next 5 or 10 years there was continual rapid improvement in the speed that could be obtained through larger level integration as well as circuit sophistication. One would hope that starting from that same primitive point today there is a great future for gallium arsenide. That's one of the reasons for my excitement in getting started now at the earliest possible time with this new technology.

Another interesting aspect of this which I found appalling, is that in looking around for a second vendor, this was 2 or 3 years ago and it's still true today, there wasn't anybody else interested. This little group at Gigabit Logic was the only one that really wanted to fool around with this sort of stuff. I went to all the companies that I'd worked with for many, many years: TI, Fairchild, Motorola, and they all said, "We've got a big investment in our silicon production facilities, and gallium arsenide just doesn't fit in that so we really don't want to get involved right now." If you think about it, that's kind of a sad story. But the happy side of it is there are people who will start new little companies like Gigabit and will take new risks that bigger companies won't take. This is a message for us. We do want to keep taking risks as we get bigger because otherwise you miss opportunities that might be really important.

What I'd like to do today is bring you up do date on where the CRAY-3 program is. I'll show you a few slides that may not be of any interest, and then I'll look for some suggestions as to subjects that might be of more interest to you than these hardware circuit things that I like to do.

First of all, the CRAY-3 status. I think you all know something of the program. You may not have followed it the last year. In January and February 1988, I thought we were making very good progress in Chippewa Falls on our CRAY-3 project. We were beginning to assemble electrical modules that were beginning to work. There were a number of production and engineering problems that seemed difficult, but it looked like we were making good progress. Then things seemed to plateau. March, April, May, and June went by, and things looked to me like we weren't making much progress. Something had to be done. Everyone seemed to be working as hard as they could work, everybody was trying as hard as they could try, but something was missing. I don't know what that was, but whenever that situation occurs, I want to take some sort of action. I talked about drastic action for about a month and then I put it together with something else I wanted to do, which was to get the company a somewhat broader base in manufacturing, beyond Chippewa Falls. Those two things put me off on an airplane going west. I