

1 hope that Jefferson County will not have that burden. I'm strongly opposed to
2 the new tower being constructed. I do not wish to have another brain tumor
3 statistic. Thank you.

4 SHEEHAN: Thank you sir. Penny Maller.

5 MALLER: My husband's going to speak. He's on the list down
6 a little.

7 SHEEHAN: Okay. He's listed right after Virginia Wharton.

8 Virginia Wharton? Okay, your husband then, Jim.

9 LAWRENCE: That should be our last one.

10 SHEEHAN: And I think you're going to be our last one for the
11 day.

12 MALLER: I'm not sure whether it's good to be the last today or
13 the first next week, but my name is Jim Maller, M-a-l-l-e-r. I live at 21770
14 Cabrini Boulevard in Paradise Hills, Golden. So I wear a couple of hats here.
15 Besides being a home owner, I'm a professor of Pharmacology at the CU
16 Medical School. I'm also an investigator at Howard Hughes Medical Institute.
17 Those of you who haven't heard, the Hughes Institute is one of the premiere
18 research institutions in the country and the president is Tom (inaudible) who's
19 the only (inaudible) in Colorado. I have over 150 (inaudible) publications in the
20 area of cell cycle in cancer biology, so I just want to touch briefly what happens
21 to cells when they are exposed to radiation of various sorts. Basically what
22 causes cancer are defects in the cell cycle. The cycle is when cells replicate for
23 DNA and segregate it at mitosis. And so what stops cells from cutting out there

1 properly are breaks in the DNA. And one single break in billions and billions of
2 (inaudible) or DNA is enough to stop the cell (inaudible). And there's quite a bit
3 of evidence that low frequent radiation produced all those (inaudible) breaks.
4 The analogy that I think makes some sense is to think about 10 years ago when
5 we first heard about second hand smoke from tobacco. This was ridiculed as an
6 absolutely ridiculous idea that there could possibly be any effect of second hand
7 smoke and it took a 15 million dollar study by the EPA to actually prove that
8 there are tremendous effects from second hand smoke and in fact this is why we
9 have smoking bans in many cities around the country. And I read a study
10 recently in a journal where there's now methods to demonstrate that 30 minutes
11 in a bar that's full of people smoking is enough to make your platelets slightly
12 more sticky, slightly more susceptible to clotting. So this is where we're at really
13 with low frequency radiation. We're just on the low end of the curve
14 investigating exactly what the molecular details are and how it works and what
15 kinds of damage it can produce at the levels that Lake Cedar proposes. So I
16 know it's been a long day so I'll just echo that this health risk is not something
17 that's just sort of a vague anxiety factor, it's the leading edge of research in
18 molecular biology of cancer and I think on that basis, you should definitely vote
19 no to the Lake Cedar proposal. Okay, I can answer any questions if you have
20 any.

21 SHEEHAN: Thank you.

22 MALLER: It's been a long day.