

AMS/NWA MEMPHIS CHAPTER 17 JAN 2017 MEETING MINUTES

1. The President welcomed and thanked everyone for attending the winter 2017 meeting.
2. A call for dues of \$10.00, or \$5.00 if you are a student. If you haven't already paid please pay our treasurer Jim Branda, and as always donations for the scholarship fund are welcomed.
3. The treasurer's report was given.
4. Seattle is hosting the annual AMS meeting the 23-27th of January. Please see Tom Salem, President, if you are planning to attend for more details.
5. Our annual scholarship is fast approaching and we will be sending out the applications in our March meeting. In addition we will be looking for scholarship committee nominees to review the applications.
6. The president received an email for a research job opening at CIMMS in Oklahoma for an interested undergraduate student.
7. Introduction to tonight's speaker Tom Salem, the Science and Operations Officer (SOO) with the National Weather Service in Memphis, TN. Tom's presentation was on the latest launched GOES 16(R) satellite. Tom first described the history of weather satellites starting back in the late 1950's and the need for geo-synchronous satellites besides polar orbiting, in which the first launch of GOES took place in the mid 70's. With GOES only one ground station was needed to receive the data. Since 1974 we have had 15 GOES satellites in space up until the recent November 2016 launch of GOES 16. GOES 16 has 3 more channels, 4x the resolution and 5x the scanning speed of GOES 13, 14 and 15. It also has a lightning mapper and a space weather and solar imager. The NOAA goal is to launch three more satellites with these capabilities in 2018, 2019 and in 2024 allowing for a full geo-synchronous replacement package. Currently only two ground stations are in place to ingest data from two of the satellites. Tom then described the enormous product suite of the GOES 16 from the new and improved baseline products to the varied derived products that will significantly contribute to improved forecasts by all meteorologists. Last, Tom gave out websites open to the public for additional satellite knowledge and training. Please see the Chapter's homepage for these links. The presentation wrapped up with a few questions, such as "Is there a fog channel?" and "Can the satellite detect early signs of vegetation drought?"
8. The president gave a final thanks to those who attended, and reminded everyone that we will be having a winter lunch in February and our next official meeting will be in March.

Jim Branda, Secretary

Approved,

Tom Salem, President