used the winter weather event from the 22<sup>nd</sup> of January 2016 to display how aviation soundings from flights that night were available to alert forecasters on the cooling of an elevated warm layer that signaled changes in winter precipitation types across the Memphis metro. He compared the near real time soundings with the scheduled 00z launches from both Little Rock and Nashville. The changes in the mesoscale in both time and space were significant, attending to how beneficial these aircraft soundings could be in accurately forecasting certain aspects of a winter event or capturing some lead time by changing an ongoing forecast. He also discussed the future hopes to not only utilize the soundings from FedEx aircraft but also from UPS and several commercial carriers noting that the information is money driven causing a big stumbling block. Andy also discussed how the sounding data would be beneficial during the convective season showing CAP strength, potential convective initiation times and the near real time storm updraft speed/intensity potential. After the presentation questions were addressed, such as "Is there anything in the works to get this data ingested into the current models?"
9. The meeting was then adjourned with a reminder that a fall lunch will be scheduled for the middle to end of October with the next official meeting planned for the middle of November.

Jim Branda, Secretary

Approved,

Tom Salem, President