

1 CARNEY: I would ask that the CARE speakers that I have been
2 in contact with all come forward and be ready to present. There has been a
3 request by a representative from the Colorado School of Mines not part of
4 CARE. He does not feel well. He asked if he could interrupt our presentation to
5 quickly give his. I understand it's very short. If it's all right with you all it's all
6 right with us.

7 SHEEHAN: It's your presentation, time allotment. Again state
8 your name, the last name. Spell your last name and provide your address for
9 the record. Have you sworn in?

10 OLHOEFT: Yes.

11 SHEEHAN: Okay.

12 OLHOEFT: Gary Olhoeft, O-L-H-O-E-F-T. I live at 1818 Smith
13 Road in Golden and I work at Colorado School of Mines, 1500 Illinois Street in
14 Golden. And I provided you with this morning with three letters. We're a little
15 uncomfortable here. In 1999 I came and made a presentation as a faculty
16 member and then we had a considerable discussion about what the State of
17 Colorado should be doing in a County hearing because we're a Colorado state
18 institution and then until 4:00 o'clock yesterday afternoon we were still
19 discussing that and this letter that you have on the top of the stack from John
20 Trefny the president of the school addresses that concern by saying we will not
21 take an issue position on the towers but we'll tell you what our concerns our and
22 how they impact us. He also says that he has the greatest respect for the
23 technical understanding of the faculty and encouraged them to testify

1 accordingly. The second letter that you have is from Phil Romig, the dean of the
2 graduate studies and research which expresses concerns about the health of
3 our graduate students some of whom live in Lyons Park which is only a few
4 hundred meters from the tower location so they're going to be very well into the
5 zone of intense radiation and suggests things that we should do to mitigate that
6 should go through as well as what might be done now with the existing towers
7 that are there. The third letter is from me as a professor of geophysics. I should
8 point out Phil Romig is also a professor of geophysics as well as Dean and the
9 president of the school is also a professor of physics so we understand the
10 technical issues quite well. I'm not going to read these entire letters to you. I
11 just...I've already entered them into the record. I'd just like to summarize the
12 comments and make this fairly quick. One of the things that concerns me is
13 interference, especially things that interfere with my ability to research and to
14 teach on the campus. I made this same expression in 1999 because the
15 existing facilities on Lookout Mountain broadcast enough energy that they
16 interfere with what we're trying to do on campus. At the base of the mountain,
17 between the base and Sixth Avenue, south of 19th Street we have what we call
18 the survey field where we teach various field numbers and measurement and
19 how to survey. One of the chief tools of surveying today is the global positioning
20 system. You take the global positioning system that is wide area enabled like
21 the airlines use and you take it well out into the plains east of here you can get
22 two foot accuracy very readily, very quickly. As you bring it closer to Golden the
23 accuracy deteriorates dramatically. On the survey field it's 15 to 20 feet

1 typically. If you walk right up near the towers it's 75 feet and that's because of
2 the radio frequency interference to the global positioning system from the
3 existing broadcast facilities. You find this in most major cities to be a problem.
4 The FCC and the Department of Defense are right now trying to figure out what
5 to do about it because it's interfering not only with what they try to do, what I try
6 to do but the E911 system which allows you to locate cell phones. So there's a
7 real problem with positioning. It also interferes with one of the techniques that I
8 try to develop and do research with which is used to find utilities. I also
9 mentioned this in 1999. This technique does not work well in the Golden area.
10 In particular it has a hard time finding plastic pipes. You may remember last
11 November on election day a house in Golden blew up. It was near the base of
12 Lookout Mountain and it blew up because Qwest was trying to install a new
13 telephone line, went underneath a driveway, hit a plastic gas line. The gas went
14 into the house and the house blew up, 15 minutes it was totally gone. It was
15 pretty spectacular TV coverage for that. They said at the time on the TV that
16 that could not have been prevented. It probably could have been prevented
17 anywhere else because the technology works quite well to find those plastic
18 pipes. It does not work well in the vicinity of Lookout Mountain because of the
19 transmission interference. If the broadcast levels go up that area will expand
20 and more people will be exposed to a health safety hazard from excavation
21 damage which we cannot prevent because we cannot the lost utilities
22 underground that people don't remember where they are any more. When you
23 hit a plastic gas main it blows up. There have been several spectacular

1 incidences in the Denver area in the last five years. I just point out that one in
2 Golden. I'd also like to make a comment which I do in the last paragraph of my
3 letter that since I live here I'm worried about the health effects. There's been a
4 lot of discussion of that. I'm going to give you a copy of a book I bought this
5 spring. This was published this year and just read one quote out of it that sort of
6 summarizes what was just done in the video. "There is more than sufficient
7 evidence of chromosome aberrations, DNA strand breakage, altered oncogene
8 activity and neoplastic transformation of cells to conclude that EMR across the
9 spectrum from ELF to RF/MW is genotoxic. This is independently confirmed by
10 the established biological mechanism of calcium ion efflux and melatonin
11 reduction. Genotoxic substances cause cancer, reproductive health effects and
12 neurological damage." I think that's pretty well concluded. This book has
13 contributions from the U. S. Army, the U.S. Air Force and the U.S. Navy as well
14 as a variety of universities and people from around the world and has a
15 summary at the end from the World Health Organization that tells you there's a
16 real problem here. I'll let you have that. Thank you.

17 CARNEY: Mr. Andy Beck? Mr. Hislop after that. Sr. Bernadette
18 after that.

19 BECK: Good afternoon. My name is Andy Beck, A-N-D-Y-
20 B-E-C-K. I live at 324 Park Circle on Lookout Mountain. I have been told to give
21 you my credentials. I am not particularly comfortable tooting my own horn but
22 as KOA talk show host Mike Rosen says, "it will give you a sense of where I sit
23 before you learn where I stand". I'm a licensed architect whose entire