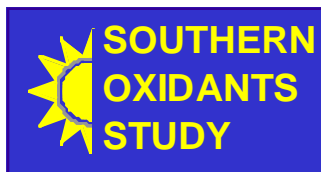


- Science Team Meeting Tonight at 8:00.
- No flights Thursday.
- Words of wisdom from Comelia Fort monitoring station.

- Profuse Apologies!
- Haute, or is that 'hot,' cuisine in Charlotte TN

The Daily Plan-it

The SOS Field Study
Newsletter
Volume 1 • Issue 7
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Transcendent wisdom from around the SOS world!

Science Team Meets Tonight

The SOS field study **Science Team**—and you know who you are—will meet tonight at 8:00 PM CDT (or 1:00 UTC for you meteorologists out there) to discuss interesting observations from the past week, provide an operational status report, and to consider upcoming activities. This 8:00 PM time was instituted to allow our minions (Olszyna, Bertman, Shepson, Apel, Imhoff) from the far western provinces (i.e. Dickson) to avoid Nashville rush hour and allow us to have dinner before the meeting. Just remember to keep your grog ration down to half a pint or less so that you aren't prematurely enfolded in the arms of Morpheus.

Meeting Agenda

1. **Status Report** (Roundtable update where everyone stands; all)
 - a. **Aircraft** (Fred, Carl, Michael, Bob)
 - b. **Dickson** (Ken)
 - c. **Polk** (Ken)
 - d. **Comelia Fort** (Eric)
 - e. **Profiler/lidars** (Michael, Bob, Christoph)
 - f. **NMHC Intercomparisons** (Jim)
2. **Weather** Update (Dick)

3. FTP Site/Data Format (Cathy/Fred)

4. Meetings (Fred)

- a. Specialty group meetings
- b. Science symposia

5. Other Issues

No SOS Flights Thursday

We have been put off by the weather! Dick McNider and Benjie Norris are doing a very fine job of predicting the weather but they are still falling quite short in the weather manipulation phase of the operation. Not to worry, however, as they have several more weeks to hone their skills. Hopefully, we can replenish the lack of June rainfall. Usually have about 4.5 inches in June but Nashville has only made it to 1.8 so far, so we could use a little precipitation. Remember that back in 1995 our ozone "episode" of July 11-14 was presaged by a rainy passage on the 4th and 5th of July.

Comelia Fort Science Meeting

By Jim Meagher & Fred Fehsenfeld

Eric Williams organized a meeting of scientists making gas-phase chemistry measurements at the Comelia Fort Air Park monitoring site. The meeting was held at the Gassaway conference room at 2:00 p.m. on Tuesday June 22. Each

experimental team gave a brief report on the status of their measurements and described interesting features seen in the data. Some of the highlights were:

- Thanks to the hard work of all, virtually all the gas phase measurements are up and running.
- The VOC intercomparison has been completed and the canisters collected are currently being analyzed (Atlas, Apel, Doskey, Lonneman, McClenny, and Young). This group will meet to discuss the results of the intercomparison on Saturday, June 26 at 2:00 PM in the Gassaway conference room.
- At first glance the various NO₂ measurement systems (*in situ* and long path) appear to be producing similar results. This group (Cohen, Williams, Daugherty, and Stutz) will meet Thursday, June 24 at 11:00 AM in the Gassaway conference room to conduct a more detailed comparison of their results.
- Armin Hansel reported some very interesting results from his proton-transfer mass spectrometer. This system is able to quantify a variety of aromatics, aldehydes, and organic nitrates with high time resolution (~10 sec). These data promise the opportunity to follow the chemistry of these very reactive

species with a degree of detail that has not previously been possible. Armin found good agreement with the aromatic measurements of his trailer-mates from Ohio University. Benzene, however, appears to be a problem.

- Jochen Stutz discussed his long path (DOAS) measurements. Most notable are his observation of nighttime HONO levels up to 2.5 ppb (obviously a significant early morning radical source) and NO₃ levels up to 120 ppt (the highest he has ever observed!). These measurements are key to improving our understanding of nighttime processes.

Cathy Burgdorf has arranged for an FTP server at NOAA to facilitate data exchange among the Comelia Fort group. Please contact Cathy or Eric Williams for more information. From now on, the Comelia Fort measurement team will meet each Tuesday at 2:00 p.m. at the Gassaway conference room to discuss results and resolve problems.

Profuse Apologies!

Bill Parkhurst, your **Daily Plan-It** Editor expresses his profound regrets and apologies to all members of the

SOS field study crew for turning over the reins of the **Plan-It** to Jim Meagher for Tuesday, June 22, 1999. Using the finely honed management skills that have made him a "living legend" in SOS, NOAA, and TVA circles, Jim proceeded to undermine the morale of the entire **Plan-It** staff (a.k.a. Cathy Burgdorf and Fred Fehsenfeld) and render them incapable of getting the **Plan-It** published.

We trust that such extreme measures will not again be required.

Dickson Food Review

By Steve Bertman

The arduous journey north from I40 through the town of Dickson is a monument to "Anywhere USA" and has all the appeal of food obtained and eaten so fast you forget whether you've eaten at all. The stretch of Route 46 heading to the SOS monitoring site near Cumberland Furnace has at least one of every fast food establishment in the country, so, were it not for the license plates, you might think yourself in New Jersey.

Thankfully, the SOS planning machine, in its infinite wisdom, located the Dickson monitoring site

far north of this culinary graveyard, and the transformation of land and eateries becomes more palpable with each mile. Out of the asphalt jungle into a land strangled with kudzu and roadkill, the road rises and falls around curves hiding isolated clusters of small homes and herds of black cows trying desperately to stay cool.

Shortly after leaving the Dickson city limits, you approach the small town of Charlotte (pronounced, depending on where you are from, either "SHAR-lit" or "shar-LOT"), county seat of Dickson County. It is here that you will find the local dining experience favored by the SOS Dickson site director, Ken Olszyna. Nestled into a dusty asphalt parking lot off Route 48N (across from the Amoco Station in a beige building with no sign), Molly's Country Café & Barbecue serves, according to Ken, "... BBQ that doesn't come back up on you later in the day." Portions are generous and prices are modest or, as Ken puts it: "big and cheap and good." We invite you all to visit us out here in Mr. Bowlby's pasture, and make sure you stop at Molly's for a meal you will remember eating.