

## Highlights

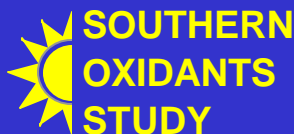
- Weather poor tomorrow, improving Friday.
- July 1<sup>st</sup> VIP Visit Schedule
- Observations from yesterday's helicopter flight.

## Inside

- Surface canister sampling experiment to begin soon.
- No flights tomorrow.
- Grade School Reunion & Don't Tick Me Off!!!

# The Daily Plan-it

The SOS Field Study  
Newsletter  
Issue 14  
June 30, 1999



## Transcendent wisdom from around the SOS world!

### Weekend Weather Update

After yesterday's successful Helicopter and Caribou flights, things continue to look "iffy" at best for late today and tomorrow as another short wave approaches from the west.

Things continue to look good for the weekend with greater and greater certainty that a high-pressure ridge will fill in across the region during the 4<sup>th</sup> of July weekend. Friday's 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 today and tomorrow) of rain there will be a reasonable (20%) probability of connective activity and an isolated thunderstorm or two.

### July 1<sup>st</sup> VIP 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** - Assemble at the **Gassaway Building** (322 Knapp Boulevard) for a half-hour study overview by Field Study Science Director, Dr. Jim Meagher.

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

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

**11:30 AM** - Proceed 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.

### TVA Helicopter Notes

By **Bob Imhoff**

Yesterday's TVA Helicopter flight went well. It was mainly a shakeout flight to give our procedures and equipment a real test under field sampling conditions before the expected good "ozone/fine particle" conditions this weekend. There was also the expectation that some interesting data would be collected. We observed a very low reactivity day with rapid dilution of the plume. Our flight did coincide with the Caribou (airborne lidar) so we have *in situ*



measurements of what they were sensing from above. Here's a summary of the flight.

- We took 5 cross plume traverses at 10 nautical miles(nm) from CUF at 1500 and 2500 ft MSL.

- We took 2 cross plume traverses at 36 nm at 1500 and 2000 ft MSL. The peak NO<sub>y</sub> was about 5 ppb above background with no ozone bulge discernable in the in-flight plots.

As you might expect, the shakedown revealed both our strengths and weaknesses which we

will work to resolve during planned “down-days” today and tomorrow.

## Canister Sampling Experiment

Under the watchful eyes of EPA’s Bill Lonneman, and with the assistance of the Tennessee Division of Air Pollution Control Tennessee, the Nashville/Davidson County Metro Health Department, and a few SOS folks, the SOS Field Study will collect evacuated SUMMA canister samples at six or seven sampling locations across the Nashville Metropolitan area.

Tentatively selected sites include the downtown (Polk Building) and Cornelia Fort SOS stations, Trinity Lane and Percy Priest stations (operated by the local program), and the Hendersonville station in Sumner County (operated by the State) and two “locations to be named later,” probably Centennial Park and Mt. Olivet Cemetery.

Stay tuned for more on this study later.

## No Flights Tomorrow

The SOS airforce will have a down day tomorrow while marshalling their resources and sharpening their skills and weapons for an all out assault on the 4<sup>th</sup> of July weekend.



## A Blast from the Past!

**By Joanne (Parrish) George and Bill Parkhurst**

*Joanne’s Story* - When I arrived here at SOS and heard the name Bill

Parkhurst, it brought back memories of grade school at David G. Farragut Grade School in Joliet, Illinois - as I had a classmate there by the same name. It seemed highly unlikely that it could be the same person. However, as I don’t remember hearing the name Parkhurst at all since that time, I figured it couldn’t hurt to ask Bill if he was indeed my classmate - and I was really surprised when it turned out that he was!

It seems that Bill is able to remember more from those times than I. We were in the same school from kindergarten through junior high, and in the same class most years from kindergarten through 6<sup>th</sup> grade. As a very timid little girl, I was never one to hang out with any of the boys back then. The strongest memory I have of Bill is sitting behind him during 6<sup>th</sup> grade. The teacher we had that year (Mr. Dinoffri) seated us alphabetically, and my last name was Parrish. We were seated near the back of the room as I recall, and I think we did more whispering during class than we should have (very likely). Mr. Dinoffri also insisted on calling everyone by their formal names, and I do remember thinking that calling Bill “William” just didn’t seem to fit. I also recall that Bill was just basically a nice guy - and after all these years, he is still going by Bill, and still a nice guy. It is fun to have had a bit of unexpected “back home week” here in Nashville.

*Bill’s Story* - Wow, talk about surprised. Interestingly, I did see Joanne’s name in the long list of NOAA folks supporting SOS, it didn’t seem likely that she was that Joanne Parrish, I mean, we already had lots of Parrishes, so what’s the probability? But - as has been brought home to me on several occasions this past year - some times the long-shot comes in.

I remember Joanne as a quiet, kind, and studious classmate. She lived

about three houses down from the school and I remember thinking how great it must be to live near the Roth School Store - a Farragut institution. She could get candy any time she wanted. She even kept track of some of our other classmates through the years - twins Cindy and Debbie Gurney and Karen Kruger. Thanks so much, Joanne for allowing us to revisit those dim & misty halcyon days of yesteryear. (1955-1965). It’s been **so** good to see you. When is the last time that any of you thought about your grade school class?

## Don’t tick me off!!!



According to the Ohio State University Acarology Laboratory, here is what you should do when removing ticks (including the beautiful *Dermacentor andersonii* [Rocky Mountain Wood Tick] above). Remember, that while not common, both Rocky Mountain Spotted Fever and Lyme Disease are found in this part of the country.

1. Avoid handling ticks with uncovered fingers; use tweezers or commercial tools designed for removal. If index finger and thumb must be used, protect them with rubber gloves, plastic or even a paper towel.

2. Place the tips of tweezers or edges of other removal devices around the area where the mouthparts enter the skin.

3. With steady slow motion, pull the tick away from the skin or slide the removal device along the skin (read the

directions for each commercial tool). Do not jerk, crush, squeeze or puncture the tick.

4. After removal, place the tick directly into a sealable container.

Disinfect the area around the bite site using standard procedures.

5. Keep the tick alive for a month in case symptoms of a tick-borne disease develop. Place it in a labeled

(date, patient), sealed bag or vial with lightly moistened paper towel then store at using standard procedures.