

Highlights

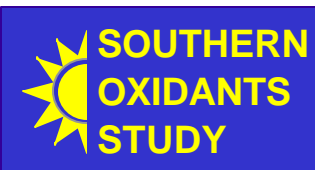
- Weather looks to be improving in late week.
- Caribou considering flight on Tuesday.
- Helicopter may sally forth, as well.

Inside

- Commissioner Hamilton to visit SOS field study.
- Upcoming SOS Meetings.
- Two part series - Ken & Bill's Excellent Adventure!

The Daily Plan-it

The SOS Field Study
Newsletter
Issue 12
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News to use from around the SOS world!

Whither Weather?

Today's moist and stable air will give way to a cold front pushing through from the north. If the front doesn't back up on us, it should provide us with an opportunity to study some west-northwesterly flows on Tuesday afternoon.

Caribou to Fly on Tuesday

The Caribou is planning a power plant plume study of either the Johnsonville and Cumberland power plants in western Tennessee or the Paradise plant in central Kentucky, depending on wind and cloud cover. Conditions. The aircraft proposes to take off at approximately 14:00 from John Tune Airport. *Primary Plan* - Weather permitting, the Caribou will fly to the Cumberland power plant, where it will begin flying 90 km downwind legs traversing the Cumberland and Johnsonville plumes. The grid will encompass six legs extending about 120 km downwind (anticipated to be southeast) of the plants. A four-hour flight at a flight level of 12,500 ft MSL is planned.

Alternate Plan - If cloud cover and winds are unsuitable, the Caribou will go further north to investigate the Paradise plume. The Caribou will fly

a single upwind leg, then conduct six transects of the plume downwind of the plant before returning to John Tune Airport.

Upcoming Meetings

Several groups have scheduled meetings at the Gassaway conference room to discuss topics of mutual interest and to take an early look at the data being collected. The following meetings are currently on the schedule:

Surface Measurements - Every Tuesday at 2:00 PM.

Scientists working at the ground sites will meet at the Gassaway conference room every Tuesday to discuss their measurements and resolve issues. The meeting is organized and orchestrated by Eric Williams, Ken Olszyna and Steve Bertman.

Science Symposium - Tuesday June 29, 3:30 PM

This meeting is primarily intended for the junior members of our team, but all are welcome. At the first meeting Jim Meagher, Fred Fehsenfeld and Mike Hardesty will provide an overview of the background, goals, and approaches for the Study.

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 - Every Wednesday 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.

Commissioner Hamilton



Milton H. Hamilton, Jr.
Commissioner

Milton H. Hamilton, Commissioner of the Tennessee Department of Environment and Conservation and several members of his staff will visit the SOS Nashville Field Study on Thursday, July 1, 1999. Mr. Hamilton's proposed schedule is as follows.

9:00 AM - Mr. Hamilton arrives at the **Gassaway Building** for a half-hour study overview.

9:45 AM - Arrive at Signature Aviation for a brief (half-hour) tour of the NOAA **P-3**.

10:45 AM - Arrive at **Cornelia Fort** for an inspection of the surface monitoring facilities.

12:00 Noon - Arrive at **Satsuma Tea Room** for lunch.

1:00 PM - Arrive at **James K. Polk Building** for inspection of downtown monitoring station.

1:30 PM - SOS tour concludes.

Ken and Bill's Excellent Adventure - Part 2

When we last left our intrepid adventurers, they were at Home Depot selecting a new air conditioning unit for the Polk Building. "Now remember" said Ken, "it can only be 24 inches wide by 14 inches high." "That's why we're gonna' buy some

two-by-fours," smiled Bill knowingly. The selected and purchased AC unit - the smallest adequate to the task - measured in at 24 and 5/8 inches by 16 and 1/2.

They proceeded to throw the unit in the back of Bill's pickup and, since it was slightly before 6:00 PM, decided to wait out the traffic at the Best Suites Happy Hour.



Loins girded, Ken and Bill proceeded to the Polk Building - the service elevator - and thence to the

utility penthouse wherein the stricken monitoring station lay. Bill removed the old AC framing, trimmed an additional 2 and 1/2 inches of sheet rock off the top and Oz - at Bill's instruction - fashioned two pieces of a two-by-four to a 24 and 3/4 inch lengths. Sweating like the pigs they are, and using a very large hammer (the metal wall studs were well entrenched) a series of prodigious blows were required to wedge the new two-by-four sill and header plates into position. "Those suckers will never come out - wedged as they are between two 24 inch OC metal studs" they exclaimed in unison. And low, it has come to pass that the new AC unit appears to be functioning just fine. Now if we can only find Martha Stewart to dress up the trim with a little designer duct tape...

All in all, a most enjoyable, and productive, evening.