

Highlights

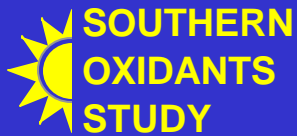
- Weather light at the end of the tunnel.
- Both Caribou and Helicopter fly today.
- P-3 flies Nashville area and Southern Indiana tomorrow.

Inside

- Upcoming SOS Meetings.
- Revised schedule for State and Local VIP visit.
- Nashville Farmer's Market.

The Daily Plan-it

*The SOS Field Study
Newsletter
Issue 13
June 29, 1999*



Words of Wisdom from around the SOS world!

Weekend Weather Update

After today's SOS Helicopter and Caribou flights, things look "iffy" for Wednesday and Thursday as the "short wave blues" continue, verily, to smite the local weather.

Nevertheless, not all the news is bleak since it appears that a high-pressure ridge may fill in across the region during the 4th of July weekend. Beginning Friday, the weather should be considerably less cloudy and warmer with high temperatures in the mid-90's and lows in the low 70's. With all the residual surface moisture after the past week (and next several days) of rainy conditions there will be a reasonable (20%) probability of connective activity and an isolated thunderstorm or two.



refueling a and return to Dickson at approximately 8:00 PM CDT.

At liftoff, the profiler at Dickson was showing persistent west northwest winds at about 5 kts throughout the boundary layer.

Today's Helicopter Flight

The TVA Helicopter will venture forth from Dickson Municipal Airport on its inaugural SOS flight this afternoon at 2:00 PM CDT. The Helicopter will make six traverses of the TVA Cumberland Steam Plant plume about 20 km southeast (downwind) of the plant at 1500 ft MSL. It will then proceed southeast and make three more plume traverses (about 70 km downwind) at 1500, 2000, and 2500 ft MSL. After landing at Maury County Airport to refuel, the TVA Helicopter will proceed further southeast for two more long traverses of the Cumberland plume (about 100 km downwind) at altitudes of 1500 and 2500 ft MSL prior to second

Both the **Helicopter** and the **Caribou** will be in the air simultaneously studying the dispersal of the Cumberland and Johnsonville plumes.

P-3 Plans for Tomorrow

The latest word from Michael Trainer suggests that the P-3 will be flying tomorrow to characterize both the Nashville area and southern Indiana.

The **P-3** will leave BNA at approximately 11:00 AM CDT. It will spend the first hour and a half of its flight characterizing the Nashville urban plume by completing a series of low level (1500 ft AGL) crosswind passes at 7 km increments upwind, over, and downwind of Nashville.

Completing the Nashville urban pattern, the P-3 will proceed north to Evansville IN at 10000 ft AGL. The P-3 will then descend to 1500 ft AGL and conduct a series of six 200 km east-west oriented legs approximately 18 km apart before returning to BNA at approximately 5:10 PM CDT. additional information.

Scheduled Meetings

Aerosols – Wednesday, June 30 at 2:00 PM

Scientists involved in the ground-based aerosol measurements will get together to discuss sampling schedules and compare data.

Science Team – Wednesday, June 30 at 8:00 PM

This group meets each week to get an update on the status of the measurements and to address any emerging issues.

Revised Visit Schedule

Milton H. Hamilton, Commissioner of the Tennessee Department of Environment and Conservation, several members of his staff, and Rob Raney, the Director of the Air Pollution Control Division of the Metropolitan Health Department, and Bill Colbert of Colemill Enterprises, Inc. (our Cornelia Fort Airpark hosts) will visit the SOS Nashville Field Study

on Thursday, July 1, 1999. The proposed schedule follows.

9:00 AM - Meet at the **Gassaway Building** (322 Knapp Boulevard) for a half-hour study overview by Field Study Science Director, Dr. Jim Meagher.

9:45 AM - Drive to **Signature Aviation** for a brief (half-hour) tour of the NOAA **WP-3D** "hurricane hunter" by Dr. Fred Fehsenfeld.

10:45 AM - Drive to **Cornelia Fort Airpark** for an inspection of the surface monitoring facilities by the site coordinator Dr. Eric Williams.

11:30 AM - Drive to the **Tennessee Laboratory Services** complex for a look at the Heidelberg Differential Optical Absorption Spectrometer by Dr. Jochen Stutz.

12:00 Noon - Proceed to **Satsuma Tea Room** for lunch.

1:00 PM - Proceed to **James K. Polk Building** for tour of downtown monitoring station by Dr. Ken Olszyna.

1:30 PM - SOS tour concludes.

Nashville Farmer's Market

By Jack Parrish

For the vegan in most of us, and especially for the 100% vegan in some of us, you don't want to miss the downtown Nashville Farmer's Market.

My family and I found it by accident Saturday morning while visiting the Tennessee Capitol building. It's next to the Bicentennial Mall at 900 8th Avenue North, NNW of the Capitol, with plenty of free parking when we were there. The peaches, watermelons, and tomatoes were at perfect ripeness, and we have had days of fruit salads including blueberries, strawberries, and blackberries. My boys highly recommend the white corn (they left me one-half of an ear out of the ten we bought). While I didn't have the courage to try one of the fine-smelling smoked pig's ears (even we hurricane hunters occasionally falter), it was cool to see how the lima beans and field peas were shelled by machine (sure beats my Grandma's back porch). There's a bakery, hot sauce shop, and several oriental spice kiosks there, too, but we blew our expendable funds on fresh fruit and produce. The Farmer's Market is open daily from 9 to 6, according to our tour guide, but from our view, Saturday morning looked mighty fine.

While you're there, take an uphill walk to the Capitol building. I had thought Andrew Johnson was such an unpopular president in his time that no one would have his statue, but there he is. And yes, you can make the replica of the Liberty Bell ring if you swing it hard enough (another tip from my boys).