

## AMS/NWA MEMPHIS CHAPTER 21 JAN 2014 MEETING MINUTES

1. The President welcomed and thanked everyone for attending the first 2014 meeting.
2. A call for dues of \$10.00. Please pay our treasurer Jim Branda.
3. The treasurer's report was given.
4. A reminder of the upcoming National AMS conference next month in Atlanta, GA.
5. An announcement that the University of Southern Alabama in Mobile is holding a weather conference in March, as well as Mississippi State's annual symposium in April. Please check their websites for the latest dates and details.
6. A question was asked if there was any other business to discuss. There were no responses.
7. Introduction to tonight's speaker Matt Reagan, a PH D. candidate from Mississippi State University in Starkville, MS. Matt discussed the GOES Mobile Sounding Project which has been funded and in operation since the fall of 2012. The project launches mobile soundings across the Midsouth on potential severe weather days and has a two-fold luxury. First, the plotted data is used to compare moisture and temperature profiles with nearby GOES soundings for significant study. Second, the plotted data is sent to the NWS Memphis WFO where it is captured and distributed via internet to surrounding WFO's and to the Storm Prediction Center (SPC). Matt showed the comparison data, from both clear air and cloudy day launches between the two, and then indicated their strengths and weaknesses. Surprisingly, both the temperature and moisture data in the planetary boundary layer (PBL) was closely comparable, whereas the moisture data above the PBL was not, but the temperature data was still useful. He also presented that the mobile soundings have been used operationally from SPC and the Memphis WFO in providing the best real-time/short term severe weather forecasts. Last, he stated that the project funding will go through the 2014 spring severe season; however the study will continue on for several more months.
8. After Matt's presentation several questions were asked.
9. Thanks was given to Matt.
10. Last the President then reminded everyone that next month will be our Winter Luncheon with a date TBD. Then, he wished everyone a safe trip home and the meeting was adjourned with light refreshments available.

Jim Branda, Secretary

Approved,

Tom Salem, President