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From : Al Young <[REDACTED]>
 To : [REDACTED]
 Subject : Re: IOM report released
 Date : Sat, Mar 08, 2008 06:02 PM

Paul, I get along just fine with David Butler. I have no idea what Nate is talking about. I've been sharing materials with David the last few weeks. I would encourage you to meet and have a drink with David. He is going to be important in any follow-up research on the RANCH HAND cohort.

Actually there are 75 dioxin isomers:

No. Chlorine atoms	No. possible isomers	acronym
1	2	MCDD
2	10	DCDD
3	14	T3CDD
4	22	TCDD
5	14	PCDD
6	10	HCDD
7	2	H7CDD
8	1	OCDD

Typically we find 17 isomers persisting in the environment that can be detected in blood serum. Herbie Orange had predominantly the 2,3,7,8-TCDD, but also trace amounts of the penta, hexa, and hepta. Trace amounts were not analytically significant, i.e., we could only find them in Orange if we were looking at the very low ppb. Schechter's serum data from Vietnam has all 17 isomers and can be related to those isomers generated by burning of chlorinated municipal wastes. They likely enter the body via eating fish containing the isomers.

Most Americans have many of the persistent isomers. Typically, the US population today has levels of 2,3,7,8-TCDD in the 3-5 ppt, down from the 1970s.

Hope this helps.

Best regards,

Al

p.s., I suggested we meet in Austin!

In a message dated 3/8/2008 3:53:34 P.M. Mountain Standard Time [REDACTED] writes:

Al:

Nate asked me to call him. It was so he could tell me that Butler doesn't like you and is in bed with the Stellmans. He doesn't really want me to talk to him. Not sure what he expects from my attendance at the symposium. He indicated that he plans another meeting in Denver later on. The clients will pay for the Service HERBS Tape copy and I will send it to him and any info I get from it that indicates inaccuracies. He said he didn't remember ever having a copy of it.

Do you remember an article that listed all the different kinds of dioxin discovered so far (I seem to remember 43) and the average amount of exposure an American civilian already has?

Paul

PS: The reason for the confusion on whether they were going to support me at Lubbock was that Nate called me and left message on my cell phone (which I never turn on except for when I am on the road).

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