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## 1 A F T E R N O O N S E S S I O N

2 PUBLIC COMMENT

3 PROFESSOR CHARO: I would like to introduce  
4 myself. I am Alta Charo.

5 While we get Trish Backlar and Rhetaugh Dumas  
6 reconnected, and while the remaining Commissioners get  
7 back from lunch, let me just note that there were no  
8 people who appeared to testify during the public  
9 comment session but let me just check again if there  
10 was anybody that did want to testify during the public  
11 comment period.

12 If there had been, this would be a great time  
13 to identify yourself.

14 Great. Okay. If you would please come  
15 forward to one of the microphones, sir.

16 PROFESSOR CAPRON: He is for the next panel.

17 PROFESSOR CHARO: He is -- that is Dr. Kahn,  
18 who is going to be speaking on our next panel. So,  
19 please, if you would come forward to a microphone, give  
20 us your name, and if you have an affiliation, give us  
21 your affiliation as well for the transcript, please.

22 And if I can just remind you, although there  
23 is not a crush here, the usual rule is that we ask  
24 people to limit their remarks to five minutes and we  
25 ask you to present anything you like in writing at any

1 length.

2 DR. WEINBERG: I came here as a spectator and  
3 a person with many years of experience as a chairman of  
4 an institutional review board for a major hospital in  
5 Southern California.

6 My name is Dr. Weinberg and I came as a  
7 Chairman of the Glendale Adventist Medical Center.

8 The thing -- I was very impressed with the  
9 deliberations today and I did not know what to expect  
10 and it was a very impressive demonstration.

11 The thing that disturbed me, though, with  
12 apologies to you, and the comment that this gentleman  
13 made is that I find it difficult to tie biomedical  
14 ethics to women's liberation. I think it complicates  
15 it unduly. If you are going to tie -- and I am for  
16 women's liberation. Ask my wife.

17 But there are places in the world with --  
18 where regardless of how you personally feel about it  
19 and regardless of how the educated element in that  
20 society presents their stance, women are chattel.  
21 Their husband effectively owns them. In those areas  
22 often the medical and biological problems are most  
23 apparent and certainly deserve to be an area of  
24 research and to be an area which is gender-free  
25 research.

1           However, I do not feel that the research  
2 organizations should be required to predicate their  
3 entry into that area with a philosophical idea of a  
4 respect for person. Respect for person has many  
5 meanings.

6           I could not be more against the idea of an  
7 institution or an organization or a drug firm going  
8 into an area and approaching the owner of the ladies,  
9 and many times it is plural, and telling him that if he  
10 supplies the subjects he will be rewarded for them.  
11 That to me is a form of soliciting prostitution.

12           On the other hand, with respect for their  
13 situation, it seems only appropriate that the husband  
14 or the spouse or the village elder, whoever it is, be  
15 included into the decision making. They should be  
16 informed but they should be promised nothing. In other  
17 words, the restriction on research in that area rather  
18 than gender associated should be spelled out so that no  
19 -- there would be no reason for them to accept or  
20 proffer their chattel for remuneration. That should be  
21 spelled out. Companies should not go in there and say  
22 to the husband or the head man I will pay you so much  
23 if you deliver your wives. That would be wrong and I  
24 think that is more important a consideration than  
25 forwarding the cause of women's lib. It reminds me of

1 a rider on a tax bill that has nothing to do with  
2 taxes.

3 Thank you for your time.

4 PROFESSOR CHARO: Thank you.

5 Are there any people -- before you leave, Dr.  
6 Weinberg, any members of the Commission who would like  
7 to direct comments to Dr. Weinberg?

8 Okay. Thank you very much. We appreciate it.

9 DR. WEINBERG: Thank you.

10 ETHICAL ISSUES IN INTERNATIONAL RESEARCH

11 CHAPTER 2 - INFORMED CONSENT (continued)

12 PROFESSOR CHARO: Next -- although it is not  
13 on the schedule, we are going to return briefly to  
14 Chapter 2 from the International Report. Dr. Capron --  
15 Professor Capron will continue the discussion on that  
16 before we then move on to the scheduled business for  
17 the afternoon.

18 PROFESSOR CAPRON: Just so that we can provide  
19 staff with a further input, I wanted to see whether the  
20 sense that Recommendations 9 and 10, which suggest  
21 first that it would be useful to consult with community  
22 representatives for learning creative and innovative  
23 ways to communicate necessary information and then,  
24 second, Number 10, that researchers should devise means  
25 to ensure that participants do, in fact, understand the

1 information, that those are unexceptionable from our  
2 viewpoint. They are ways of elaborating on the  
3 requirement of getting informed consent.

4 Does anybody have any amendments or  
5 disagreements with those recommendations?

6 All right.

7 Recommendation 11 is the one --

8 (Technical difficulties.)

9 PROFESSOR CAPRON: Eric said that having had a  
10 conversation he would fill us in on what that comment  
11 means.

12 DR. MESLIN: Just very briefly, the -- I do  
13 not have my text in front of me or even my notes to --  
14 someone has 11 -- do you have a -- yes.

15 The phrase "researchers should develop and  
16 implement a process of community education and  
17 consultation to take place before, during and after the  
18 research" struck Harold as potentially being a very  
19 large obligation, the scope of which was undefined. So  
20 his question was one of scope rather than of substance.

21 What would that involve? How long would it  
22 occur and the like?

23 Now, of course, in Ruth's absence, she cannot  
24 speak to this directly but others --

25 PROFESSOR CAPRON: No, but she said she was

1 going to listen to the tape or the transcript.

2 Steve?

3 MR. HOLTZMAN: I had a very similar concern  
4 because I found myself writing "researchers should, if  
5 necessary and useful, to engender," and then I found  
6 myself with a blank.

7 And then, of course, if we fill that in  
8 appropriately, we will be fine and we will all agree  
9 with it.

10 (Laughter.)

11 PROFESSOR CAPRON: So where do you want to go  
12 with that observation? Do we want -- is it a matter of  
13 refining it more as to a process -- such process as is  
14 necessary to enable potential subjects to make choices  
15 or is that too broad? Or is that at least some of a  
16 restriction from a general language about education and  
17 consultation? Is this an important point or is this  
18 just sort of a commentary on another point?

19 Bill?

20 MR. OLDAKER: I did not -- if this is additive  
21 to the consultation that has to be done with the  
22 subjects themselves then I am not sure we really need  
23 it. It seems to me that there is an ethical  
24 responsibility to consult with the subjects and to  
25 explain during, before and after certain things to



1       them.

2                   I do not know what in addition one would be  
3       telling the community leaders other than what one would  
4       be telling the subjects themselves.

5                   And so, you know, if that is what we are doing  
6       and we are saying this is additive and you have to tell  
7       the community leaders what you are telling the  
8       subjects, then my question would be, you know, as to  
9       the rights of privacy and in some areas as to the  
10      subjects, and how far we want to go with that.

11                  And so that is why I was a little perplexed by  
12      it.

13                  PROFESSOR CAPRON:  Yes, I did not understand  
14      this to be community leaders but the community from  
15      whom subjects would be drawn is I think the idea.

16                  MR. OLDAKER:  And I am not sure who that is if  
17      it is not the community leader.  Now if it was the  
18      health minister, I can understand us saying that you  
19      had to consult --

20                  PROFESSOR CAPRON:  Oh, I see.  It is the word  
21      "consultation."

22                  MR. OLDAKER:  Right.

23                  PROFESSOR CAPRON:  Yes.

24                  MR. OLDAKER:  Exactly.

25                  PROFESSOR CAPRON:  Okay.  So education and

1       consultation.  Maybe if we were speaking here of  
2       education, that is to say before you start recruiting  
3       people in the community you do some education about the  
4       research process, that there is some group that has  
5       come into the community, that has met with the  
6       community leaders, they will be through clinics or  
7       otherwise looking for subjects.  This is what the  
8       research is about.  This is the process of asking for  
9       consent that will be gone through and so forth.  I  
10      mean, just -- in other words, I think that is probably  
11      what is in mind.  Whether it is a good idea or not or  
12      should be a requirement or should simply be an example  
13      to follow on Recommendation 7 that out of that process  
14      of getting community leaders' consent you might then  
15      have a community education program.

16                 We have examples in the testimony we heard of  
17      people doing exactly this but whether that is a  
18      requirement or simply an illustration of a good way of  
19      going about things --

20                 MR. OLDAKER:  And I understand prior to.  I am  
21      not sure what you would be doing during and what the  
22      responsibilities would be afterwards if we do not spell  
23      them out in some way because I am not -- in a lot of  
24      the tests -- a lot of the trials there will not be any  
25      information to communicate afterwards, I would think.

1                   PROFESSOR CAPRON: Okay. Those of you who  
2 have not spoken, the sense conveyed by both Bill and  
3 Harold is that this is too vague a requirement, that if  
4 -- the should is a strong one. It is too onerous and  
5 if the should is a very weak one it does not amount to  
6 much. Is that a fair statement?

7                   MR. OLDAKER: Mm-hum.

8                   PROFESSOR CAPRON: Where do other people come  
9 out on this last recommendation? Jim?

10                  DR. CHILDRESS: I would be in favor of  
11 deleting it.

12                  MS. KRAMER: I would, too.

13                  PROFESSOR CAPRON: Bette says she would too.  
14 Arturo says he would. David?

15                  DR. COX: The same.

16                  PROFESSOR CAPRON: The same. Yes?

17                  MR. HOLTZMAN: The question is --

18                  PROFESSOR CAPRON: Steven?

19                  MR. HOLTZMAN: The question is that if you  
20 look at Recommendation 9 where we have the consultation  
21 with the community leaders, I suppose 11 adds something  
22 in addition in the second sentence certainly that would  
23 say that you should outline in your protocol to the IRB  
24 what your process is going to be.

25                  So maybe there is a way of tying those two

1 together because it is not clear to me that 9 in some  
2 respects is any less vague. Or if we think it is less  
3 vague when it says "necessary information" that may be  
4 the handled for the education and consultation.

5 PROFESSOR CAPRON: Well, with that  
6 recommendation then perhaps we can put this to bed. As  
7 I understand it then, probably as to 9 and 10 the  
8 notion that the protocol that is approved by an IRB  
9 should include information about how these steps are  
10 going to be carried out. And as to 9, recognition that  
11 in consulting with community representatives you may be  
12 able to get advice about how to carry out individual  
13 education as part of the consent process and there may  
14 be also some advice about means of collective education  
15 and the idea would be, depending on the circumstances  
16 of the particular research and the particular community  
17 and so forth, different mixtures of those may turn out  
18 to be appropriate in different circumstances.

19 And we would fold in any thought of community  
20 education as an illustration or as a point to be  
21 considered in the explanatory material that follows the  
22 recommendation.

23 PROFESSOR BACKLAR: Alex?

24 PROFESSOR CAPRON: Yes. Go ahead. Is that  
25 Trish?

1           PROFESSOR BACKLAR: It is Trish.

2           PROFESSOR CAPRON: Yes, go ahead, Trish.

3           PROFESSOR BACKLAR: And I was thinking there  
4 was somewhere some explanatory material and I do not  
5 know if it was in this chapter. We had a researcher  
6 who came who talked about precisely doing this over a  
7 some kind of radio program and so on and so forth.

8           PROFESSOR CAPRON: Yes.

9           PROFESSOR BACKLAR: Ruth -- is Ruth still  
10 there?

11          PROFESSOR CAPRON: Ruth is not there but I  
12 think it was the man from Haiti.

13          PROFESSOR CHARO: Jean Paul.

14          PROFESSOR BACKLAR: It was not just in Haiti.  
15 There was somebody else who -- from another place,  
16 whose name I do not recollect. And which they did a  
17 considerable amount of education through whatever media  
18 was available.

19          PROFESSOR CAPRON: Okay. We will remind Ruth  
20 of that as material. This recommendation would  
21 probably spring from a discussion of that material.

22          PROFESSOR BACKLAR: Correct.

23          PROFESSOR CAPRON: Yes, Bernie?

24          DR. LO: I know there is pressure to move on,  
25 I just wanted to say two quick things. First, around

1 lunch Alice, Ruth and I tried to draft some alternative  
2 language for the discussion we had this morning and  
3 maybe I can give that to one of the staff and see if we  
4 can get it typed up into something that is legible.

5           Secondly, I think we are missing some  
6 recommendations here on first the therapeutic  
7 misconception and, secondly, the need for NIH to  
8 sponsor research on how to do informed consent in  
9 different cultural contexts and to have some form by  
10 which researchers can sort of share best practices.

11           I wrote some specific language. I actually  
12 gave it to Ruth and Alice who are not here but maybe we  
13 could -- I could bring it in tomorrow and we could  
14 xerox it and look at it or e-mail or something. I know  
15 we cannot do it today but those are just two things to  
16 sort of mark on the agenda for more discussion.

17           PROFESSOR CAPRON: Alta?

18           PROFESSOR CHARO: Just a friendly amendment, I  
19 hope, Bernie, because my understanding is that NIH in  
20 the last few years has, in fact, put out requests for  
21 proposals for a number of studies on the informed  
22 consent process, including a variety of cultural  
23 settings so that I think to first look at what has  
24 already come in and what is in the works first before a  
25 recommendation that formally calls for further study

1 might be a wise thing to do and then revisit it.

2 PROFESSOR CAPRON: I also want to put on the  
3 record something that I hope we will be seeing tomorrow  
4 or subsequently from Ruth and Alice as a result of a  
5 helpful intervention by Jim Childress suggesting that  
6 there is a middle way between the alternative (a) and  
7 the alternative (c), which uses the notion of  
8 presumptions that people will be independently  
9 approached but recognizing that there may be  
10 circumstances where that presumption might be overcome  
11 and I suppose the kinds of circumstances may relate to  
12 whether or not if the research is not done there it  
13 will be impossible to do it anywhere would be an  
14 example of the kind of justification that would have to  
15 be spelled out and further considered by the IRB.

16 So we will see what they come up with there  
17 but I think he suggests that one of the reasons he did  
18 not vote on the alternatives we had before us was that  
19 he felt there was a need for yet a fourth alternative  
20 somewhere in there.

21 So I think what we -- all I was trying to do --  
22 -- and I realize I was pressing people to vote on  
23 something where they thought that the vote did not  
24 fully summarize all the discussion -- was that there  
25 have been a number of times when we have looked at

1 something that came out of a previous meeting and there  
2 have been cries of distress.

3 And I think if we trace it back to the  
4 previous meeting, at least in some of those cases, it  
5 was because a number of people were making points which  
6 really were not compatible with each other and it was  
7 hard for the staff to know where the Commission as a  
8 whole on balance would come out.

9 And clearly the discussion on this issue of  
10 husbands and wives this morning left us with a lot of  
11 conflicting ideas but also some substantial division  
12 and we will have to see how that is spelled out with  
13 the recognition that it may be a circumstance in which  
14 we have some separate or minority statements on a  
15 particular conclusion.

16 And with that I turn it back over to Alta for  
17 the afternoon discussion.

18 Thank you.

19 ETHICAL AND POLICY ISSUES IN THE  
20 OVERSIGHT OF HUMAN SUBJECTS RESEARCH

21 PROFESSOR CHARO: Thank you, Alex.

22 Okay. It is now 1:50. We are about 20  
23 minutes behind schedule. We will see if we can pick up  
24 any time during the afternoon.

25 I would like to begin with a brief overview of



1 work to date by Dr. Marjorie Speers on the Domestic  
2 Human Subjects Research Oversight Project.

3 OVERVIEW OF WORK TO DATE

4 DR. SPEERS: Okay. Thank you.

5 Over the next three to four months we will be  
6 drafting chapters for the Oversight Report. By  
7 September you should be able to see drafts. At this  
8 meeting and at the July meeting we will continue to  
9 hear testimony and discuss potential recommendations.  
10 However, we are moving as quickly as we can to have  
11 written material for you to review and discuss. We  
12 realize that it is much easier for you to have a  
13 discussion about recommendations when you have written  
14 materials in front of you.

15 Following the May meeting, we revised the  
16 recommendations regarding the definition of human  
17 subjects research. The draft recommendations were  
18 distributed to you via e-mail. Based on the comments  
19 we received, we revised the draft recommendations. The  
20 current draft recommendations were included in your  
21 materials for this meeting.

22 Most of the concerns about the definitions  
23 deal with issues that are better addressed, I believe,  
24 by other recommendations such as those that are likely  
25 to deal with types of reviews, that is full board

1 review, expedited review, exemptions, or waiver of  
2 consent.

3           These types of issues will be addressed in  
4 upcoming meetings and what we would like to do is to  
5 revisit the draft research definition recommendations  
6 when you are able to review them in the context of  
7 other recommendations related to IRB review.

8           If you have written comments on the draft  
9 recommendations, please give them to me. Alta has  
10 given me her comments and if anyone else has comments  
11 on the draft that was circulated to you, please give me  
12 those comments.     Otherwise, we will come back for  
13 another discussion on the research definition  
14 recommendations later.

15           This afternoon we will be discussing informed  
16 consent. Dr. Jeffrey Kahn will make a presentation  
17 based on what will appear in his paper.

18           Because this topic is of great interest to  
19 you, we have allowed an hour for discussion today.  
20 This is an opportunity for you to bring up issues that  
21 you would like to bring up around informed consent and  
22 also to revisit some of the discussion that we have had  
23 via e-mail regarding informed consent.

24           You may want to have the discussion today with  
25 a thought of identifying areas where you will wish to

1 make recommendations or even to suggest recommendations  
2 that we will then discuss more fully at the July  
3 meeting.

4 The second panel is a round table discussion  
5 with representatives from the private sector.

6 The Commission, as you know, but I will say  
7 this for the audience, voted unanimously in 1997 to  
8 adopt a resolution that all persons who participate in  
9 research should have the protections afforded by an IRB  
10 review.

11 If federal protections were expanded to the  
12 private sector it would include industries beyond the  
13 pharmaceutical and biotechnology industries.

14 Today you will be having a discussion with  
15 representatives from the auto and food industries.

16 We will end the day with a discussion on  
17 alternative models to the U.S. system. Our plan is to  
18 link Professor Donald Chalmers via the telephone from  
19 Malaysia. If the link fails it is likely that we will  
20 adjourn early today.

21 Tomorrow we will begin with a presentation on  
22 independent IRBs. This will be an opportunity for you  
23 to ask questions you have about the independent IRB  
24 system. A second panel will discuss the purpose of  
25 regulations.

1 Alta or I will have more to say about these  
2 panels in the morning.

3 Our main task tomorrow will be to consider  
4 options for improving the current regulatory framework.

5 We will not be dealing with the substance of  
6 regulation but rather with regulatory structure.

7 Options were sent to you by Federal Express.  
8 I hope that you will have a chance to review them by  
9 tomorrow so that we are able to conclude the morning  
10 with one or two recommendations.

11 Finally, when you have raised questions with  
12 presenters or even for the staff that have not been  
13 answered during the course of a meeting, we have  
14 followed up to get answers for you to those questions.

15 And included in the materials that were sent to you  
16 are the responses that we have received to date and we  
17 will continue to do that as we receive responses or  
18 additional questions are raised.

19 Yes?

20 DR. BRITO: A quick question because there are  
21 so many papers and I am not sure what I downloaded and  
22 what I have got here.

23 The recommendations they were talking about,  
24 initially there were two recommendations on one page.  
25 Is that dated May 24th? Is that the latest version?

1 DR. MESLIN: Yes.

2 DR. BRITO: Is that correct?

3 DR. SPEERS: Yes. So it is dated May 24th.

4 DR. BRITO: Thank you.

5 PROFESSOR CHARO: Marjorie, two questions by  
6 way of clarification. You said there were options sent  
7 to us by Federal Express. Can you identify what in the  
8 packet is an option that you want us to be -- these  
9 colored charts?

10 DR. SPEERS: Yes.

11 PROFESSOR CHARO: But when you say "options,"  
12 I am thinking you want us to be voting on something.  
13 You just want --

14 DR. SPEERS: We are going to --

15 PROFESSOR CHARO: -- to present --

16 DR. SPEERS: We are going to present those  
17 tomorrow to you and --

18 PROFESSOR CHARO: Thank you.

19 DR. SPEERS: -- I just want you to familiarize  
20 yourself with them so that we could move to  
21 recommendations.

22 PROFESSOR CHARO: Okay. Thank you.

23 One other remark with regard to the material.  
24 The definition of human subject that Marjorie referred  
25 to and for which she requested comments was the single

1 sheet all in bold type.

2 I just want to highlight for people's  
3 attention that it embodies the latest thinking on a  
4 discussion about the way in which we will handle third  
5 parties about whom information has been developed by  
6 intervention with a first party. So it is research on  
7 a cadaver that yields information about family members,  
8 which is specifically contemplated in there.

9 What is not contemplated in there but has been  
10 the subject of controversy around the country is  
11 intervention with an individual, a living individual  
12 that yields information about that living individual's  
13 family members. And that is no longer present in the  
14 definition so I would urge people to take a look,  
15 decide how they want to come out on each of those  
16 issues, if they want them to be the same, different,  
17 and please send in your comments to Marjorie in writing  
18 so that she can get everybody's feedback.

19 Steve?

20 MR. HOLTZMAN: Can we ask questions about  
21 this?

22 PROFESSOR CHARO: Sure.

23 MR. HOLTZMAN: Not -- just for clarification.

24 PROFESSOR CHARO: Sure.

25 MR. HOLTZMAN: The last part of the definition

1 of human subject, Marjorie, are you saying human  
2 subjects include living individuals who provide data  
3 about others where -- and then it goes to the end, real  
4 risk to the individual providing the data? So we are  
5 not trying to say that the people with respect to whom  
6 information is provided are the subject. It is rather  
7 the individual who is providing information about  
8 others wherein that information about others comes back  
9 and affects the first individual.

10 PROFESSOR CHARO: Right.

11 DR. SPEERS: That is correct.

12 PROFESSOR CHARO: Any other questions before  
13 we move on to the presentations this afternoon?

14 Okay. With that I would like to welcome Dr.  
15 Jeffrey Kahn, who is the Director at the Center for  
16 Bioethics at the University of Minnesota. You have an  
17 annotated outline of his contract paper on informed  
18 consent.

19 Dr. Kahn, thank you very much for coming.

20 PANEL I: INFORMED CONSENT

21 JEFFREY P. KAHN, Ph.D., M.P.H.,

22 DIRECTOR, CENTER FOR BIOETHICS,

23 UNIVERSITY OF MINNESOTA

24 COMMISSIONED PAPER: INFORMED CONSENT

25 IN THE POST-BELMONT ERA

1 DR. KAHN: It is my pleasure to be here.

2 I think before I launch into my presentation I  
3 want to say one thing about a comment that Alta just  
4 made about the NIH and funding research on informed  
5 consent in the research context, if I may.

6 I serve on the Study Section that has reviewed  
7 now three rounds of proposals in response exactly to  
8 that initiative and I will tell you that of the three  
9 rounds that have come through so far, I think there may  
10 be 15 or 20 that have been funded, none of which deal  
11 with cross-cultural issues unless you think about  
12 diverse populations within the United States as being  
13 cross-cultural. So nothing outside of the U.S.  
14 context.

15 So if the Commission felt a recommendation  
16 along those lines was appropriate, I think that might  
17 be welcome.

18 The last time we met to review, which was only  
19 in March, there was a real sense that there was a lack  
20 of high quality proposals and I think that you have  
21 identified a gap in that area so I would encourage  
22 that.

23 What you have before you, as Alta mentioned,  
24 is an annotated, a fairly heavily annotated outline  
25 around issues in the informed consent post-Belmont.



1           What I thought I would do with you today is  
2           take a few minutes, not terribly long, and walk through  
3           my thinking along the lines of this outline in an  
4           effort to talk about the shortcomings in informed  
5           consent because we have staked so much of the ethical  
6           weight in research to the concept and process of  
7           informed consent, and I think it will help identify  
8           where the recommendations ought to go if we have a good  
9           sense of what is wrong with the way the system now  
10          works.

11           So the outline you have before you is laid out  
12          in four large Roman Numerals and I thought I would just  
13          walk through for maybe 10 or 15 minutes what you have  
14          here before you.

15           I think we all know, and I will not dwell on a  
16          lot of these things because it is so well known to all  
17          of you and to those who work in the context of research  
18          but let me just identify a few of the highlights so  
19          that we are all on the same page.

20           I think we know that the informed consent  
21          process is flawed, both in the way it is carried out  
22          and in the way that subjects perceive that process and  
23          that experience.

24           We know that the short-comings lie in areas  
25          like the quality of informed consent. You have seen in

1 the outline that I have identified a few of the studies  
2 that have shown this. I worked on the study that the  
3 Advisory Committee on Human Radiation Experiments  
4 undertook to examine the informed consent process. In  
5 1995 we looked at informed consent forms that had been  
6 approved by IRBs and found what will be not surprising  
7 to anybody in the room or to people who do research  
8 that the consent forms were nearly universally  
9 difficult to understand, that they had reading levels  
10 that were too high, that the language was very  
11 technical and the detail was often overwhelming,  
12 leading to a problem, I think we would all agree, in  
13 whether informed consent was really achieved.

14 I think that we know sort of where the process  
15 has broken down but I think it is not just about the  
16 way we have implemented informed consent. It is also  
17 about the way research has developed since the Belmont  
18 Commission did its -- the Belmont Report primarily was  
19 written by the National Commission in the mid-1970s.

20 So I think what I would like to sort of say  
21 now are a few things about the challenges that clinical  
22 research poses in the post-Belmont era.

23 I think you will hear more about the notion of  
24 the shifting emphasis towards the benefits of research  
25 and away from protections from other contract papers

1 but I think it is an important part of the context  
2 about how informed consent works in the current world.

3 I have laid out, I think, a short argument  
4 about where that shift in emphasis has occurred and  
5 why, and it is a relatively recent change in the way we  
6 think about research.

7 So when the Belmont Report was written we were  
8 really emphasizing or interested in emphasizing justice  
9 as protection from the harms that research carries and  
10 since the mid-1990s, if not before, we have really  
11 started to talk much more about access to the benefits  
12 that research has to offer, which changes the way  
13 people ought to think or people will think about what  
14 research means to them as potential subjects. And,  
15 therefore, raises challenges for how we do informed  
16 consent in that context.

17 I think this is an issue that is through  
18 going. It is not something that is particularly  
19 important for one area of research versus another. We  
20 can point to things like HIV/AIDS research and  
21 clamoring for access to those clinical trials in that  
22 research area as one example. We can point to the work  
23 of the Institute of Medicine on women in clinical  
24 research as advocating for inclusion in that context.

25 But I think it goes all the way through the

1 system now and I, in fact, was just reading in the New  
2 York Times the day before yesterday that Vice-President  
3 Gore has said that we ought to double the amount of  
4 money going to cancer research so that more people can  
5 participate as research subjects. There should be no  
6 barriers to research based on money, for instance.

7           So when we are seeing all the way through our  
8 system up through the highest levels of our government  
9 admonitions that we have to do better about making  
10 access to research available to people, I think you can  
11 see where it puts pressure on the process of consent to  
12 make sure people really understand what they are  
13 getting into.

14           In addition to the sort of shifting of  
15 emphasis, I think we have known for a long time that  
16 there is an important problem or an important issue in  
17 the way research and therapy have long been entwined  
18 with each other and are now only becoming much more so  
19 leading to often misperceptions of research subjects  
20 and potential research subjects.

21           So we have a pretty strong sense, I think,  
22 from the empirical literature that people are confused  
23 and that confusion, I think, lives at two different  
24 places. There was interesting discussion this morning  
25 and mention of the area known as the "therapeutic

1 misconception" but I think actually that there are two  
2 things going on in what we often term the "therapeutic  
3 misconception."

4           And one is a confusion not about seeing  
5 benefit or experiencing benefit when one is a research  
6 subject but actually not understanding the difference  
7 between what is research and what is actually therapy,  
8 which is, I think, a different problem than therapeutic  
9 misconception.

10           And we know, not from terribly much empirical  
11 research but at least from some research done by again  
12 the Advisory Committee on Human Radiation Experiments,  
13 that there is a significant number of people who  
14 misunderstand what they are engaged in. They either  
15 think that they are in research when they are not or,  
16 more problematic, think that they are not in research  
17 when they are.

18           So the first case is sort of the wannabe  
19 research subjects, which is an interesting problem in  
20 and of itself. But the second case is more  
21 problematic, which people have turned the unwitting  
22 research subjects, and that is certainly a problem for  
23 informed consent.

24           If people sign pieces of paper or go through a  
25 process in which they are supposed to be informed and

1       consenting in a voluntary way to participate in  
2       research and then do not understand that they are in  
3       research and not getting clinical care, that is  
4       problematic. That undermines the very notion of what  
5       we think about as informed consent in the research  
6       context.

7               So that perception, the confusion between  
8       research and therapy, really challenges whether we are  
9       doing informed consent at all.

10              And then, as you have talked about already  
11       today and I am sure in other meetings as well, the  
12       concept of the therapeutic misconception is one that  
13       challenges whether people really understand as well.  
14       That being the idea that even though I know I am in  
15       research, I also know that I am going to get some  
16       medical benefit from my research participation.

17              And it has been shown that, even in the  
18       context of placebo controlled trials, people really  
19       believe they are going to get active agent that will  
20       really help them based upon their diagnosis and medical  
21       needs. That is a somewhat different issue, I would  
22       argue, than this confusion between research and therapy  
23       but certainly no less a problem or a challenge for how  
24       we do informed consent.

25              The third area that I think that undermines or

1 challenges informed consent in this area of clinical  
2 research is the, I think, increasing blurring of the  
3 roles of physicians and researchers. We see this, in  
4 particular, in areas like cancer research. In  
5 particular, pediatric cancer research where physicians  
6 are not only caring for patients but are also often  
7 investigators, if not principal investigators, of the  
8 studies in which their patients are being enrolled.

9           And that dual role problem or two hat problem  
10 really challenges how well people could, let alone do,  
11 understand informed -- have informed consent and  
12 understand what they are getting into in the context of  
13 research when the same person who is caring for them as  
14 their physician is also an investigator trying to  
15 recruit them into his or her clinical trials.

16           I think all of this is true historically and  
17 continues to be problematic as we move ahead into the  
18 future. And if you sort of bundle this together with  
19 what I have labeled here as the evolution of areas of  
20 research, sort of moving from the kinds of research  
21 that was being done in the immediate post-Belmont era  
22 to what we see today, the things are really quite  
23 different in the research enterprise. It is not that  
24 the people are different or that the challenges might  
25 not be that different but that the kinds of research

1 certainly are, and that challenges the way we think  
2 about how consent ought to be sought and, hopefully,  
3 achieved.

4 In my -- the final paper that I will submit to  
5 you, I will try my best to lay out in tabular form if  
6 it will work, sort of the kinds of challenges that  
7 arise in different research populations, in different  
8 research types, and in the places where research is  
9 done.

10 I have made a first stab at this in the  
11 annotated outline you have before you and I think just  
12 by looking at the way the X's line up in the boxes you  
13 see that different kinds of research, different  
14 research populations and different research settings  
15 raise different kinds of ethical concerns, which means  
16 we ought to do informed consent at least in different  
17 focused ways in those various populations, research  
18 areas or research settings.

19 And I think that is just instructive for how  
20 research is really different in different areas, and I  
21 will certainly do the best job I can in laying out what  
22 those differences will -- do look like and will look  
23 like in the future.

24 An important area that I hope you will agree  
25 has to be addressed is a practice that many IRBs engage



1 in, which is to apply what is often boilerplate kinds  
2 of language or approaches to informed consent in  
3 research. The idea that I have labeled here in Roman  
4 Numeral III as the problem of one size fits all  
5 informed consent.

6 And as the chart, the table that I have  
7 presented to you here in rough forms, shows not all  
8 research is the same. It raises different issues. It  
9 is different kinds of research and it includes  
10 different kinds of subjects. And I think, therefore,  
11 we ought to rethink how informed consent ought to  
12 proceed to reflect those differences.

13 We have focused in large part in creating our  
14 regulations and the informed consent process that grows  
15 from it on biomedical research and often to the  
16 exclusion of other areas of biomedical research, even  
17 clinical research, which obviously is an important area  
18 but not the only area in which ethical issues in the  
19 protection of human subjects arises.

20 In addition, I think we have done a rather  
21 poor job of distinguishing the issues that arise in  
22 Phase II and Phase III clinical trials when we are  
23 talking about clinical research, when we are outside  
24 the context of clinical research, social science  
25 research and the particular issues that arise in that

1 context, along with other nonbiomedical research, what  
2 we ought to be thinking in terms of informed consent  
3 related to research on healthy subjects, and sort of  
4 conceptually how to "rejigger" that, if that is the  
5 right term, to better reflect the concepts of informed  
6 consent and the oversight process in which we all try  
7 to do our research.

8           Lastly in that Roman area is an issue that I  
9 think is not going to be surprising or new to anybody  
10 here, and that is that we ought not focus as much on  
11 the process of informed consent -- pardon me -- on the  
12 forms that we use in the informed consent process and  
13 ought to focus more on the process itself.

14           Informed consent, of course, is a relationship  
15 between subject and investigators and those that work  
16 on the research and not about pieces of paper with  
17 signatures on them, and we have to get away from that  
18 over reliance on pieces of paper and the boilerplate  
19 language that often gets included in them.

20           Just to sort of wrap up, all of this  
21 identification of short-comings will not really amount  
22 to a hill of beans unless we have some discussion of  
23 the implications for how we ought to improve the  
24 process and the practice of informed consent.

25           And I would like to sort of leave you in terms

1 of how we start our discussion with six areas, which  
2 actually are not reflected in this outline because it  
3 is sort of the where does this all come out. The  
4 answer to the question about where this all comes out.

5 And I would suggest that there are six  
6 particular kinds of recommendations that I would offer  
7 you for your consideration around two categories: The  
8 process of informed consent and the information  
9 contained in it.

10 In terms of the process, I think we have to  
11 first of all focus on education for investigators and  
12 physicians and others in the research community.  
13 Coming down from the Public Health Service, we are  
14 already going to see requirements for researchers to  
15 receive education and training in the responsible  
16 conduct of research. That, I believe, will be a sort  
17 of empty -- not content rich recommendation or  
18 requirement from PHS/HHS and this Commission, I think,  
19 stands in a good position to tell -- to give direction,  
20 pardon me, to recommend what kinds of content areas  
21 ought to be addressed in that education and training.

22 So there is an opportunity to make sure  
23 investigators understand what the short-comings in  
24 informed consent are and how to overcome them. I  
25 think we have to go outside of investigators in that

1 context as well and talk about education of the  
2 physicians who refer their patients into clinical  
3 trials and to those who work in the research context  
4 outside of the clinical area so that they understand  
5 what does not work in informed consent and how we ought  
6 to improve it.

7           Secondly, in terms of the informed consent  
8 process, I think we need to consider the addition of  
9 additional parties to the process of informed consent.

10       There is lots of debate and discussion at the IRB  
11 level about whether it is appropriate for only the  
12 investigator to be doing informed consent or whether it  
13 ought to be somebody other than the investigator,  
14 anybody other than the investigator, because of the  
15 power differentials that occur between subjects and  
16 researchers.

17           But I think that is too narrow a debate and  
18 that we ought to think about who ought to be in the  
19 room in addition to the investigator and/or research  
20 staff:

21           To include people like ombudsmen or  
22 ombudspeople, whatever the gender-neutral term is for  
23 that, as a way of getting an objective non-affiliated  
24 individual into the process. Not just to make sure  
25 that there is an advocate say for patients or subjects

1 on the IRB but in the process of informed consent in an  
2 ongoing way. This individual could be a part of the  
3 IRB or not, and I think goes to the possibility, if not  
4 the recommendation, of ongoing audits of the informed  
5 consent process in research.

6 In addition, I think that there is some  
7 validity in ideas like including subjects, existing  
8 subjects, in discussions with prospective subjects  
9 about what research participation actually means.

10 This has not been done, although it has been  
11 proposed by a few people, and I think it is an  
12 interesting idea whereby the power differences between  
13 researchers and subjects is in a way addressed by  
14 allowing subjects who are in trials or in research to  
15 sit alone with prospective subjects and have a frank  
16 conversation about what that research actually is like.

17 I think, in particular, we need ongoing audit  
18 and these sort of third party advocates or ombudsmen in  
19 the context of research where there is proxy consent  
20 given or waivers of consent. I think those sort of  
21 raise the stakes of how we ought to make sure consent  
22 takes place in acceptable ways.

23 A third area related to the process of  
24 informed consent is that we have to do -- find other  
25 ways to achieve informed consent other than pieces of

1 paper that people read and this is not new and I am not  
2 unique in suggesting some of these options but I think  
3 we have to look hard.

4           And the kinds of research that is being funded  
5 by NIH now actually speak to a few of these areas, the  
6 research that I mentioned at the beginning of my  
7 remarks, whereby individuals may watch a video or use  
8 an interactive CD to go through the consent process or  
9 have individuals other than the investigator in the  
10 room and discussing the research with prospective  
11 subjects.

12           So expanding outside of the typical pieces of  
13 paper that subjects are asked to read and then sign as  
14 a way of achieving informed consent.

15           Some of these things are staked to the IRB  
16 process and so maybe it is appropriate to talk about  
17 them in the context of how IRBs do their work and how  
18 oversight works and others, I think, are really  
19 specific to the process of informed consent.

20           The last three recommendations that I would  
21 sort of put forward in a general way relate to what the  
22 content of the consent process ought to include. You  
23 have heard me say that I think it is very important  
24 that we do a better job of distinguishing research from  
25 therapy and I think that is at the top of my list

1 certainly for clinical research issues.

2 We have to do a much better job of helping  
3 potential subjects understand that research is not  
4 therapy and how it will be different for them to  
5 participate in research than it would be if they went  
6 to "standard therapy" for whatever their disease or  
7 illness might be.

8 Second, I think that we have to do a better  
9 job of helping IRBs and researchers identify the  
10 particular areas in which they ought to focus in their  
11 consent processes for different kinds of research. So  
12 we have now ten points that IRBs look at for what  
13 constitutes valid informed consent and those are quite  
14 general kinds of information.

15 If we look at the kinds of research that are  
16 being done, genetic research, research that involves  
17 pregnant women and fetuses, we have to think quite  
18 differently about what ought to be in consent  
19 processes, not just consent forms, and we have to do a  
20 better job and be able to do a better job of directing  
21 researchers and IRBs towards what they ought to include  
22 outside the standard boilerplate kinds of language.

23 And then, lastly, I think we have to do a  
24 better job of making it clear to potential subjects the  
25 ties that researchers have, both financial and

1 otherwise, to the research that they are carrying out  
2 so that it is clear when there is role overlap between  
3 physicians potentially in the clinical research area  
4 and the research that they carry out or the funding for  
5 research that subjects are being asked to participate  
6 in.

7           The last thing, which you have already said  
8 and which I have spoken to as well, is that I think  
9 there needs to be ongoing research on informed consent  
10 in the research context. That has begun with the  
11 recent NIH RFP and the few studies that have been  
12 funded and are ongoing. No results have come out yet  
13 but I think it is important that that be encouraged to  
14 continue.

15           So with that I think I will stop and engage  
16 you all in conversation if we can do that.

17           PROFESSOR CHARO: Thank you very much, Dr.  
18 Kahn.

19           Alex, Bernie. Anybody else already want to  
20 get on the -- and Jim.

21           PROFESSOR CAPRON: Jeff, I know it is going to  
22 be very helpful to have your paper because you have  
23 already done a nice job in the outline of teasing apart  
24 some of the distinctions.

25           I wanted to take you back to the first set of



1 distinctions that you were making about the challenges  
2 to the idea of informed consent and I have a comment  
3 and a question for you in talking about has research  
4 outpaced the Belmont era, as you put it, approach to  
5 informed consent.

6           The comment is that under the heading of the  
7 "Shifting emphasis towards the benefit of research  
8 participation," I see you lumping in there something  
9 which, I think, is a distinct, though not irrelevant  
10 topic, and that is the benefits to the categories of  
11 people.

12           For example, women, who would benefit by  
13 systematic research being carried out on their  
14 population rather than what happens now with research  
15 being carried out on males and then applied on the  
16 clinical level willy nilly to females without careful  
17 research on the potential differences.

18           That seems to me a very different phenomenon  
19 where we say that we are now more concerned with the  
20 benefits of research and making sure that those  
21 benefits are available to a category of people who are  
22 the beneficiaries after the completion of the research  
23 from the other idea, which you have here, is the  
24 benefit to subjects from participating in research  
25 where the research offers a potential means of

1 addressing a medical problem they have for which there  
2 are apparently no other satisfactory, in terms of side  
3 effects or outcome or cost or whatever, not adequately  
4 satisfactory alternatives.

5 And certainly the AIDS example, the HIV  
6 example, I think, has led people widely to say that by  
7 the 1980's this paradigm shift had begun to occur and  
8 with that impetus was more broadly perceived.

9 I think it is important to keep those two  
10 things distinct because they have different effects.

11 Now my question for you is what does all of  
12 this have to do with informed consent?

13 Now there are several answers that I have been  
14 -- maybe I should just let you answer it but let me  
15 give you a couple of alternatives.

16 One is that -- one would be -- well, it has to  
17 do with consent because the emphasis on protecting  
18 subjects meant that we wanted a very high standard of  
19 consent with the recognition that telling people  
20 certain kinds of information about risks and insisting  
21 that they get educated about a lot of stuff would be a  
22 barrier and would keep some people from participating,  
23 and that was okay because the main thing we did not  
24 want to have happen was someone participating in  
25 research where they were not fully informed and fully

1 voluntary in doing so.

2           A second alternative, I suppose, is that the  
3 way in which this paradigm shift arises is that the  
4 groups of people who we would consider suitable  
5 subjects for research in terms of so-called vulnerable  
6 populations would change, that where we thought in the  
7 past that we were very concerned that people whose  
8 illness meant that they really were either not able to  
9 deal with a lot of facts, there was some impairment  
10 because of their mental condition, or they were just so  
11 desperate, and we often think in this case actually  
12 more of parents who are desperate for a cure for their  
13 child or something, that the consent side -- not the  
14 informed side but the consent side is undermined and  
15 that these vulnerable populations were, therefore,  
16 people that we wanted to sort of keep from being used  
17 in too much research.

18           And maybe the women's example snuck in that  
19 way because we thought, well, women are vulnerable  
20 because of their medical conditions or if they are  
21 pregnant or whatever. I do not know. I mean, I do not  
22 know where exactly that came from.

23           But neither of these, it seems to me, go to  
24 the heart -- I mean, you could have a recognition that  
25 benefits -- the benefits model is now a major part of

1 the consent process instead of just the vulnerability  
2 and risk and protection model, and you would still have  
3 basically the same consent process.

4 It would just be that where researchers want  
5 to describe the benefits of research they are either  
6 given more encouragement to do so or more liberality in  
7 doing so if those can be made palpable but it does not  
8 really change the model of informed consent.

9 So that I have thought that the shift in the  
10 paradigm has had more to do with the types of research  
11 that people think is acceptable to carry out or the  
12 populations that one might go to, to do it, rather than  
13 the consent process.

14 So can you both respond to my first point  
15 about being clear about where the paradigm shift  
16 originates and maybe putting to one side the orphan  
17 populations as the idea goes that women are an orphan  
18 population, and then respond to this question of what  
19 does this really have to do with consent?

20 DR. KAHN: So the first point is the  
21 difference between benefit to groups and benefit to  
22 individuals, which I think you are right about, and it  
23 is obviously not the same thing. That is your first --

24 PROFESSOR CAPRON: Well, and I would almost  
25 exclude -- I mean, if I were writing this, my

1 inclination would be to note the recognition that  
2 certain groups -- I mean, the idea from the IOM study  
3 and then the NIH declarations that we have to have more  
4 women involved in research as well as more studies that  
5 look at women's illnesses but that does not -- that is  
6 not this paradigm shift.

7 DR. KAHN: Well, I think it goes -- I think  
8 they are all of a piece, and I will tell you why. I  
9 think that we do know from some of the empirical work  
10 that there is a tendency anyway, independent of the  
11 shift, to -- in the process of informed consent, if you  
12 think the paper is anything like a stand in for the  
13 process, to underestimate the risk and over emphasize or  
14 over estimate the potential benefits in clinical  
15 research at least.

16 So if you couple that with the swinging of the  
17 pendulum towards more emphasis on the benefits that  
18 research has to offer then you see, I think, it sort of  
19 pushes the consent process even further out of whack  
20 towards an over emphasis on the benefits and under  
21 estimation of the risks.

22 So I do not know that it means we should  
23 change the consent process so much as it means we have  
24 to think hard about how to make sure that the  
25 information that is portrayed in our consent process is

1 accurate and objective, and it gives people the right  
2 sense of what we are asking them to do. Because, you  
3 know, I think we always say this but it bears saying  
4 again, research is about uncertainty. We do not call  
5 it research if we know that it is going to work and we  
6 have to give people a strong sense that that is true.

7           And if we start saying "and there is all this  
8 benefit to you and all these benefits to you and to the  
9 group that you belong to," I think we tend to shade it  
10 even further away from how we want to in terms of  
11 objective information about risk and benefit.

12           PROFESSOR CAPRON: Yes. I agree with what you  
13 are saying. I just do not see that as outpacing the  
14 Belmont era. I mean, to the extent that the Belmont  
15 era is associated, I guess is your way of putting a  
16 research review process that worries about people being  
17 brought into research where they do not really  
18 understand what they are getting into and where the  
19 risks are too great, and they really ought -- either no  
20 one ought to be involved or only people who are very  
21 highly informed of what the risks are ought to be  
22 involved.

23           I do not see that that is -- that any of this  
24 changes that. Are you just simply saying it reminds us  
25 of the need to be vigilant?

1 DR. KAHN: Well, it certainly does that. I  
2 think it is more than that, though. I think that the  
3 way that -- immediately post-Belmont or the post-  
4 National Commission era, we thought of justice as  
5 making sure that mostly the risks were fairly  
6 distributed amongst subjects.

7 Now we are talking about not only a fair  
8 distribution of risk but a fair distribution of  
9 benefits and I agree it does not change the sort of  
10 framework in which we do consent, maybe that is the  
11 point you are trying to make. If you are asking that  
12 question, does this change the framework of the general  
13 process, I would say, "No, it does not change it." But  
14 it challenges the way we achieve success within that  
15 framework.

16 PROFESSOR CAPRON: Okay. Because -- all  
17 right.

18 DR. KAHN: Is that helpful? I do not know  
19 that we are --

20 PROFESSOR CAPRON: It is helpful. Maybe it is  
21 the way you have framed it initially that I thought you  
22 were -- there are -- put it this way: There are some  
23 people, it seems to me, who say that Belmont by its  
24 emphasis on individual choice and fully informed  
25 consent led to people raising barriers to research,

1 which ought not to be there.

2           And that as people say, "Gee, it ought to be  
3 easier to get into research because research is where  
4 you get benefits," that would be a reason for saying  
5 that Belmont's emphasis or that Belmont version if you  
6 are -- it may be a mischaracterization of Belmont but  
7 the Belmont era version -- was wrong.

8           DR. KAHN: Right.

9           PROFESSOR CAPRON: And that we really ought to  
10 be less concerned and more liberal. So what if people  
11 get in without full understanding, they are getting  
12 into something good. We should be happy for that. A  
13 beneficence view that research is where the goods are.

14           And I -- now I understand you to be saying,  
15 "No," that is not what you are saying. Is that right?

16           DR. KAHN: Yes. No, that is right and I would  
17 say that the -- if you play that out that research is a  
18 good that people ought to have access to that the  
19 issues are not about consent but about recruitment and  
20 what we do not know is why certain groups do not get  
21 into research or why the rates are different amongst  
22 different populations. So I think that is not about  
23 consent. I think that is about something else.

24           However, to sort of pick up on your point, I  
25 do think that, to push aside your point and go to



1 another one, that the categories of research do  
2 challenge us to do consent in a different way. So it  
3 is not so much about the shifting paradigm that drives  
4 that but rather the Belmont approach really did not  
5 foresee some of the kinds of research that we are now  
6 doing and will be doing in the future.

7 So it causes us to think hard about whether  
8 that process is adequate for what is coming down the  
9 pike or has already come down the pike.

10 PROFESSOR CHARO: Bernie?

11 DR. LO: Jeff, I was hoping that in your final  
12 paper you would be able to sort of address the question  
13 of to what extent are recommendations that others and  
14 we are likely to make on how to improve the informed  
15 consent process empirically driven or not.

16 I mean, there are a lot of things that people  
17 like to say would be good to improve informed consent.

18 Third party monitors, ombudsmen, using video tapes,  
19 audio tapes, and that sort of stuff.

20 What is the empirical evidence that that  
21 really enhances consent if we even understand what the  
22 question means because there may be a -- there  
23 certainly is a cost in terms of requiring more  
24 resources to do some of these things.

25 How convinced are we or how solid is the

1 evidence that this really promotes what we consider  
2 informed consent? Do we know how to even study that  
3 question empirically? Is there data already to support  
4 it? Or are these things that sort of seem like obvious  
5 good things to do and so we say do them without really  
6 kind of rigorous evidence that they are, in fact, going  
7 to achieve the goals we want at a price we are willing  
8 to pay?

9 DR. KAHN: I think we do not actually know  
10 whether they work. However, for 18 months now there  
11 have been a few studies ongoing, again funded by this  
12 NIH RFP, on informed consent in the research context,  
13 which are looking at things like video tape and other  
14 interactive media as a method of improving the informed  
15 consent process with evaluative components in their  
16 proposals.

17 That research has not yielded its results yet  
18 so I think we are probably another year away before we  
19 know and these are only the very first sort of toes in  
20 the water in terms of measuring whether these novel  
21 approaches actually improve the outcomes of informed  
22 consent so I do not think we know yet.

23 At least there is some research going on that  
24 may actually yield answers to that question.  
25 Unsatisfying, I know, but that is I think -- I think

1 that is where we are unless other people have more  
2 information than I do.

3 PROFESSOR CHARO: Jim?

4 DR. CHILDRESS: Mine builds on Bernie's because  
5 in some ways our recommendations about improving the  
6 consent process will be awfully speculative without the  
7 kind of information that we are talking about. And you  
8 have identified a few studies that are underway that  
9 may help to fill in some of the gaps but probably we  
10 will not have that -- the data, conclusions and results  
11 from those studies until long after the time we would  
12 need them.

13 And I guess perhaps one recommendation that we  
14 will -- could end up making has to do with increased  
15 research on the informed consent process.

16 But many of the studies that I have seen focus  
17 a lot on the question, and probably when we talk about  
18 informed consent, on disclosure, understanding,  
19 comprehension, and often in inadequate ways, like  
20 focusing mainly on how much subjects recall from their  
21 initial presentation of data.

22 But are -- I am looking at a side that we tend  
23 to think less about in terms of the voluntariness of  
24 the consent.

25 Is there much research going on there? Are

1 there things that you could tell us? That really does  
2 not play a role in the way you have sketched out here -  
3 - it may just not be enough to say anything about that.

4 DR. KAHN: Yes. And I do not know of any  
5 great amount of information that answers the question  
6 that you raised but I think it is obviously a good one.

7 I think we do know just sort of by way of  
8 extrapolating that paper tends not to be a very good  
9 approach. For instance, we know that if you talk to  
10 people about -- in the clinical context about informed  
11 consent and ask them did you sign a consent form they  
12 will say, "Yes, I am sure I signed that form with a lot  
13 of other forms that I signed."

14 It does not stick with them as having been  
15 particular to research and so I think if we just take  
16 it out of the context of signing pieces of paper in the  
17 whole stack of paper that you sign that has a chance of  
18 going towards helping them remember that they actually  
19 participated in something different.

20 That is not sort of empirical evidence but I  
21 think that that is -- it is hard to argue that that  
22 would make a difference, at least differentiate it from  
23 signing a waiver for surgery or something. You know,  
24 it is outside of the regular clinical context of health  
25 care delivery.

1           I do not know how satisfying that is to you as  
2 an answer but I think that is the only kind of evidence  
3 that we actually have until some of these studies yield  
4 their results.

5           PROFESSOR CHARO: David?

6           DR. COX: So first of all I would like to thank  
7 you very much because the -- your views are completely  
8 consistent with my own, which means that you must be  
9 right.

10          DR. KAHN: I am glad to know that.

11          (Laughter.)

12          DR. COX: And with that aside, I actually  
13 think they are pretty reflective of the reality of the  
14 situation of researchers out there in the trenches  
15 trying to do their research and trying to convince  
16 people that they should do it.

17                 So I really like your layout but I have two  
18 questions for you and the first is why do you think it  
19 is that we have switched in this format from protecting  
20 people to everyone clamoring for the benefits. So like  
21 where are those benefits and why has that come about?  
22 I have my own views but I would be very interested in  
23 your's.

24                 Keeping -- I do not ask that many questions,  
25 Alta, so this is like a two-part question.

1                   PROFESSOR CHARO: No problem, David.

2                   DR. COX: And the sort of second one is really  
3 if this is more in the context of explaining to people  
4 that they are partaking in a risky situation, which I  
5 actually think that that is exactly what the process is  
6 about, then why would anybody want to do it?

7                   DR. KAHN: If we were really honest with them,  
8 why would they participate?

9                   DR. COX: Exactly.

10                  DR. KAHN: Well, to answer that second  
11 question first, you know, people have said -- people  
12 who I respect who are researchers have said "We ought  
13 to put at the top of each consent form big bold letter  
14 boilerplate language that says, 'This is not for you.  
15 Participate in it because you are wanting to be  
16 altruistic more or less,' and that should be the only  
17 value that we actually want to pull out of people.  
18 Everything else is sort of wrong headed."

19                  I do not subscribe to that view. I think that  
20 should be part of what people -- what motivates people  
21 to participate.

22                  So to answer your question, it ought to be to  
23 help other people. That is why we ask you to put  
24 yourself in harm's way, to benefit others but this is a  
25 segue to answering your first question.

1 DR. COX: Exactly.

2 DR. KAHN: I think that it is true that there  
3 are benefits to be had in research potentially for you  
4 as a subject and that is more true today than it was 30  
5 years ago. There is probably a -- there is a greater  
6 likelihood that you will benefit medically from  
7 research participation.

8 Now it gets complicated when you think about,  
9 for instance, people who do not have great access to  
10 health care who we know participate in research trials  
11 partly because that is how they can get health care. I  
12 mean, that is not a good reason. We do not want that  
13 to be their motivation. That is problematic. Not  
14 because of consent, though. It is problematic because  
15 they do not have access to health care.

16 So we do not want people to have those kinds  
17 of motivations.

18 Why do we get this swinging in the pendulum, I  
19 would say, is that it is a complicated story but you  
20 can go back to HIV/AIDS and the first trials for AZT  
21 when ACT-UP and its predecessor organization would have  
22 rallies in the large cities in our country with  
23 placards that said "Clinical Trials are Health Care  
24 Too."

25 And if you say that you have conflated the --

1 you have done the job that we have been talking about,  
2 right. So now it is not just beneficial. It is health  
3 care to be in the clinical trial. So that, I think,  
4 sticks a little bit.

5 And then I think we did a bad job of making  
6 sure that populations did receive the benefits of being  
7 researched on. So the point that Alex was making  
8 before. I think that is real that we excluded women to  
9 death as people have argued. You know, we lost  
10 information about the health care needs of certain  
11 parts of our population, in a way a misguided effort,  
12 to protect them.

13 So it is, I think, all -- in a very short  
14 answer to your question -- it is all mixed together and  
15 once that cocktail is all -- is mixed up, we get the  
16 sort of sense that, you know, there are real benefits  
17 to be had in research and that is part of why it makes  
18 sense to be a research participant, rightly or wrongly.

19 DR. COX: In fact, that is very helpful.

20 DR. KAHN: Okay.

21 DR. COX: Because my sort of -- what I would  
22 have said from my perspective --

23 PROFESSOR CHARO: I am sorry. David, can you  
24 speak more closely to the microphone?

25 DR. COX: Yes. So, I do not disagree with any



1 of those things. I would have added one other thing,  
2 is that I think over the past 10 years the research  
3 community has become extremely adapt at their own  
4 public relations.

5 DR. KAHN: Well, that --

6 DR. COX: And so that to the point --

7 DR. KAHN: -- is fair.

8 DR. COX: -- where even they believe it.

9 Right?

10 DR. KAHN: Yes.

11 DR. COX: Yes.

12 DR. KAHN: And that is actually a very good  
13 point.

14 DR. COX: So that the -- given that, right,  
15 the -- and -- because there is some truth to it but not  
16 on the time scale that it is represented. So it is  
17 long-term gains, not short-term gains. It is like the  
18 stock market. We should have some stock people  
19 actually doing this for us so that -- so I really think  
20 that things have changed in my view.

21 I think you are right but not because the  
22 process of consent has changed but because the players  
23 have changed and gotten -- have changed sort of what  
24 the game is to get people to enroll.

25 So anyway that is -- but I think that this --

1 understanding that, okay, goes a long way then to  
2 coming up with the things that you want to fix.

3 And I must agree with some things that Bernie  
4 and others said, though, is that although these are  
5 really great ideas, in my view, is that coming up with  
6 practical solutions to implement them, I would hope,  
7 would be an important part of your paper.

8 DR. KAHN: Well, and I think, you know, a lot  
9 of these would be rightly perceived as unfunded  
10 mandates and that is always of course, difficult to  
11 sell institutionally or to the government. So I am  
12 sensitive to that.

13 To pick up on one of your points, and I think  
14 someone said this earlier today, I do not remember who,  
15 I am sorry, but therapeutic misconception is not just  
16 about subjects, it is also about researchers and about  
17 physicians because there is actually interesting  
18 empirical evidence about that.

19 Why did you refer your patient into this  
20 particular clinical trial? Because I thought it would  
21 benefit them medically.

22 DR. COX: Exactly.

23 DR. KAHN: Well, do you know what the chance  
24 of that actually is? And the disparity between what  
25 they answer and what is the case is often quite large.

1           So that goes to the point you are trying to  
2     make.

3           I think it is very important for us to get to  
4     the researchers themselves. I talk a lot to  
5     researchers in my own institution and I often will talk  
6     about some of the things that I have laid out here and  
7     that we have been talking about, and they are always  
8     quite amazed that this is actually true.

9           So they are very adept and they know a lot  
10    about what they do but they do not specifically step  
11    back and have that bigger picture, which I think is  
12    important to give people a better sense of how to do  
13    this right.

14           PROFESSOR CHARO: Jeff, if I may ask that when  
15    you deliver the final paper, if you could highlight the  
16    references for that information about therapeutic  
17    misconception by investigators and physicians.

18           DR. KAHN: Sure.

19           PROFESSOR CHARO: That would be handy.

20           I have on my list Steve, Diane, Bernie, Eric  
21    Cassell, I put myself on the list toward the end.

22           Trish, you are out there on the phone?

23           PROFESSOR BACKLAR: Yes, I am.

24           PROFESSOR CHARO: Did you want --

25           PROFESSOR BACKLAR: I am having to come and go

1 unfortunately.

2 PROFESSOR CHARO: I understand. I just wanted  
3 to ask if you had wanted to intervene at any point  
4 because you had been so active on e-mail talking about  
5 audio taped --

6 PROFESSOR BACKLAR: Right.

7 PROFESSOR CHARO: -- consent.

8 PROFESSOR BACKLAR: But I think it would be  
9 useful to listen to what others have to say.

10 PROFESSOR CHARO: Just give a shout whenever  
11 you would like to intervene.

12 PROFESSOR BACKLAR: Thank you.

13 PROFESSOR CHARO: Okay. Anybody else who  
14 would like to be on the list?

15 Steve.

16 MR. HOLTZMAN: One of the things I really like  
17 about your approach is the recognition that one size  
18 does not fit all because this is an area where there is  
19 a tremendous amount of texture.

20 So what I find a little inconsistent with that  
21 is then when we come to the discussion of the  
22 therapeutic misconception and its quotes about what  
23 researchers find and think, there does not seem to me  
24 the same attention to texture.

25 What I mean by that is you do reference the

1 fact that if a well educated health care consumer comes  
2 down with an incurable cancer -- I am going to sort of  
3 play out what you said -- and goes out on the web  
4 searching for where are the clinical trials that might  
5 be able to save their life, that is not a therapeutic  
6 misconception. That is a very, very well informed  
7 health care consumer and we are moving into an era  
8 where things like referrals to clinical trial are being  
9 viewed as benefits to come out of health care plans  
10 precisely for those sorts of cases.

11 So I am somewhat surprised after that  
12 attention to texture is that you drew, even though you  
13 sort of point in that direction, there is a difference  
14 between going into a Phase I without knowing anything  
15 versus that kind of case. You then said we need to  
16 guard more against it.

17 I am not sure that that is the case. I think  
18 maybe what it further points us to is not just making  
19 distinctions about clinical versus nonclinical and  
20 whatnot but also the context of the education of the  
21 people involved and why they are interested in it.

22 DR. KAHN: That is actually very helpful and I  
23 think you are right. There are different cuts even  
24 within some of these categories and I certainly will do  
25 my best to tease that out.

1           PROFESSOR CHARO: Marjorie, I understand you  
2 wanted to say something.

3           DR. SPEERS: I want to go at the end to do a  
4 couple of comments.

5           PROFESSOR CHARO: Okay. Diane?

6           DR. SCOTT-JONES: Okay. I have a question for  
7 you about your identification of this paradigm shift  
8 from protecting to allowing access. Okay. You are  
9 saying that there has been a reversal of protection in  
10 favor of creating access. And I was wondering if you  
11 could say what particular line of research or series of  
12 studies excluded women in the past in order to protect  
13 them and now is including them in order to provide them  
14 benefits.

15           I am asking because it could be the case that  
16 women were excluded not out of protectionism but  
17 because it was believed that it was more important to  
18 study men, say heart disease in men or because the  
19 disease was more prevalent in men.

20           So I guess I am questioning your linking one  
21 to the other. Can you say what series of studies moved  
22 from excluding women in order to protect them and not  
23 for other reasons?

24           DR. KAHN: Actually I can defer to Alta, I  
25 think, on this unless you would like me to speak

1 because this is something that there is --

2 PROFESSOR CHARO: Yes. I can do it quickly  
3 because --

4 DR. KAHN: -- lots of evidence about --

5 PROFESSOR CHARO: Yes. I had -- a research  
6 assistant and I actually did do an empirical study  
7 going back a number of years in an IRB looking at all  
8 the studies and what they were studying and whether  
9 women were included so I can answer that for you.

10 And the short answer is they were excluded  
11 from pretty much everything and it was not based on  
12 prevalence of disease. It was based on the fact that  
13 in the absence of information that indicated a  
14 substance was actually safe for fetuses, it was  
15 presumed to be possibly dangerous and the presumption,  
16 therefore, was that they would be excluded.

17 They would occasionally be included when they  
18 suffered from an illness that was severe and the  
19 research presented one of the only possibilities for  
20 amelioration or cure.

21 So, interestingly enough, known fetal toxins  
22 in the chemotherapy area would not pose a barrier to  
23 enrollment whereas testing analgesics would routinely  
24 result in an exclusion.

25 We also checked to see whether the exclusions

1 were more frequent by for profit sponsors like  
2 pharmaceutical companies versus public sector sponsors  
3 like the government speculating that product liability  
4 fears would lead to higher frequencies of exclusions by  
5 for profit companies. And the result, surprisingly to  
6 us, was, no, not really.

7 The final thing we tried to do but were  
8 unsuccessful in doing, because our IRB would not let us  
9 study the phenomenon lest the identities be revealed,  
10 was to see if we could control for the sex of the  
11 investigator and to see whether there was a difference  
12 in the way men and women approached this but at that  
13 point our IRB said that it might be too revealing of  
14 the actual investigators and that they would now become  
15 the subject of our studies.

16 In a bit of performance art I found myself  
17 screaming and yelling about the difficulties of going  
18 through an IRB.

19 (Laughter.)

20 PROFESSOR CHARO: What has changed since then  
21 is that there has been movement from Washington, from  
22 NIH and from FDA both, that require IRBs researchers to  
23 explain why they are not including women if they are  
24 not.

25 Known fetal toxins are often an explanation



1 for why they are not including them. The fact that a  
2 disease does not occur in women, prostate cancer, is  
3 considered an explanation. And the justifications have  
4 to be presented to the IRBs.

5 Women are now routinely being included in most  
6 all studies.

7 What has not yet happened that was requested  
8 from the Federal Government was that they be included  
9 in numbers large enough and in studies large enough to  
10 allow disaggregation of data by gender in order to look  
11 for gender difference in responses, whether responses  
12 to substances or to the doses of substances.

13 DR. KAHN: There actually is a fairly strong  
14 line of evidence in the IOM report, women -- Women in  
15 Clinical Research, is that the right title? I am going  
16 to get it wrong. It is cited in here. If you like, I  
17 can sort of pull out some of that information.

18 So I think that there is a lot of evidence on  
19 the policy side that links in the way that you were  
20 asking about.

21 I mean, I will just say from my own experience  
22 working with IRBs that the regulations people read as  
23 saying do not research on pregnant women because of  
24 risk to fetuses but that has been expanded -- was  
25 expanded to include not just pregnant women but

1 potentially pregnant women, which meant sometimes, in  
2 IRBs that I worked with, women of child bearing  
3 capacity from 14 to 60 would be summarily rejected or  
4 not allowed to participate in research.

5 So if that is the case then I think it makes  
6 the kind of link that you are asking about.

7 PROFESSOR CHARO: Do you have anything  
8 further, Diane, that you wanted to comment on or ask?

9 DR. SCOTT-JONES: I will just pass and let  
10 other people have a chance.

11 PROFESSOR CHARO: Okay. Bernie?

12 DR. LO: I lost my train of thought. Let me  
13 sort of yield to the next person and get back in the  
14 queue.

15 PROFESSOR CHARO: You are back in -- you are  
16 in the queue.

17 Eric Cassell?

18 DR. CASSELL: Well, I just want to pick on  
19 something that Steve said before about what you called  
20 the "therapeutic misconception."

21 You have to be careful about that. If you  
22 want somebody to get a new cancer agent, they will not  
23 get that agent unless they are in a trial. But in that  
24 trial they will not be without therapy.

25 DR. KAHN: Sure.

1 DR. CASSELL: They will be getting what was  
2 standard therapy before, their chance of getting that  
3 therapy is 50/50. So it is not a therapeutic  
4 misconception in the sense we meant it before. I think  
5 if I am in this trial I am going to get -- being  
6 treated when, in fact, no treatment is intended.

7 So I think if you do that you get it wrong.  
8 People know what they are --

9 DR. KAHN: Sure.

10 DR. CASSELL: I mean the investigator knows  
11 but they also have come to believe that that is the  
12 best way to use any new drug. They do not want to use  
13 it outside of a trial, and that is a more complicated  
14 thing. It closes off its use elsewhere because nobody  
15 wants to -- they want to get enough patients for decent  
16 trials.

17 DR. KAHN: Sure.

18 DR. CASSELL: So it has another meaning, which  
19 you might pick up, but it is not a therapeutic  
20 misconception.

21 PROFESSOR CHARO: Let me go back a little bit.  
22 Bernie, did you remember what you wanted to say?

23 DR. LO: Yes.

24 PROFESSOR CHARO: Okay .

25 DR. LO: I keep having these senior moments

1 unfortunately.

2 (Laughter.)

3 DR. CASSELL: They will get worst, Bernie.

4 (Laughter.)

5 DR. LO: I know. That is what my kids keep  
6 saying. It has gotten worse and it is not getting  
7 better.

8 PROFESSOR CAPRON: When she calls your name  
9 and you don't respond, then we will know.

10 (Laughter.)

11 DR. LO: Actually I think I will respond when  
12 she calls somebody else's name.

13 (Laughter.)

14 DR. LO: When we talk about misconceptions, it  
15 seems to me that there is a tendency to lump research  
16 together as sort of a homogenous thing. And it strikes  
17 me that there are certain types of situations and  
18 certain types of research projects where there is a --  
19 sort of a documented record that misconceptions are  
20 much more likely to occur.

21 So I think Phase I cancer trials, there is a  
22 lot of evidence that both patients and investigators  
23 think they are going to get therapeutic benefits when,  
24 in fact, it almost never happens. There are sort of  
25 dose toxicity studies.

1           I would sort of argue based on what we know in  
2 the public record about the "gene therapy" research  
3 that gene therapy research probably falls in that  
4 category.

5           And I think it might be helpful to try and  
6 highlight for us those types of studies and clinical  
7 situations -- research situations where there is a  
8 higher likelihood or at least there is some evidence  
9 that this is a real problem as opposed to it could  
10 happen anywhere because I think IRBs do not -- again I  
11 am sort of jumping to opinion here -- but it seems to  
12 me that IRBs need guidance as to sort of where  
13 particularly to sort of look for the possibility of  
14 therapeutic misconception in all the senses you used it  
15 and, therefore, to sort of require additional things to  
16 do in the process of obtaining informed consent that  
17 may or may not be standard for other types of research.

18           I am just afraid that if we do not try and  
19 make those distinctions people will sort of say, "Well,  
20 why don't we sort of have video tapes and consent  
21 monitors for all research" because potentially in any  
22 research -- I mean, the Radiation Committee study -- I  
23 do not know that you broke it down in different types  
24 of research but, you know, it is probably spread across  
25 the board.

1 DR. KAHN: Right.

2 DR. LO: I think we should, you know, sort of  
3 following Willy Sutton go where the money is and where  
4 we know there are problems we should at least get the  
5 IRB to sort of look at those projects with heightened  
6 scrutiny.

7 We went through some of this with the research  
8 on mental disorders that may impair decision making  
9 capacity where we said there are certain types of  
10 research projects in this field which require  
11 heightened scrutiny because of the following sort of  
12 history and track record.

13 I think if we could do it here that would be  
14 helpful. Not that that would be an exhaustive list but  
15 I think we would be a lot better off if we sort of did  
16 a better job -- have IRBs and investigators do a better  
17 job of where the known problems are than sort of trying  
18 to cast everywhere.

19 PROFESSOR CHARO: Arturo?

20 DR. BRITO: One aspect that I have not heard  
21 talked about here about this shift that you described,  
22 and I curious, is that the change since the Belmont  
23 Report in the availability of medical care for people  
24 in this country and how it may -- and this is anecdotal  
25 on my part, it is just my impression is that there is

1 an increase in discrepancy in health care availability  
2 in certain populations.

3 So how much of the shift in the perception of  
4 benefit, whether true or not, is out of the increasing  
5 number of people that are desperate, I guess, for  
6 medical care? That was one question.

7 The second question I had, I was also struck  
8 by the fact that in the proposals to NIH there were no  
9 requests, you said, for cultural differences or at  
10 least none that were granted. Is that correct?

11 DR. KAHN: Actually nothing outside of the  
12 United States. There actually were a fair number of  
13 studies -- and I do not know -- I think maybe two were  
14 funded that looked at cultural differences within  
15 communities in the United States.

16 DR. BRITO: Okay. So there are a couple.

17 DR. KAHN: Yes.

18 DR. BRITO: I misunderstood that.

19 And irrespective of that, how much of the --  
20 in the United States is the new ways of looking at  
21 informed consent more due to educational differences  
22 because my experience is that a lot of the difficulty  
23 that people have with informed consent as a written  
24 document is when you get people that are involved in  
25 research to have less than, you know, a ninth grade

1 educational level. So things like that.

2 Is that something that is being looked at in  
3 these --

4 DR. KAHN: Yes. In fact, I think that has  
5 been broken out into things that are and are not  
6 research. I do not have this at my finger tips. It is  
7 out of my memory.

8 But reading level issues were among the most -  
9 - are among the most studied issues. How do we sort of  
10 overcome these problems of being able to read above say  
11 an eighth grade level when the information is extremely  
12 technical and detailed and complicated?

13 So presenting it in a way that is accessible  
14 to anybody, let alone people who are trained as  
15 physicians. You know, sometimes it is very hard even  
16 for people who do know what to look for to understand  
17 what is going on in informed consent.

18 DR. BRITO: And how much of that leads to the  
19 therapeutic misconception also? I mean, it makes me  
20 wonder about the topics we had this morning about the -  
21 - you know, sometimes we frame a lot of things under  
22 cultural differences but I wonder how much has to do  
23 with education level.

24 DR. KAHN: Well, there are some other issues  
25 which I outlined and I will spend some more time on in



1 the paper but I think if you ask people, and there have  
2 been surveys done on research subjects and potential  
3 subjects, why would you or why are you participating  
4 research. In almost every case there is this notion of  
5 I trust this person and they say it is a good thing for  
6 me to do. Or it is being done at the University of  
7 Minnesota and I trust that place. Fill in the blank.  
8 It does not much matter.

9           There is a real sense that there is a trust on  
10 the part of subjects in the people, in the place, in  
11 the system, and I do lay that out a little bit. I  
12 think we have to be very careful not to lose sight of  
13 that. That is a very important thing for us to know  
14 exists and to foster.

15           If you do not have that trust you do not do  
16 research and that is pretty much what it comes down to.

17           In answer to your very first question, I do  
18 not know that anybody has looked at whether it is  
19 driven by a lack of access to health care.

20           DR. BRITO: And it is not just lack of access.

21           It is also dissatisfaction that has happened over the  
22 last two or three decades and it may actually probably  
23 -- I would guess it mirrors how people are going to  
24 alternative forms of medical care and clinical trials  
25 may just be another form of that than sort of the

1 traditional medical care because there is  
2 dissatisfaction with outcomes for themselves and family  
3 members.

4 I do not know if there is data on those things  
5 or not.

6 DR. KAHN: I do not know.

7 PROFESSOR CHARO: Okay. We have just under 15  
8 minutes left if we stay on schedule and I have on the  
9 list Diane, Alex, Steve, possibly Trish, possibly  
10 myself, and Marjorie.

11 PROFESSOR BACKLAR: Yes, and Trish, right.

12 PROFESSOR CHARO: Trish, you are available to  
13 speak now?

14 PROFESSOR BACKLAR: Yes.

15 PROFESSOR CHARO: Why don't you go now just in  
16 case you get called away again?

17 PROFESSOR BACKLAR: Okay. This is in a sense  
18 sort of out of context with the discussion that is  
19 going on currently that you are having currently. I  
20 wanted to bring up the modest proposal about a way of  
21 documenting informed consent, the process of it,  
22 without having people write it down, and also a way in  
23 which one could discover how the discussion goes  
24 between the researcher and the participant, and that  
25 was to do it with audio taping, and I know that most of

1 you read what I suggested about it, and I do not know  
2 if you want me to go into details or if we could just  
3 start the discussion with looking at the advantages and  
4 disadvantages of audio taping the consent process.

5 I am giving you a question back.

6 PROFESSOR CAPRON: Is that a question for Alta  
7 or for Jeff?

8 PROFESSOR BACKLAR: Well, it is a question.  
9 If this is -- if you would like to -- if this would be  
10 a good idea to explore this for Alta and Jeff, how you  
11 would like to do it. Shall I just tell you what my  
12 ideas are or should we sort of discuss it?

13 PROFESSOR CHARO: This is the venue for  
14 discussing things so this would be the time to do it.

15 PROFESSOR BACKLAR: Well, I think that in my  
16 own experience in research we always have -- when we do  
17 research where we are getting information from  
18 participants, this has nothing to do with consent but  
19 the research itself, we always audio tape all the  
20 information processing that we get so that we know that  
21 the interviewers have a -- do not make up what they --  
22 it is a way of checking what the interviewers, the  
23 information that the interviewers are getting.

24 And so I thought that it might work very well  
25 if the informed consent process, however long it takes,

1 would also be audio taped. This would be a way in  
2 which we would know that we would be able to find out  
3 that a participant actually understood because there  
4 would be a discussion, not just a reading aloud of a  
5 consent form, and it would allow for questions, and it  
6 does not mean that one would have to go back and listen  
7 to all these tapes but if there were some problem that  
8 came up about the study one could go back and find out  
9 if, in fact, the participants did understand what the  
10 research was about. They understood that they were in  
11 a research protocol and that their questions were  
12 adequately answered.

13 PROFESSOR CHARO: Jeff, do you have any  
14 observations, responses?

15 DR. KAHN: Well, I appreciate your comments,  
16 Trish. I think it is important that there be some sort  
17 of ongoing observation personally and maybe audio tape  
18 is sort of a stand in for that.

19 It is difficult. It costs money. It is  
20 people. It is resources to have somebody go and watch  
21 the informed consent process takes place.

22 PROFESSOR BACKLAR: Right.

23 DR. KAHN: But I think if you want to know  
24 whether it works that is the way to do it and whether  
25 that means just sort of spot audits, that people know

1 that it could happen, I think, is sometimes a strong  
2 motivator.

3 I guess my concern about audio tape is that  
4 what would then happen to them. It is sort of a  
5 record, I understand, but I think if you want to get  
6 out the nut that you want to just be there and watch  
7 the process and see how it works, which is more than  
8 just listening to what people have to say on an audio  
9 tape.

10 PROFESSOR BACKLAR: Of course, the issue is  
11 that often the -- if is the informed consent process is  
12 adequate, it is not a one time event, and so it is not  
13 simply somebody coming in for a spot check. If things  
14 change in some way, one is supposed to go back and  
15 explain and continue the discussion.

16 It seems to me that it is a protection not  
17 simply for the participants but also for the researcher  
18 and that it is a way -- a record for the researchers to  
19 be able to show that they continue to answer people's  
20 questions and continue to inform them of maybe the  
21 changes in the protocol.

22 PROFESSOR CHARO: Okay. Diane, you had --

23 DR. SCOTT-JONES: My question is on a  
24 different topic. I do not know if Trish had finished.  
25 It was something entirely different.

1           PROFESSOR CHARO: I am sorry. Trish, did you  
2 have anything further to add? I am kind of -- only  
3 because I am watching the clock at the same time that I  
4 am listening to you.

5           PROFESSOR BACKLAR: I am afraid I cannot hear  
6 you.

7           PROFESSOR CHARO: Did you have -- Trish, did  
8 you have anything further to add on this topic? I am  
9 watching the clock and the list of people who would  
10 like to speak.

11          PROFESSOR BACKLAR: No. Let everybody else  
12 speak. That is fine.

13          PROFESSOR CHARO: Okay. Thanks very much for  
14 that. That is very helpful and I know that Marjorie  
15 was taking notes here while you were speaking.

16                 Diane?

17          DR. SCOTT-JONES: Okay. My question is aimed  
18 at trying to understand further the basic ideas that  
19 you have laid out so nicely for us and I want to ask  
20 you whether you see any inconsistency between this  
21 notion of the paradigm shift toward allowing access for  
22 the benefits of research? You used the phrase "hope  
23 and opportunity" that people seek when they go into  
24 research and you described the "therapeutic  
25 misconception" as an instance in which people wrongly

1 believe that the research gives them hope and  
2 opportunity.

3           So I am just wondering how you see those two  
4 elements, which are major elements of what you  
5 presented to us. How you see them fitting together?  
6 Do you see any inconsistencies there?

7           DR. KAHN: Yes. I would say that in the  
8 second case, in the definition concept of "therapeutic  
9 misconception" it is not about hope. It is about a  
10 belief that there will be therapeutic benefit from my  
11 participating in research, which is more than anybody  
12 can claim. I do not think anybody in their wildest  
13 dreams thinks that there is always going to be benefit  
14 from research participation.

15           As I said before, that is why we call it  
16 research because we do not know whether it will benefit  
17 people.

18           We do not want, on the other hand, to  
19 undermine people's hope. I mean, that is a lot of what  
20 motivates people in life, not just in research  
21 participation.

22           So I do not think we want to squelch that but  
23 we also do not want to exploit it. I guess that is the  
24 way I would answer it in a very short few words.

25           DR. SCOTT-JONES: Okay. Could I just follow-

1 up real briefly?

2 PROFESSOR CHARO: Sure.

3 DR. SCOTT-JONES: But in therapy isn't there  
4 also some probability that there will not be good that  
5 follows from the therapy?

6 DR. KAHN: Absolutely. And I think, though,  
7 that in the context of therapy in clinical care, we are  
8 less concerned about misunderstanding because the  
9 motivation on the part of physicians is the best  
10 interest of patients or it ought to be, certainly.

11 So if there is a misunderstanding and we say  
12 that maybe 10 percent of the people just never will get  
13 it, that is somewhat ameliorated by the fact that there  
14 is the best of interest of the patient that is driving  
15 the decision making or the recommendation at least.

16 In the context of research we always have to  
17 remember that attention because we are asking people to  
18 put themselves in harm's way and undertake risk so that  
19 other people -- we can learn something about what is  
20 going on with them to benefit others in the future.

21 And if they get some benefit, great, but it is  
22 not something that we can expect, although we might  
23 hope for it and individuals might hope for it.

24 Is that a distinction that is helpful to you?

25 DR. SCOTT-JONES: I will pass and let people



1 keep going.

2 DR. KAHN: Okay.

3 PROFESSOR CHARO: Are you sure? Do you want  
4 to just follow-up quickly?

5 DR. SCOTT-JONES: No, I will pass.

6 PROFESSOR CHARO: Alex?

7 PROFESSOR CAPRON: I wanted to suggest several  
8 things in looking at the role of informed consent as  
9 opposed to alternative means of making sure that the  
10 research process is acceptable. And the evolution in  
11 the post-Belmont era is one of them.

12 Certainly in the area of consent to treatment,  
13 I think today we have recognized more clearly and try  
14 to preach, as it were, to those who are in the position  
15 of getting consent the importance of talking about  
16 alternatives to whatever is being recommended in a  
17 clinical or therapeutic context. And I -- as  
18 opposed to the litany of risks. I mean, it would seem  
19 that very typically the risks themselves are always  
20 present and it does not tell a patient very much to  
21 just recite risk.

22 I was wondering about your thoughts on whether  
23 that is an equally important part in the research  
24 consent process and, if so, if we have any empirical  
25 evidence of what it means to give that.

1           A second question around informed consent is  
2 whether you see consent in the research context as  
3 legitimately allowing or demanding a formal assessment  
4 of the subject's understanding of what is at issue.

5           My own view of the history of informed consent  
6 in treatment is that the phrase "informed consent" is a  
7 misleading one if it suggests that what we demand is  
8 that before you can get treatment you have to be  
9 informed the way we would use the term in other  
10 contexts. Rather, what is at issue is a requirement of  
11 disclosure by the physician of certain information.

12           We could judge the information as being  
13 accurate but misleadingly disclosed or confusingly  
14 disclosed. There might be some point at which you  
15 would say, "Well, it is just so obvious that what is  
16 being done here is not going to convey the  
17 information," but we do not say that subjects have an  
18 obligation -- excuse me, patients have an obligation to  
19 have a certain level of knowledge or they are  
20 disqualified from making choices. We would rather say  
21 it is an obligation on the physician.

22           What about in the context of research? And,  
23 again, do we have any empirical studies that  
24 demonstrate whether it is possible and what the effects  
25 of demanding a certain level of knowledge?

1           And the third thing is the issue that you  
2 raised about the confusion that arises when one person  
3 is playing several roles and this issue of the doctor  
4 as -- the physician investigator as an agent here. Is  
5 he or she the agent of science or the sponsor of  
6 research on the one hand versus the agent of the  
7 patient?

8           And I hope that you will explore in your paper  
9 -- you may not need to respond to it now -- how  
10 practically one achieves that because situations in  
11 which a person is referred to a physician researcher  
12 precisely because his or her own physician says, "Well,  
13 this is something that needs a research examination, we  
14 do not have adequate ways of doing it here," does that  
15 mean that that research team needs to be made up both  
16 of a researcher and a new surrogate physician, maybe  
17 the physician?

18           So those are the three points: Alternatives,  
19 assessment of knowledge and agency.

20           DR. KAHN: I will take the last one first. I  
21 think you are right that it is very difficult to know  
22 how to proceed when there are the dual agency problems.

23           And I do not have a quick answer for you.

24           People have very tongue in cheek said, "We  
25 ought to make researchers who are also physicians take

1 off their white coat when they are researchers and put  
2 on a different color coat," as a way of just making a  
3 visual cue this is not the same thing as it was before.

4 And obviously that is not meant seriously but  
5 it, I think, gets at what we want to try to do, make it  
6 clear that this is not the same thing. How to do that  
7 I will definitely explore. I do not know there is any  
8 great empirical work out there that answers that  
9 question in short.

10 I think in answer to your second question that  
11 we do need to have a higher standard of understanding  
12 to say that someone has satisfactorily gone through  
13 informed consent in the research context than we do in  
14 clinical care. Absolutely.

15 I do not know if I can I tell you where the  
16 line ought to be drawn but I think the standard must be  
17 higher because we are asking people to do something  
18 that is not necessarily good for them. In fact, it  
19 carries -- that is -- as I have said now three times,  
20 we call it research because we do not know whether it  
21 will work and what the risks might be.

22 So I think we do have to have a higher  
23 standard. I think we know that people are no better at  
24 understanding information in the context of research  
25 than they are in the clinical context.

1           You know, nothing magic happens when you  
2 become a research subject. In fact, it may go the  
3 other way. So does that mean people ought to be  
4 excluded from research if they do not measure up to a  
5 certain level of understanding?

6           You know, I do not know that we are so good at  
7 measuring what people's understanding actually is. We  
8 know how to measure recollection but that is not the  
9 same thing as understanding.

10           Now I will tell you at the last round of this  
11 NIH RFP, the last round of submissions, there was one  
12 study that will attempt to do that, to measure actual  
13 understanding, not recollection. Who knows whether it  
14 will be funded? You know, those study sections are  
15 interesting that way. You do your work, you think  
16 something looks really great, it gets the right number  
17 and then does not get funded, but that is another  
18 matter.

19           PROFESSOR CHARO: Excuse me, Jeff. Just  
20 because we have now actually kind of run out of our  
21 time, I am going to rush you along in your answers a  
22 little bit to catch up the last few people.

23           DR. KAHN: Okay. And I will finish by  
24 answering your first question very quickly. I think it  
25 is really hard in the context of research to talk about

1 alternatives because the alternative to not being in  
2 this research or not receiving the active agent arm in  
3 a clinical trial is not to be a research subject.

4 So I think it is a much more binary kind of  
5 choice unless I misunderstand the point you are trying  
6 to make.

7 PROFESSOR CHARO: If I can just say something.  
8 Steve, you had asked to speak. You will pass.  
9 Okay.

10 I am going to pass under the circumstances as  
11 well.

12 I know that Marjorie and Eric had wanted to  
13 make some comments at the conclusion of the session.

14 DR. SPEERS: Just three quick comments to you,  
15 Jeff, of topics that I hope you will address in the  
16 paper.

17 We have discussed here as a group today  
18 clinical research and focused quite a bit on clinical  
19 research. I would like to ask you when you consider  
20 all types of research to include social science  
21 research, epidemiologic public health research as well  
22 because I think that some of the consent issues are  
23 probably different for those types of research.

24 Another issue that did not come up in the  
25 group that I hope you will also consider would be

1 consent issues in conducting research with children and  
2 the issues around child assent.

3 Of particular -- perhaps one topic that you  
4 would want to address would be research involving  
5 adolescents and whether the consent process might be  
6 different for adolescents.

7 And my last point quickly is there is focus in  
8 the regulations and a bench mark that is used in the  
9 regulations is to obtain "legally effective consent."  
10 Those are the words that are used. And I think because  
11 of those particular words in the regulations there is  
12 tremendous focus on paper and on the consent form and  
13 on obtaining a signature. That could be contrasted  
14 with something that I am going to call ethical consent  
15 or just consent -- you know, actually getting informed  
16 consent and making sure that people are properly  
17 informed and understand and agree to participate, and  
18 it would not necessarily actually -- necessarily  
19 translate into "legally effective consent," and  
20 inasmuch as you could address that issue in the paper,  
21 I think it would helpful to us.

22 DR. KAHN: How many volumes did you want?

23 (Laughter.)

24 PROFESSOR CHARO: Six or seven will do.

25 Eric, I think you have the last word.

1 DR. MESLIN: Very quickly, and this is just  
2 for Commissioners benefit rather than for Jeff's.

3 Everything that you are hearing obviously you  
4 will want to relate back to the International Report  
5 and vice versa, so among the comments that Harold  
6 shared with me late yesterday evening -- Trish, I hope  
7 you are still listening -- was that he felt that the  
8 issue of tape recording was an interesting thing to  
9 pursue for the foreign studies question when we were  
10 debating procedural requirements for documenting -- for  
11 assuring understanding and the like.

12 So it is staff's responsibility to remind  
13 Commissioners if there are recommendations being  
14 proposed for one report that affect the other, and the  
15 consent topic is obviously a clear opportunity for that  
16 overlap, and we will keep you apprised.

17 PROFESSOR CHARO: Okay.

18 PROFESSOR CAPRON: Alta, can I have just one -  
19 - Marjorie, I think you have raised an interesting  
20 point, which is not -- with all respect to the contract  
21 you have asked Jeff to do -- really a burden you should  
22 lay on him. If your understanding is the phrase  
23 "legally effective consent" means a consent form, I  
24 think it would be worthwhile having a member of staff,  
25 or if you have to get another quick consultation from a



1 lawyer to look at it, thinking back in the literature  
2 on informed consent for treatment, it is certainly true  
3 that there is often a consent document but the language  
4 that comes to mind that courts use in talking about  
5 consent does not talk about the document as such.

6 Sometimes the document is evidence that what  
7 was said was inaccurate and sometimes it is evidence  
8 that is thrown back at the patient to say, "You did --  
9 it was right here in the form," and now the question is  
10 should you have understood it from that language.

11 But "legally effective consent" and "ethically  
12 effective" or "acceptable consent" do not on the face  
13 of it seem that far apart.

14 PROFESSOR CHARO: Right.

15 PROFESSOR CAPRON: So a researcher could look  
16 at the cases for you, though, and see if my impression  
17 is wrong. I mean --

18 PROFESSOR CHARO: We are going -- Marjorie,  
19 please do not reply. We are going to allow you to  
20 pursue that conversation privately during the break, if  
21 you wish, since it is about how to structure the  
22 contract work and does not really need to be on the  
23 record here.

24 We are going to break now and we are about  
25 five minutes behind schedule so we will return promptly

1 at 3:35 to hear from Dr. Schreck and Dr. Chin. Thank  
2 you very much.

3 DR. MESLIN: Thank you, Jeff.

4 (Whereupon, at 3:20 p.m., a break was taken.)

5 PANEL II: PRIVATE SECTOR ROUNDTABLE

6 PROFESSOR CHARO: Okay. If we could please  
7 get started with the private sector. If we could all  
8 get back to the table. I will invite everybody to  
9 please end their conversations and come back to the  
10 table.

11 Thank you very much.

12 I would like to welcome two people when have  
13 agreed to come and talk with us about human subjects  
14 research in settings that have not been extensively  
15 discussed until now where we seem to have primarily  
16 focused our attention on the biomedical sector and  
17 pharmaceutical sectors.

18 We have with us two people: Dr. Richard  
19 Schreck, who is the Secretary for the General Motors  
20 Human Research Committee, and also Dr. Henry Chin, who  
21 is the Vice-President for the Center for Technical  
22 Assistance at the National Food Processors Association.

23 Thank you both, gentlemen, for coming.

24 I understand that some questions were  
25 forwarded to you to give you an idea of the areas that

1 the Commission is particularly interested in so let me  
2 start by asking if you have any remarks that you would  
3 like to make in reaction to some of those questions and  
4 after that we will open it up to a more informal  
5 discussion back and forth between members of the  
6 Commission and both of you.

7 Dr. Schreck and Dr. Chin, if you have any  
8 preliminary comments.

9 RICHARD SCHRECK, PH.D., SECRETARY,  
10 GENERAL MOTORS HUMAN RESEARCH COMMITTEE  
11 GENERAL MOTORS

12 DR. SCHRECK: I do not have my copy of the  
13 replies but they are probably all there. I think the  
14 general nature of what we said was that most of the  
15 work that we do -- the questions had to do with whether  
16 we would be conducting our business any differently if  
17 we were under the authority of the Common Rule and the  
18 national scrutiny of the NIH or one of the other  
19 agencies.

20 And I think the general nature of my replies  
21 was that we pretty much behave as if we were under the  
22 rules for federal research and we probably would not do  
23 much differently other than perhaps records keeping or  
24 reporting publicly that we do not do right now.

25 PROFESSOR CHARO: Okay.

1 DR. SCHRECK: But I think the make up of our  
2 committee, our procedures, our informed consent,  
3 paperwork and so forth, I believe, are pretty much  
4 consistent with what you use.

5 PROFESSOR CHARO: Thank you. And if you could  
6 just double check that your microphone is working.  
7 Okay.

8 Dr. Chin?

9 HENRY B. CHIN, Ph.D., VICE PRESIDENT  
10 CENTER FOR TECHNICAL ASSISTANCE  
11 NATIONAL FOOD PROCESSORS ASSOCIATION

12 DR. CHIN: I had not really prepared any  
13 remarks and I have not had a chance to actually prepare  
14 any written comments for your questions yet but  
15 generally the comments that we had for the questions  
16 dealt with the fact that in terms of the use of human  
17 subjects in research that is related to foods it really  
18 falls into two areas.

19 One is basically very similar to, I think,  
20 what you have been talking about already, the  
21 biomedical kinds of studies, which are under the  
22 control of medical facilities or health facilities.

23 And then obviously in the food industry we do  
24 a lot of consumer testing for the food products and  
25 there we do follow the principle of informed consent.

1 We do screening of consumers to make sure that, you  
2 know, allergies -- issues associated with allergies and  
3 intolerances are addressed.

4 But -- so that is kind of the general  
5 framework that we approach this -- the subject, human  
6 subjects in research. And, I guess, aside from that I  
7 think I will be glad to answer any questions.

8 PROFESSOR CHARO: Let me first offer Marjorie  
9 Speers and opportunity to ask anything that follows on  
10 to the questions that were delivered previously.

11 DR. SPEERS: Okay. I do not have any  
12 questions to specifically ask in response to Alta's  
13 question but what I thought it might be useful for both  
14 of you to do for the Commissioners would be from your  
15 respective fields if you could talk a bit about the  
16 amount of research that occurs just to give us a sense  
17 of how much research that you might conduct, the types  
18 of research. For example, Dr. Schreck and I had a  
19 conversation about research involving living subjects,  
20 research involving deceased subjects. You know, so the  
21 types of research that you do.

22 And then whatever you could say about your  
23 IRBs. Do your companies tend to have their own IRBs?  
24 Do they use independent IRBs?

25 Just give us a sense of the lay of the land,

1 if you will, before we ask some specific questions.

2 PROFESSOR CHARO: Sure, Dr. Schreck?

3 DR. SCHRECK: I will lead off since you want  
4 to know how we test nonliving subjects.

5 (Laughter.)

6 DR. SCHRECK: We have -- we have been in the  
7 business doing this for about 25 years. We have only  
8 done about 150 protocols over that time so we are  
9 really not a big IRB in terms of users. We probably  
10 have two, sometimes three meetings a year.

11 Our board consists of typically about a dozen  
12 people, about six from within the company and about six  
13 from outside the company. The only people who have a  
14 vote are the people who are extramural, no one from  
15 inside the company has a vote.

16 The intramural people are simply there for  
17 advice. They are scientists. They are physicians  
18 within the company. They are legal people within the  
19 company and they are there to see that things go  
20 together properly but it is entirely the vote of the  
21 extramural people that counts.

22 The extramural people consist of faculty from  
23 the medical schools in our area, the University of  
24 Michigan and Wayne State primarily. They consist of  
25 senior people at some of the large research hospitals

1 like Henry Ford hospital or Beaumont hospital in our  
2 area or some of the medium sized hospitals.

3 They consist of theologians, people like that.

4 We have currently someone who is a Jesuit priest and  
5 teaches ethics at one of the local seminaries. And we  
6 have a unitarian minister who runs the Children's  
7 hospital at Michigan. She is the chief chaplain of the  
8 hospital system right now.

9 And those are the people whose vote counts in  
10 all matters.

11 Typically, we have our investigators write a  
12 protocol. If they are doing the procedure internally  
13 or if it is something jointly done with a medical  
14 school anywhere in the country, they will write a  
15 protocol. We mail that protocol to all members on the  
16 board at least two weeks in advance for them to review  
17 at their leisure.

18 Meetings typically take a half a day and we  
19 typically do two or three protocols in four hours. So  
20 we have probably at least an hour for discussion.

21 When there are researchers who are out of  
22 state, we will connect with them on a conference call  
23 and have them present during the time that their  
24 protocol is discussed as well.

25 It is an either up or down vote but they can

1 also say there are following reasons why they do not  
2 like a protocol and send it back again and have it  
3 revised but if they do not unanimously agree to the  
4 protocol it is simply not going to be done.

5           The general nature of our work consists of two  
6 broad areas. One has to do with trauma research and  
7 one has to do with toxicity and toxicology kinds of  
8 research.

9           Trauma, of course, is preventing trauma and  
10 trying to understand something about the biomechanics  
11 of the body and how it is injured and try to use that  
12 to design systems within the automobile to alleviate  
13 those kinds of problems in a crash.

14           Toxicology has to do with the effects of  
15 automobile pollutants. It has to do with the effects  
16 of air bag dust. It has to do with plastics and  
17 chemicals that are used to make the interior components  
18 of the car and how to deal with medical problems that  
19 may arise from those kinds of exposures.

20           Recently there has been a lot of interest in  
21 sort of information processing kinds of studies, and  
22 these are very interesting, and these are primarily how  
23 we have been drawn from strictly private research and  
24 doing the work with federal agencies. These involve  
25 things like not cell phone use itself but information



1       overload, shall we say.

2                 There are all sorts of wonderful gadgets now  
3       that will tell you where in the world you are, what  
4       street you are driving on and where the nearest  
5       McDonald's is, and all sorts of things like that, and  
6       the question becomes, you know, how much information  
7       can you safely deal with.

8                 For us, the question is when making a  
9       selection from many alternatives, what to incorporate  
10      in a car and how to do it in a responsible way so that  
11      we do not contribute to your driving task at the wrong  
12      time to make it an unsafe type of task.

13                There are also all sorts of wonderful space  
14      aged things coming up on the horizon now involving  
15      extremely precise radar systems that can shoot right  
16      down the highway and computer sized information  
17      processing systems that can reject dozens of false  
18      targets coming at you every minute, sign posts and  
19      trees and things that look like they are in your path  
20      but in another half a second they will not be in your  
21      path.

22                From that we can pick out real collision  
23      events coming up and the question becomes how do you  
24      understand the best way to communicate that information  
25      to the driver. Do you want to put the brakes on

1 automatically? Do you want to flash a light? Do you  
2 ring a buzzer? Do you want to have a voice appear? Do  
3 you want to use a haptic of some sort?

4 So these are the kinds of things we are  
5 beginning to do and these are the kind of things that  
6 we are working with the Federal Government on and  
7 primarily the Department of Transportation, and they  
8 review us again to make sure we have a bi-gender make  
9 up of our committee and so forth and are consistent  
10 with their thinking about what a proper committee is.

11 So that is currently -- that is basically what  
12 our committee is all about and how it functions.

13 There is an informed consent form in every  
14 case. Every informed consent form has a risks and a  
15 benefits subsection. I think every one that I have  
16 ever seen basically says that the benefit is you will  
17 get paid for your time and there is no benefit to you  
18 personally for participating. You are only  
19 contributing knowledge.

20 The risks are described as vividly as they can  
21 be and, if anything, I think the corporate lawyer  
22 insists that they be described more vividly than most  
23 investigators would be comfortable with because he is  
24 faced with defending these things should something go  
25 wrong.

1           The subject of cadavers came up about 15 years  
2 ago. Most early work in the area of biomechanics was  
3 done primarily with unclaimed bodies. I mean  
4 nationally this is where you first got material. This  
5 is where we first learned the compressional breaking  
6 strength of the femur and the cracking -- skull  
7 cracking and the fracture information that we currently  
8 know, et cetera. It was all done 30-40 years ago with  
9 this material.

10           Twenty years ago or so this became a sensitive  
11 issue, studies on cadavers, and we decided that  
12 cadavers should be treated like all other human beings  
13 and there should be some sort of consent for their use.

14       And from that time on we have only used willed bodies  
15 so we do have a protocol. It is important -- again, as  
16 with living subjects -- that the investigator describe  
17 the reason why you have to do another experiment and  
18 cannot find this information in the literature. We  
19 would like to know that first of all and then again we  
20 only would use willed bodies for cadaver research.

21           PROFESSOR CHARO: Thank you very much.

22           Dr. Chin?

23           DR. CHIN: I guess I should give you a little  
24 bit of background first as to the organization that I  
25 represent. I am with the National Food Processors

1 Association.

2 PROFESSOR CHARO: I am sorry. Could you pull  
3 the microphone a little more close?

4 DR. CHIN: Sure.

5 DR. DUMAS: Yes, because I am -- Rhetaugh is  
6 having trouble hearing.

7 PROFESSOR CHARO: Thank you.

8 PROFESSOR BACKLAR: Yes, so am I.

9 DR. CHIN: Thank you.

10 (Laughter.)

11 DR. CHIN: Yes. I probably should start by  
12 giving you a little bit of background about who I am  
13 and the organization that I represent.

14 I am with the National Food Processors  
15 Association and NFPA is a trade association that  
16 represents the food processing industry. We operate  
17 three research laboratories: In Washington, D.C., out  
18 here in Dublin, California, which is in the East Bay,  
19 and a laboratory up in Seattle, Washington.

20 We, as a trade association, we do not -- we  
21 are not directly involved in any testing that involves  
22 human subjects but we do operate a commercial  
23 laboratory, a commercial testing laboratory that has a  
24 sensory testing group that does market research and  
25 consumer taste panels, and that kind of thing.

1           As I said in my opening remarks, the food  
2 industry basically uses human subjects in two areas, as  
3 I said. One is in the -- in those categories, which  
4 basically fall into clinical studies. These would  
5 involve the effects of trying to follow the effects of  
6 nutrients or anti-nutrients on health, looking at the  
7 health effects of either new or old food additives,  
8 color additives, that kind of thing.

9           And there are studies going on in terms of the  
10 assessment of food allergies and intolerances, and  
11 those are all -- those studies are all usually  
12 conducted or are conducted in clinical settings in a  
13 medical facility or under the control of medical  
14 research people.

15           The other area that Ed mentioned was consumer  
16 testing and, you know, that is -- obviously it is quite  
17 widely used in the food industry. It is used in two  
18 ways. I think most of you are familiar with the type  
19 of testing that we bring in consumers and ask them to  
20 evaluate food products, what their likes or dislikes of  
21 products.

22           We also have what are called trained test  
23 panels that are smaller groups of maybe half a dozen, a  
24 dozen people, who we train specifically to recognize  
25 certainly traits in a product, whether it be texture,

1 certain flavors, certain odors, and what they try to do  
2 -- what they do is to put -- to make those kinds of  
3 measurements more objective, put it on some type of  
4 scale.

5 In terms of the -- in terms of the consumer  
6 panels that are run in the food industry, we -- our  
7 company does that. We advertise for consumers to --  
8 who are interested in doing this type of work. They  
9 respond to a number. They call the number that we  
10 provide. We have a telephone answer -- people who  
11 answer the phone who are then taken through a list of  
12 questions in terms of trying to figure out their likes,  
13 their dislikes, the -- whether or not there are any  
14 allergies or intolerances that have to be recognized.

15 And basically those people who have allergies  
16 or intolerances are screened out of that process so  
17 they are not brought in for taste panel work.

18 Then, in addition, the -- in the situation --  
19 I noticed when I walked in at the end of the earlier  
20 discussion when you were -- the question about minors  
21 or adolescents. Obviously in the food business you  
22 have a lot of products that are targeted to a whole  
23 range of groups but obviously some are targeted to  
24 children and when products are -- when the taste panel  
25 is -- includes children, there is a special consent

1 form for the parents for their children in terms of,  
2 you know, making sure they understand what the products  
3 are that are to be tested and that kind of thing.

4 In most cases, since we are testing food  
5 products, there is a protocol that is going to be  
6 reviewed with the company that has requested the work.

7 If there is any question at all about toxicity we  
8 have employed a toxicologist to review the materials  
9 that are in our study.

10 We have microbiologists on staff because we  
11 are dealing with food products, you know, in terms of  
12 looking at the microbiological issues in terms of  
13 whether or not there is any potential for food borne  
14 illness in terms of improper handling of the food  
15 because sometimes we send the food product home with  
16 the consumer. And, obviously, if that is the case, you  
17 need to make sure that they understand how to handle it  
18 if there are any issues associated with food borne  
19 illness.

20 The -- if there are situations that involve a  
21 food additive that is in the process of regulatory  
22 approval, that is to say it is not currently an  
23 approved food additive but this is part of the  
24 information that a company is trying to get in order to  
25 complete the petition process, then that protocol will

1 also -- we will also use an independent review --  
2 internal review board in order to review the test  
3 protocol.

4 So that is kind of our history with human  
5 subjects.

6 PROFESSOR CHARO: Thank you.

7 Members of the Commission, do you have  
8 questions, comments?

9 Let me start then if other people are still  
10 contemplating.

11 One of the observations about the current  
12 system has focused on enforcement. Specifically the  
13 current system covers those people who receive federal  
14 funds or are working with products that are regulated  
15 in a way that require certain kinds of independent  
16 review and informed consent, et cetera, such as FDA  
17 regulated pharmaceuticals and biologicals, et cetera.

18 So that the enforcement that exists when  
19 protections are not observed tends to be the withdrawal  
20 of federal funding or the withholding of approval of a  
21 product.

22 When one contemplates extending these  
23 protections to the private sector where there is no  
24 federal financing and no approval process contemplated,  
25 the question arises what enforcement mechanisms would



1 be appropriate, if any, beyond those we are now  
2 familiar with. And they range in the proposals that  
3 have gone before Congress from criminal penalties to  
4 civil penalties.

5 And I wonder -- perhaps I will start with Dr.  
6 Schreck, to the extent that your committee reviews  
7 protocols on occasion that do not involve collaboration  
8 with an otherwise regulated person like an investigator  
9 at a medical school that has a federal assurance, what  
10 has your experience been in terms of enforcement of  
11 these kinds of rules?

12 I do not know if you have ever had the  
13 occasion of people not understanding them well enough  
14 to have followed the procedures or the procedures  
15 having run into a snag, inadvertent or intentional.  
16 But what has been your experience and what might you  
17 suggest would be an appropriate kind of enforcement  
18 mechanism if this were to go to the private sector as a  
19 general rule?

20 DR. SCHRECK: Well, I really do not know that  
21 much about enforcement so I leave that to you folks to  
22 decide what it is you need to do to get people's  
23 attention.

24 In our case, we are a very visible and  
25 collectible entity and we probably spent a lot more

1 time considering each one of these things than most  
2 academic institutions simply because we really have to  
3 be extremely sure we do not do anything that is going  
4 to hurt someone or is not justified.

5 We have never done a protocol outside the  
6 scrutiny of the federal system any differently than we  
7 have within the scrutiny. As a matter of fact, we have  
8 only really done things in the last three or four years  
9 that are collaborative with the Federal Government so  
10 of that 150 protocols, 147 of them have all been  
11 privately done and we would not have done it any other  
12 way.

13 I mean, this was done -- Bob Fraush was the  
14 head of NASA when he came to the research labs and was  
15 our Vice-President. When he saw that there was human  
16 work being done, he said, "You know, we have to set  
17 this up the same way we did at NASA." And the  
18 protocol was established in '74 and really has not  
19 changed at all since then.

20 I do not know what gets people's attention in  
21 enforcement. There are probably people in Washington  
22 that know a lot more about that than we do and what you  
23 can practically put into place.

24 PROFESSOR CHARO: Dr. Chin, do you have  
25 anything to add?

1 DR. CHIN: I guess, in general, most of the  
2 things that we are involved with do not involve federal  
3 enforcement. I mean, the activities that we are  
4 involved with are -- you know, they are with foods or  
5 approved -- most usually with approved food additives.

6 Those times which -- I guess when non -- not  
7 yet approved food additives are being studied, you  
8 know, those have to be reviewed by FDA in terms of, you  
9 know, testing on human subjects.

10 PROFESSOR CHARO: The second thing I wanted to  
11 ask actually is more pertinent, I think, Dr. Chin, to  
12 you. We have a situation now with regard to herbal  
13 remedies and that family of food supplements. A  
14 situation in which there is no longer FDA regulation in  
15 the form that would resemble that of a pharmaceutical.

16 So we are left with what is currently kind of  
17 FTC regulation of consumer advertising and claims, et  
18 cetera.

19 Now a lot of the kind of work you described  
20 struck me as being the kind of market research that  
21 might well wind up being exempted from the overall  
22 human subjects rules that are developed under one  
23 system or another but some might not.

24 And herbal remedies struck me as one area  
25 where they might not necessarily get the kind of

1 exemption that you might expect for a variety of kind  
2 of, you know, taste preferencing kinds of things.

3 And I am curious what difference it might make  
4 in the development of these products should there be  
5 imposed a general expectation that the development  
6 process would be accompanied by the independent review  
7 by a committee of experts for the risks and benefits of  
8 the use of the product, alternatives that people might  
9 have for using different products rather than the one  
10 that is being tested, and the whole process of giving  
11 informed consent under those circumstances.

12 DR. CHIN: I guess, the whole issue of herbal  
13 supplements and, also, dietary supplements is --

14 PROFESSOR CHARO: Sure, that is a good  
15 addition to the list, yes.

16 DR. CHIN: Yes. I think we would agree that  
17 that is an area that is certainly one of controversy.  
18 We -- you know, I think that -- well, I really cannot  
19 speak for herbal supplements and dietary supplements  
20 because we are not involved with that and they have --  
21 they are not directly involved with what I would call  
22 the mainstream food industry for the most part.

23 So I do not know if I -- you know, if I should  
24 --

25 PROFESSOR CHARO: I am sorry. Would it be

1 fair to say then that your trade association does not  
2 incorporate within it the companies that are most  
3 directly involved in the development and manufacture  
4 and sale of those products?

5 DR. CHIN: That is correct. I mean, we are  
6 mainly the major food processing companies, the -- you  
7 know, the Campbell's Soups, the General Mills, the  
8 General Foods of the world as opposed to companies that  
9 manufacture herbal supplements.

10 PROFESSOR CHARO: Okay. Well, then in that  
11 case perhaps the question was poorly placed.

12 Bernie Lo?

13 DR. LO: I would like to ask a question of  
14 both of you. As we think about the federal  
15 regulations, we have heard a lot of suggestions that in  
16 some areas some of the regulations do not seem to be  
17 making much sense or are counter productive or  
18 whatever.

19 I was going to ask you in your experiences are  
20 there places where you find the federal regulations  
21 either to be problematic or not applicable to the type  
22 of research you do or in need of some improvements in  
23 any way?

24 DR. CHIN: Well, as I said, I think in -- most  
25 of the things that we do, we do not -- we do not fall

1 under the federal regulations and, you know, I think in  
2 terms of the types of consumer testing that we do, I do  
3 not quite know how we would implement -- first of all,  
4 I do not know what kind of shape -- what kind of form a  
5 regulation would take and then obviously how that could  
6 be transformed into a situation where potentially you  
7 do have, you know, thousands of people doing a test in  
8 many different locations. So, you know, in terms of  
9 that aspect of our research I really do not know where  
10 the federal regulations could work or how it could  
11 work.

12 PROFESSOR CHARO: Do you have any follow-up  
13 with that, Bernie?

14 Other questions, comments?

15 DR. MESLIN: Dr. Schreck has --

16 PROFESSOR CHARO: Oh, I am sorry.

17 DR. SCHRECK: I think, as I said, we really do  
18 not do that much and so I do not know that they would  
19 be much of a problem. We try to follow them anyway  
20 even when we are not required to because, I think, they  
21 give us good guidance as to what to do.

22 Once in a while you catch an overly  
23 enthusiastic researcher who wants to go do too much and  
24 has not done his literature well anyway and so I think  
25 the guidelines are protective for us even when are not

1 required to use them.

2 PROFESSOR CHARO: Alex?

3 PROFESSOR CAPRON: I think if there were IRB  
4 chairs from around the country who had heard your  
5 testimony most of them would be salivating, Dr.  
6 Schreck, at the resources which are apparently  
7 available in terms of time principally and obviously  
8 the very high quality of participants you have in your  
9 process.

10 You have spoken of roughly 150 research  
11 protocols over a 10 or 15 year period, is that correct?

12 DR. SCHRECK: About 26.

13 PROFESSOR CAPRON: A 26-year period. So half  
14 a dozen a year on average or something in that range.

15 Of that, do you have a sense of how many were  
16 ones which needed to be revised and, correlatively, are  
17 there any that involved such a low level of risk that  
18 you felt that there was a means of administrative  
19 approval that was acceptable?

20 DR. SCHRECK: That is a good question and I  
21 think it is one of the comments that was on your  
22 question sheet. Do we need guidance in any area? And  
23 I would say de minimis risk is one area.

24 Those typically -- those questions come to me  
25 and I decide whether there should be a protocol review

1 or not. Historically, we have had studies of the  
2 visual effects of air pollutants where people sit in a  
3 room and look at slides of Los Angeles' air quality on  
4 different days of the month and that is a de minimis as  
5 far as I am concerned. You know, I do not -- you know,  
6 eating in the cafeteria and looking at slides that are  
7 noncontroversial, those -- I pass those as de minimis.

8 I send them a letter and say you do not need a review.

9 PROFESSOR CAPRON: And that is not included in  
10 the 150?

11 DR. SCHRECK: That is not in the 150 so they  
12 do have to ask because we have had faculty members from  
13 Michigan who say you cannot show slides at the  
14 University of Michigan because some faculty have  
15 slipped in some pretty off color things and have gotten  
16 all sorts of excitement going and parents' letters and  
17 what have you. And, you know, slide showing is not de  
18 minimis in an academic surrounding but it is if you are  
19 looking at pictures of Los Angeles' air.

20 So, if anything, it would help us to --

21 PROFESSOR CAPRON: That is what we think of  
22 our air in Los Angeles, it is de minimis.

23 (Laughter.)

24 DR. SCHRECK: It would help us to get some  
25 better definitions of what is de minimis risk. I mean,



1 I consider driving on the highway in a normal passenger  
2 car to be a known and accepted risk. We would not have  
3 a protocol if you were just driving a standard  
4 production automobile in a standard road course. You  
5 start fooling with the braking system and so forth, and  
6 now you are experimenting, you know, then it is no  
7 longer a standard acknowledged risk.

8 PROFESSOR CAPRON: And on the other half of my  
9 question, about what number out of the 150 went at  
10 least twice around? That is to say he had problems  
11 with the design sufficient that you had to ask for a  
12 second review.

13 DR. SCHRECK: Oh, I would say when you get new  
14 investigators sometimes -- I would say maybe 20 percent  
15 or so you basically said, you know, go back -- maybe  
16 not even that. Maybe 15 percent. You would send them  
17 back for, you know, do this, do this. Often times they  
18 do not understand how to draft informed consent well.  
19 We send them back for that.

20 We send them back -- the subject of women in  
21 research has troubled us for a long time and we did a  
22 lot of "men only" studies and now we are trying more  
23 and more to do women studies and so you send them back  
24 and say, "Why don't you want women in the study?"  
25 "Well, usually fetal protection." "Well, could you

1 take women of child bearing age if you knew they were  
2 not pregnant?" "Sure. How can I tell they are not  
3 pregnant?" "Ask them and you test them."

4 (Laughter.)

5 DR. SCHRECK: So we just recently did a  
6 wonderful study on the provocation effects of air bag  
7 dust on causing asthmatic attacks and we had women in  
8 that study because we went back and we made them do  
9 that, and they ended up testing a lot of women of child  
10 bearing age. In fact, they ended up telling one young  
11 lady who did not know it that she could not be in the  
12 study.

13 PROFESSOR CAPRON: She was pregnant.

14 (Laughter.)

15 DR. SCHRECK: Which caused a great deal stress  
16 for all the investigators that morning.

17 PROFESSOR CAPRON: Yes.

18 DR. SCHRECK: But that is the story of thing  
19 that does get reviewed.

20 PROFESSOR CAPRON: Thank you.

21 PROFESSOR CHARO: Dr. Schreck, I understand  
22 that you are not subject to the federal regulations in  
23 many cases, most cases, even though you choose to  
24 follow most of them anyway.

25 What is interesting to me in the reply you

1 just gave is that although there are some categories of  
2 research of de minimis risk that do not require fully  
3 committee review and instead only the sign off by the  
4 administrator of the committee is necessary, in other  
5 cases de minimis risk signals the ability to do  
6 research without all of the formal requirements of  
7 informed consent but committee review is nonetheless  
8 required.

9           So that if the existing federal rules as they  
10 are written were to be extended to the private sector,  
11 it might actually increase the number of protocols that  
12 would have to come to your committee rather than going  
13 through you or somebody in your position as a more  
14 administrative kind of matter.

15           How might that affect your ability to handle  
16 the scale of the work against the resources that you  
17 have as well as handle the question of people feeling  
18 like their time was well spent in the reviews that they  
19 were asked to do?

20           DR. SCHRECK: A good two part question, yes,  
21 because I think in terms of the extra work load on us,  
22 it would be no problem at all. I get a de minimis risk  
23 every other year or something like that. You know,  
24 maybe one.

25           I think the committee would feel their time

1 was wasted reviewing a protocol over someone who was  
2 sitting in a darkened room looking at slides of Los  
3 Angeles' air. They would say, you know, "Why are you  
4 taking our time? You know, we have all got real jobs  
5 and we are coming here and you are paying us less money  
6 than we make in our clinical practice. I am spending  
7 four hours with you today and I should be doing  
8 something else." I think that would be a problem.

9 PROFESSOR CHARO: David?

10 DR. COX: Yes. To follow-up on sort of your  
11 own suggestion because we have wrestled with this a lot  
12 on the Commission, which is how you define de minimis  
13 risk.

14 DR. SCHRECK: That is what I could use some  
15 help on.

16 DR. COX: So we do, too. And so how would you  
17 define it?

18 DR. SCHRECK: Well, I suppose the de minimis -  
19 - I guess the definition would be that the risk is so  
20 low that it is no different than what you are exposed  
21 to in your every day life, whether it is eating at the  
22 cafeteria, driving to work. The sorts of things that -  
23 - the kind of risks that you know and acknowledge and  
24 are willing to get out of bed and take every morning.

25 If a program -- a protocol involves deceit, we

1 would always run that and rehearse those people through  
2 what you need to do if you deceive the subjects for a  
3 purpose and the committee understood the purpose  
4 beforehand and then you went back and debriefed them  
5 afterwards, and recaptured their confidence. We would  
6 always review a protocol like that.

7 And anything with a possibility of a greater  
8 risk than that I think would have to be reviewed.

9 PROFESSOR CHARO: Just a clarification. When  
10 you say the risks of every day life, are you talking  
11 about kind of a national average, a local average, or  
12 of the particular subject you are recruiting?

13 DR. SCHRECK: I guess we are talking  
14 nationally about what it is like to live in America.

15 PROFESSOR CHARO: Okay. Marjorie?

16 DR. SPEERS: I have --

17 PROFESSOR CHARO: Oh, I am sorry.

18 DR. COX: Can I just say that is extremely  
19 helpful? Thanks. Because the -- these kind of  
20 practical issues from -- answers from the real world, I  
21 think, will serve this Commission in very good -- a  
22 forum for coming up with useful recommendations.

23 DR. SCHRECK: For our purposes, if we go out  
24 and modify the way a brake system works -- now there  
25 are all sorts of smart braking systems that can tell

1 you, you are about to hit the -- slow you down before  
2 you hit the car in front of you and what have you.  
3 That is no longer de minimis risk. It is not the way -  
4 - if you drive to San Francisco, take a rental car out  
5 of the lot and drive it, that is the way a car should  
6 drive. You understand that it behaves the way all 100  
7 million of them do.

8 You start playing around with that, you are  
9 playing around with this person's interaction with that  
10 piece of machinery and he is going at high enough  
11 speeds. There is a lot of kinetic energy involved and  
12 you can get hurt so you are no longer working against  
13 that background at baseline.

14 DR. COX: Okay.

15 PROFESSOR CHARO: Okay. Marjorie?

16 DR. SPEERS: Yes. I have two questions. One  
17 is do you do studies that involve the use of medical  
18 records and, if you did, would that be the type of  
19 study that you would put through an IRB for review?

20 DR. SCHRECK: We have done some investigators  
21 at a university and they were doing a lot of work with  
22 alcohol and drug blood levels. So this did get  
23 involved in emergency room blood sampling and record  
24 keeping, and certainly that goes through because it has  
25 to do with privacy and it gets to be very sticky

1 because the police have access to that data or they can  
2 want to get that data. So that was a very difficult  
3 review.

4 DR. SPEERS: Okay. My second question is when  
5 you talk about following the federal regulations, could  
6 you clarify which federal regulations you follow? I  
7 ask that question because when we talk about the Common  
8 Rule, that is 45 CFR 46 Subpart A, there are -- the 45  
9 CFR 46, which includes four subparts, A, B, C and D,  
10 and I just wanted to get a sense so that we are clear  
11 on when you talk about federal regulations what it is  
12 that you are following.

13 If it is, for example -- just to help you a  
14 bit -- if it is what the Department of Transportation  
15 requIRBs that you follow, that would be their Code of  
16 Federal Regulations or it would be the Common Rule.

17 DR. SCHRECK: That is really what we are  
18 following is the Common Rule as expressed by U.S. DOT.

19 DR. SPEERS: Okay.

20 DR. SCHRECK: Which is 45. I do not know. We  
21 set it up on 45 CFR whatever 20 some years ago because  
22 that was what was in existence at that time.

23 DR. SPEERS: Okay.

24 PROFESSOR CHARO: Other members of the  
25 Commission?

1 DR. CASSELL: Well, I just have a -- I mean,  
2 one nice thing about being on a panel is you learn  
3 things. Who contributes their body to automobile --

4 (Laughter.)

5 DR. CASSELL: -- crash research? Where do you  
6 get those bodies?

7 DR. SCHRECK: Those willed bodies?

8 DR. CASSELL: Yes. Who does that?

9 DR. SCHRECK: The State of Michigan logs on  
10 the back of your driver's license if you want to donate  
11 your body to medical research and --

12 PROFESSOR CHARO: Oh, it is considered medical  
13 research.

14 DR. CASSELL: And you get it, too? You get it  
15 or the medical school will get it.

16 DR. SCHRECK: If we are working with that  
17 medical school they may harvest other parts out for  
18 other purposes and you may end up taking --

19 DR. CASSELL: You mean I could end up driving  
20 an Oldsmobile even --

21 (Laughter.)

22 DR. SCHRECK: You may end up taking a short  
23 ride on a very fast sled.

24 (Laughter.)

25 DR. SCHRECK: Most of that work -- I think



1 most of that work is behind us. I do not believe there  
2 is much to be learned about what it takes to break a  
3 femur or crack a skull.

4 PROFESSOR CHARO: Eric, I have got to thank  
5 you because I was dying to ask that question.

6 DR. CASSELL: Yes.

7 (Laughter.)

8 PROFESSOR CHARO: It is not just me.

9 Other members of the Commission?

10 I did have one or two quick ones, I think, for  
11 Dr. Chin, if I may, and then if other members of the  
12 Commission do not have any further questions we may  
13 conclude this a little bit earlier than we anticipated  
14 and take a very short break while we get Don Chalmers  
15 on the phone in Malaysia.

16 Dr. Chin, as you may have noticed, there has  
17 been a bit of controversy worldwide about genetically  
18 modified foods.

19 DR. CHIN: What is that?

20 (Laughter.)

21 DR. SCHRECK: It is GM.

22 (Laughter.)

23 DR. CHIN: Oh, GM.

24 (Laughter.)

25 PROFESSOR CHARO: You understand this is why

1 you are here together, right, for GM and food.

2 I found myself wondering, again in a  
3 theoretical world in which your industry was now  
4 regulated in a way it currently is not with regard to  
5 certain kinds of research on food preferences and  
6 tolerances, et cetera, et cetera.

7 How you imagine your industry might structure  
8 its discussions of risks and benefits when there is a  
9 disconnect between risks that have been identified in  
10 the technical literature versus risks that are  
11 perceived or feared by the consumers?

12 It is a question and, in fact, Professor  
13 Capron actually wrote on this 20 years ago in the  
14 context of medical care about kind of point of view and  
15 whose point of view controls the information delivery.

16 DR. CHIN: I think given the current climate  
17 or debate in terms of GM foods, we would consider, you  
18 know, testing that involves GM foods in the same light  
19 as dietary preferences. That is to say if you are  
20 doing testing on -- in terms of doing the screening,  
21 when you are screening your consumers in terms of, you  
22 know, do they have allergies, do you have intolerances,  
23 do you have religious objections to any type of diets.

24 I think those would -- that kind of thing  
25 would go into the prescreening. You know, so obviously

1 if someone says that if they -- for whatever reason --  
2 they have an objection to genetically modified foods,  
3 they would be screened out of that process, you know,  
4 if that type of product was going to be used, and if  
5 you are going to be testing a genetically modified  
6 tomato it would be, you know, ethical to let your  
7 consumers know that that is involved and go through a  
8 screening process, I think, to screen out those people  
9 who have those types of objections for whatever reason.

10 PROFESSOR CHARO: David?

11 DR. COX: Yes. Actually your discussions made  
12 me think of --

13 PROFESSOR CHARO: Microphone, David.

14 DR. COX: -- of a scenario that I do not know  
15 the answer to and actually it is sort of for both of  
16 you. It is do you ever use the same subjects more than  
17 once in more than one type of situation or is it almost  
18 always you go out and you get a different cohort of  
19 people, but are you -- do you have a reason or do you  
20 go back to the same people for whatever reason?

21 DR. CHIN: Well, I guess speaking for the  
22 laboratory that I am involved with, they have a pool  
23 of, I believe, something like 40,000 people in our  
24 geographic area and those are -- that pool is  
25 characterized according obviously to age, gender, types

1 of preferences but I think it is possible -- I mean,  
2 there is no process to eliminate people.

3 Say if we brought you in once to evaluate  
4 salsa and you like Mexican food, we are not -- there is  
5 no reason not to bring you in to evaluate another type  
6 of, let's say, Spanish rice. Okay. So there is no  
7 intent to exclude people on the basis of the amount of  
8 participation that they have had.

9 DR. COX: But to put that a different way, if  
10 somebody likes salsa do you actively recruit them to  
11 test Spanish rice?

12 DR. CHIN: Yes.

13 DR. COX: Okay.

14 DR. CHIN: As a matter of fact, yes.

15 DR. SCHRECK: We generally do not re-recruit  
16 people. However, if we have found a special category  
17 that is very, very hard to find subjects for and we  
18 have found a special subject -- I will give you an  
19 example.

20 While we were studying the effect of air bag  
21 dust that is generated when the bags inflate on  
22 asthmatics, we found that generally in the U.S.  
23 population about 40 percent of asthmatics are sensitive  
24 and have responses to air bag dust and about 60 percent  
25 do not. When we found these people we wanted to find

1 out why.

2 DR. COX: Exactly.

3 DR. SCHRECK: Was it the pH? Was it the dust  
4 level? Was it an ion that was in there?

5 DR. COX: Yes.

6 DR. SCHRECK: And we went back to the  
7 manufacturers of the inflaters and we said, "We want  
8 you to make a new inflater that has the same  
9 characteristics but has no sodium in it." And they  
10 made a dozen of those things.

11 We actively sought those people and said, "We  
12 know it was unpleasant. We will have the doctor there  
13 right outside the car the next time again. We want you  
14 to try a different bag that has no sodium in it and see  
15 if it was the sodium." So in that case we did go back  
16 a second time.

17 PROFESSOR CAPRON: Was it?

18 DR. SCHRECK: No, it is not the sodium. It is  
19 the -- well, of course, the pH is about 11.5 and it is  
20 a micron aerosol and you can imagine a milligram of  
21 11.51 micron aerosol just penetrates right through all  
22 your respiratory defenses and goes right to the  
23 pulmonary area.

24 It was the dust level. If you get the dust  
25 level down below 200 micrograms per cubic meter and you

1 will not have an attack.

2 PROFESSOR CHARO: Bill Oldaker?

3 MR. OLDAKER: Dr. Chin, so that I might  
4 understand a little bit better, when your companies  
5 that belong to your association test a food ingredient  
6 that FDA has not listed as generally regarded as safe,  
7 a new additive, do you test those on human subjects,  
8 or how do you go about -- how do companies -- I realize  
9 the trade association does not do that -- how do the  
10 companies go about getting FDA to approve those for a  
11 food additive?

12 DR. CHIN: Well, I mean, that -- basically the  
13 food approval -- the food additive approval process is  
14 a multi-step. I mean, it includes the chemical  
15 characterization, the requisite toxicology tests, and  
16 then like obviously in the case of something like  
17 Olestra, you know, they then did some human studies.

18 So the human studies are, in essence, the last  
19 step of the process and it is probably also part of the  
20 process in terms of consumer acceptance. You know,  
21 after you have gone through the toxicology and  
22 determined that there is no risk to the consumer, it is  
23 at that point that you do a tastes panel and I think at  
24 that point is then when they start to do -- to  
25 determine what -- recognize what some side effects

1 might be. I do not know if that answers the question.

2 MR. OLDAKER: And those studies are regulated  
3 by the FDA --

4 DR. CHIN: Yes. I mean, those would be done  
5 in --

6 MR. OLDAKER: -- as far as human subjects.

7 DR. CHIN: Yes. Well, those types of studies  
8 would be done under a clinical situation setting.

9 MR. OLDAKER: Right.

10 PROFESSOR CHARO: Other -- well, I think as a  
11 potentially final question I would be remiss not to ask  
12 you to comment on these same issues in a transnational  
13 context.

14 To the extent that you have, in fact, overseen  
15 or have been involved with people who oversee human  
16 subjects research, what, if anything, has been done  
17 differently when there has been a collaboration across  
18 national borders and if you have no experience with  
19 that, feel free to just contemplate what it would be  
20 like if you were to work across national borders and  
21 speculate as to what might have been done differently.

22 This is like -- you know, it is like To Tell  
23 the Truth where the three contestants were always  
24 looking at one another and they would both begin to go  
25 up and down.

1 DR. SCHRECK: We have not done anything  
2 outside the country. However, we worked very hard at  
3 trying to set up air quality pulmonary studies about 10  
4 years ago in a number of other countries where air  
5 quality was extremely bad and contained the same kinds  
6 of chemical problems that our air has and we were  
7 anticipating that as these countries came on line we  
8 would see an order of magnitude improvement in air  
9 quality and be able to use these people as their own  
10 controls.

11 Unfortunately, for various reasons and  
12 nobody's country wanted to cooperate with us, so the  
13 studies were never done.

14 But basically we looked around and these were  
15 Second World countries I would say who were coming on  
16 line. We looked for people who were graduates of U.S.  
17 medical schools who were practicing or at universities  
18 in those countries and tried to see if we could find  
19 that kind of collaboration.

20 PROFESSOR CHARO: But, for example, with your  
21 air bag studies concerning asthma attacks, since the  
22 cars that you manufacture are going to be sold widely  
23 around the world and not just in the U.S. and, indeed,  
24 you probably could list the five non-U.S. markets that  
25 are the largest for your cars or those kinds of air



1 bags, any interest, need, speculation about running  
2 similar sets of tests to see if the population of  
3 asthmatics there against the backdrop of pollutants and  
4 other environmental conditions there would yield  
5 different conclusions about what is a safe level of  
6 dust or an optimal level of dust?

7 DR. SCHRECK: No, differences internationally  
8 probably have a lot less to do with -- you know, given  
9 the concentrations of materials you are dealing with in  
10 a closed car, whatever your background air pollutants  
11 are in Brazil, are minimal compared to what you are  
12 being exposed to at that time.

13 I think generally the need for studies are  
14 different in different countries and what they require  
15 are different, and that is probably an overriding  
16 factor as to what you are going to use. You are going  
17 to have various other regulations. It is a funny thing  
18 but science does not seem to be the same in all the  
19 countries of the world that practice it. Have you  
20 noticed that? Otherwise, we would probably come to a  
21 common level of air quality control and certain crash  
22 performance standards for cars and yet they seem to be  
23 different in all sorts of places.

24 And so those might cause a need for study but  
25 then again laws are different in different countries.

1 In European countries you have a type of approval when  
2 the Federal Government decides that everything looks  
3 well done and what have you, they basically give it a  
4 stamp of approval and you do not need to do testing  
5 beyond that. So there is no motivation to go ahead and  
6 do any more than that.

7 PROFESSOR CHARO: Dr. Chin?

8 DR. CHIN: The only circumstance that comes to  
9 mind is a slight variation upon, I guess, maybe what  
10 you are asking. The circumstance that comes to mind  
11 most recently is that we were involved with a situation  
12 where a company wanted to bring a product into the  
13 United States. It was basically a product that was on  
14 the market in Europe or it would be similar to a  
15 product that is a product in Europe and what they  
16 wanted to do was to evaluate how American consumers  
17 would like this particular product.

18 And so they would have to have -- but it was  
19 going to be slightly different from what was actually  
20 on the European market so they were going to have to go  
21 through a special production run and so the kinds of  
22 issues that arose there was to make sure that in terms  
23 of the production it satisfied all of the requirements.

24 It happened to be a can product -- that it  
25 satisfied all of the FDA requirements in terms of

1 safety and that we would be comfortable with -- that  
2 they would not present any hazards in terms of food  
3 borne illness and that was what we were primarily  
4 looking at.

5 So it is not quite the same thing as you were  
6 asking.

7 PROFESSOR CHARO: Alex?

8 PROFESSOR CAPRON: Both of you described  
9 mechanisms for review of protocols and standards for  
10 that that are, as far as I can see, very close to, if  
11 not identical to that which would exist in a federally  
12 sponsored research.

13 Three years ago the President declared his  
14 view that all Americans should have the protection if  
15 they are research subjects of those kinds of standards  
16 and our Commission when looking at an area where there  
17 was a good deal of actual or potential private  
18 research, namely human cloning with the potential for  
19 fertility clinics if there had been a boom to go in  
20 this direction being likely sponsors since the Federal  
21 Government was not going to be a sponsor, went on  
22 record as saying that we thought there was value in all  
23 research, enjoying what are sometimes referred to as  
24 the triple protections of informed consent,  
25 risk/benefit assessment and prior review by a review

1 board.

2 And I wonder whether if you were speaking to  
3 others in your fields, other automobile manufacturers,  
4 other people involved in foods and the like, you would  
5 say that you think, indeed, all research that is  
6 privately conducted should adhere to the kind of  
7 standards that you have chosen to adhere to.

8 DR. CHIN: I think in terms of the kind of  
9 work that we do and interactions that we have had with  
10 companies that have been clients of the work, the issue  
11 has been a question of legal liability and so those  
12 kinds of issues -- the points that you have raised,  
13 whether it be -- in spite of the fact that a sponsor at  
14 this point -- I think people have undertaken to do that  
15 in order to protect themselves against the legal  
16 liability that would be associated with this type of  
17 testing.

18 And I guess that is the primary motivation for  
19 -- one of the primary motivations for doing the  
20 informed consent and doing the reviews and, you know,  
21 those kinds of a -- undertaking those kinds of actions.

22 PROFESSOR CAPRON: Right.

23 Dr. Schreck?

24 DR. SCHRECK: Yes, I agree. I think that  
25 getting outside the auto industry even, I think to any

1 Fortune 500 company would certainly not go in for these  
2 kinds of testing without following these kinds of rules  
3 either. I think that they understand that they have a  
4 certain liability. They would not want to do the wrong  
5 thing and these would give them some guidance as to  
6 what they ought to be doing.

7 PROFESSOR CAPRON: I guess the question that  
8 we face as a Commission is whether we ought to  
9 recommend that such requirements be made part of all  
10 such research. There are obvious questions about  
11 whether the Federal Government has the authority to  
12 command that outside those areas which are subject to  
13 regulatory approval like drugs or devices and the like.  
14 Perhaps food stuffs.

15 But whether -- to get to the ethical issue  
16 underlying it, whether these are standards that are so  
17 basic that it really -- we ought to live in a society  
18 in which anyone who is recruited into research has  
19 those protections and I understand the answer would be  
20 when you are looking at the kinds of companies you are  
21 talking about, they are going to do it because they  
22 would fear that if they do not do that they are going  
23 to harm people in ways for which they could end up  
24 being made liable.

25 I guess my question comes at it from the

1 ethical side rather than the legal side of whether  
2 these are the kinds of norms which would be reasonable  
3 to expect because they are the sorts of results and the  
4 sorts of protections that we would want everyone who is  
5 recruited into research to enjoy.

6 And I do not know if you can respond as to  
7 your evaluation as people who follow these rules and  
8 thinking about whether they really ought to be things  
9 which everyone follows.

10 DR. SCHRECK: Do we have any knowledge of how  
11 extensive this area of research is that is beyond the  
12 purview of the Common Rule?

13 PROFESSOR CAPRON: Well, you know, one of the  
14 problems is that we do not have that knowledge even  
15 about research which is covered by the Common Rule. It  
16 remains an issue and it is something that I have  
17 personally thought it is hard for the Federal  
18 Government to make this a commandment to others on the  
19 basis that you see we require it here and look at all  
20 the good it does when we do not know -- no one could  
21 give you either the numerator or the denominator on the  
22 number of people involved and the number who suffer bad  
23 consequences or the number who are in protocols that  
24 should not have been approved or the number -- I mean  
25 whatever fraction you want to do, we do not know

1 because we do not have those data.

2           There is a sense that if the agencies all got  
3 on the stick about this they might be able to say,  
4 "Well, at least as to research we fund, if not research  
5 that we regulate, we have some sense of how many  
6 protocols there are," and we could ask researchers to  
7 report back, "Well, how many people did you actually  
8 enroll in the last year," and so forth but it has not  
9 been done.

10           But as to the others, there is even a bigger  
11 shrug in saying, "Well, how would we know? I mean, how  
12 many people are in all these different studies that  
13 different people are conducting?" And maybe that is a  
14 reason for saying that we should not bother or try to  
15 regulate it because it would be so hard to get our arms  
16 around it or it might be a way of saying, "Gee, we  
17 would feel at least more comforted if we knew how many  
18 studies are going on." But I do not think there is an  
19 answer to your question as to the federal much less the  
20 nonfederal research.

21           DR. SCHRECK: I mean, to some extent America  
22 is an unusual place because we make up laws after  
23 something goes wrong and we assume that there is sort  
24 of a clear background space in which there are no laws  
25 and we just sort of fit them in as we need them as

1       opposed to other countries that set up general laws and  
2       try to fit circumstances within that legal code.

3               To some extent to make a rule before we knew  
4       there was a problem would go against that sort of  
5       philosophy of law making.

6               On the other hand, the companies that you talk  
7       about that are not the Fortune 500's, the start up  
8       companies that are doing genetic material and what have  
9       you, are probably the scariest practitioners of all.

10              So that is not an answer to your question  
11       either but I can see your concern.

12              PROFESSOR CAPRON: I think it is very --

13              PROFESSOR CHARO: And on that -- I am sorry.

14              PROFESSOR CAPRON: Yes. Well, I think -- just  
15       to finish the answer to your question. I think it is  
16       fair to say that the cases that have been enumerated to  
17       us where nonfederally funded research was done without  
18       the kinds of reviews that we are talking about, are to  
19       the best of my recollection -- others may recall other  
20       cases -- within the biomedical area and they were  
21       simply people -- practitioners or otherwise -- who  
22       stepped into doing something that seems to an outsider  
23       clearly to have been research without bothering to go  
24       through any of these steps.

25              So they are not so much the examples of things



1 from the entrepreneurial side, as it were, but we do  
2 not know whether those exist.

3 PROFESSOR CHARO: On that note, I am going to  
4 thank you both for having come and educating us about a  
5 sector that we had not really discussed very much  
6 before. It is very much appreciated.

7 And I am going to ask the Commissioners to  
8 please come back in eight minutes-and-47 seconds, which  
9 according to Eric's wristwatch would be at 4:45.

10 We will use the intervening time to get Don  
11 Chalmers on the telephone.

12 Thank you very much.

13 (Whereupon, at 4:36 p.m., a break was taken.)

14 PANEL III: ALTERNATIVE MODELS

15 DR. MESLIN: Donald, can you hear me? It is  
16 Eric Meslin.

17 PROFESSOR CHALMERS: Hello. You are a little  
18 bit faint.

19 DR. MESLIN: Okay. Donald, we are just about  
20 to reconvene. I just wanted to make sure that you  
21 could hear my voice. Can you?

22 PROFESSOR CHALMERS: Yes, I can hear you.

23 DR. MESLIN: Well, that is the only voice you  
24 have to hear right now since we are just coming back  
25 from a break.

1           PROFESSOR CHALMERS: Good.

2           PROFESSOR CHARO: Most people are not back. I  
3 wonder if we can -- could you please go out, thank you,  
4 and try to round people up?

5           For the Commissioners that are in the room, if  
6 I can encourage everybody to join us, we will let  
7 Professor Chalmers -- what time is it for you, Don?  
8 Donald?

9           PROFESSOR CHALMERS: Hello, Alta?

10          PROFESSOR CHARO: Hey. What time is it for  
11 you?

12          PROFESSOR CHALMERS: You are very faint.

13          PROFESSOR CHARO: Donald, what time is it for  
14 you?

15          PROFESSOR CHALMERS: Oh, it is only a  
16 beautiful quarter to 8:00.

17          PROFESSOR CHARO: Quarter to 8:00 in the  
18 morning?

19          PROFESSOR CHALMERS: Yes.

20          PROFESSOR CHARO: You are in a whole different  
21 place.

22          (Laughter.)

23          PROFESSOR CHARO: We are at the end of the  
24 day. Be merciful to us.

25          PROFESSOR CHALMERS: How have you worked on

1 today?

2 (Laughter.)

3 PROFESSOR CHARO: We had a few fireworks at  
4 certain points.

5 Okay. I think we have all gathered back in  
6 the room again. I am going to turn the microphone over  
7 to Eric for just a moment.

8 PROFESSOR CHALMERS: Thank you.

9 DR. MESLIN: Donald, greetings and welcome to  
10 the Commission meeting. This sounds a bit formal since  
11 I had spoken to you just briefly but I did want to  
12 extend the Commission's thanks to you for taking time  
13 out of your scheduled vacation and also for your  
14 extremely comprehensive paper that the Commissioners  
15 have been provided.

16 Harold Shapiro, the Chair of our Commission,  
17 extended his regrets that he was not able to be here to  
18 hear your presentation but he has read the paper and  
19 has a number of comments.

20 For the Commission's benefit and just as a  
21 matter of housekeeping, we have asked Professor  
22 Chalmers to just give a very brief, no more than ten  
23 minute, overview of the paper that he has provided  
24 summarizing what we believed were the key points about  
25 the Australian research ethics system.

1                   It is a draft paper and there are  
2 opportunities for expansion and additional points that  
3 need addressing.

4                   Let me just briefly introduce Professor  
5 Chalmers, who is the Dean of the Law School at the  
6 University of Tasmania, and he has just completed two  
7 three-year terms as the Chair of the Australian Health  
8 Ethics Committee about which you will hear more. I  
9 know that Professors Charo and Capron, who know  
10 Professor Chalmers quite well, will agree with me that  
11 it is quite a privilege to have him with us, both long-  
12 distance and in written form.

13                  So, Donald, with that introduction, there are  
14 about 10 Commissioners in the room, a couple also on  
15 telephone, there are members of the public and our  
16 staff here in sunny San Francisco, and it is the end of  
17 the day on Monday, and that is the orientation that you  
18 need so with that I would like to invite you just to  
19 give your few brief opening remarks before we then turn  
20 it over to Commissioners for some questions.

21                                 DONALD CHALMERS, LL.B., CHAIRMAN  
22                                 AUSTRALIAN HEALTH ETHICS COMMITTEE  
23                                 FACULTY OF LAW, UNIVERSITY OF TASMANIA

24                   PROFESSOR CHALMERS: Well, thank you very  
25 much.

1           Thank you for the invitation to speak with the  
2 National Bioethics Advisory Commission and, of course,  
3 a welcome to those members of the public who are  
4 present today.

5           I think it is a very healthy feature of the  
6 American system the way that you have these meetings of  
7 your Commission open.

8           You have asked me very briefly to address the  
9 overall Australian research ethics system. It is  
10 actually very close to the American system with, I  
11 think, some local differences. I have in the paper  
12 tried to explain that we have a three-tier system. I  
13 have tried to develop that because I think it is  
14 important that we realize that the researcher who  
15 carries a primary responsibility for ethical  
16 consideration and responsibility for protection of  
17 research subjects, I think in this country there have  
18 been at times feelings amongst the researchers that  
19 they are not trusted and that we have quite  
20 deliberately in our new national statement on ethical  
21 conduct in research involving humans reasserted at  
22 various places the responsibility that the researcher  
23 carries towards the design of the project and the  
24 ethical responsibilities to the research participant.

25           Secondly, we have human research ethics

1 committees. These used to be called Institutional  
2 Ethics Committees and are directly comparable with the  
3 U.S. Institutional Review Boards.

4 We introduced Ethics Review Committees about  
5 the same time that the United States introduced them  
6 following federal legislation. We were aware of the  
7 developments in the United States but it followed a  
8 slightly different path, which I will follow later, but  
9 there are direct comparisons.

10 The difference, I suspect, is that at a third  
11 level we have a national body called the Australian  
12 Health Ethics Committee, which has a number of specific  
13 responsibilities within the system. Notably, the  
14 Australian Health Ethics Committee has sole  
15 responsibility for the development of guidelines for  
16 the conduct of medical research. That is a power which  
17 is conferred by Commonwealth Statute. Commonwealth is  
18 our federal parliament, and it also has a number of  
19 other associated responsibilities towards developing  
20 health guidelines. But in specific terms it has sole  
21 responsibility for the development of guidelines for  
22 ethical conduct of medical research. So much so that  
23 it is the Australian Health Ethics Committee which  
24 actually carries out the consultation.

25 Those guidelines are then simply presented to

1 the National Health Medical Research Council, which is  
2 the governing body within which the Australian Health  
3 Ethics Committee is situated. The NHMRC cannot alter  
4 or change those guidelines.

5 And then finally the guidelines are laid --  
6 they are formally presented to the Federal Commonwealth  
7 Parliament for 15 days, which is the usual procedure,  
8 and then those become binding within the system.

9 So that is our three layers, so to speak.

10 The other introductory remark I would like to  
11 make about the Australian research situation is one in  
12 realizing that we are not a nonregulated system. I  
13 believe there are occasions when I think the Australian  
14 system is described as entirely self-regulatory. That  
15 would have been absolutely correct about 1990 but over  
16 the last decade greater amounts of legislation have  
17 been promulgated which impact on our system so I think  
18 it is correct now to describe the Australian system as  
19 a hybrid or mixed regulatory, self-regulatory system.

20 Perhaps the most important change was the  
21 National Health and Medical Research Council Act in  
22 1992. That is a Commonwealth piece of legislation,  
23 which brought the NHMRC from an entirely self-  
24 regulating organization into a formal regulatory  
25 institution which has reporting responsibilities to the

1 Commonwealth Parliament. It has accounting  
2 responsibilities and so on.

3 But the development of the Australian research  
4 system, of course, is related very much to the research  
5 culture, legislation, history and external influences.

6 I think when we start looking at research ethics in  
7 different countries, we can see lots of parallels but I  
8 suspect that most of the individual stories are quite  
9 autochthonous. They are quite unique to individual  
10 countries because, as in your country, as I tried to  
11 say in the paper, you had some specific revelations  
12 about impropriety in research, particularly the  
13 revelations about Professor Beecher. We have had no  
14 such dramatic watershed event in our development so I  
15 have tried in the paper to spell out some of those  
16 nuances of the way in which the Australian system has  
17 developed.

18 Perhaps most significantly, we have actually  
19 tested the development of a national body from 1989 to  
20 1991, a body called the National Bioethics Consultative  
21 Committee, which was briefed to give advice on matters  
22 of reproductive technology.

23 That was a very short-lived experiment but I  
24 think it later developed into a combination of the  
25 National Bioethics Committee with a research ethics



1 body within the National Health Medical Research  
2 Council, which was called the Medical Research Ethics  
3 Committee.

4 I apologize for the terrible number of  
5 acronyms and descriptions but these two bodies came  
6 together and eventually formed our National Australian  
7 Health Ethics Committee. And I think that particular  
8 flow suggests strongly that I think we can transplant  
9 the Australian Government to places such as California  
10 where I think it, in fact, has been actually  
11 transplanted but, of course, all transplants require  
12 considerable pruning to make them suitable for  
13 conditions. There are differences.

14 Well, that is, I hope, a useful summary of the  
15 roles of the Research Ethics Committee and Australian  
16 Health Ethics Committee.

17 I think the second major characteristic that  
18 may be of some interest to the NBAC is the recent  
19 development of a national statement on ethical conduct  
20 in research involving humans.

21 The Australian National Health Medical  
22 Research Council was one of the first government or  
23 first organizations to formally introduce a code of  
24 research practice within Australia following the lead  
25 of the Declaration of Helsinki in 1965. We have had a

1 statement operating right through since 1967.

2 For a variety of reasons, which are developed  
3 in the paper and I certainly shan't go into it now,  
4 there was a movement during the 1990's, which really  
5 culminated in a reference from the Commonwealth  
6 Minister because the Minister can brief the Australian  
7 Health Ethics Committee so there is a political  
8 connection there to say, "We would like you to review  
9 the old statement on research ethics." It was called  
10 "The Statement of Human Experimentation."

11 We conducted a public consultation and I think  
12 that is something which I am sure the members of the  
13 public present with you in your deliberations would be  
14 interested in and I hope that NBAC will be interested  
15 to know that we are required under the terms of the  
16 Act, that is the National Health Medical Research  
17 Council Act, to carry out two stages of public  
18 consultation.

19 At stage one we advertise our intention to  
20 review the guidelines on research ethics and we receive  
21 public submissions.

22 Once we have very carefully analyzed,  
23 assimilated, amended, discussed, incorporated those  
24 comments into a draft set of guidelines, we are then  
25 required as a second stage consultation to represent

1 those guidelines for public comment so that, as it  
2 were, there can be no suspicion that the Australian  
3 Health Ethics Committee has developed the guidelines  
4 themselves in the AHEC, excapitalitive (sic) statements  
5 are to be prevented.

6 So from that extensive two-year public  
7 consultation we produced the new national statement.  
8 It is a comprehensive statement covering all research  
9 on humans.

10 So the very first point in relation to this  
11 national statement is that we have a very comprehensive  
12 view of what is meant by research. It goes beyond  
13 experimentation in a medical setting. It is intended  
14 to cover all research involving humans, including  
15 health research, psychological research, or other forms  
16 of social science research involving humans.

17 We were not prepared to say that there should  
18 be some neat line of what might be called dangerous  
19 research and experimentation where the protections  
20 apply as opposed to other forms of research where there  
21 may be harm involved.

22 I think particularly in the case of harm, I  
23 think nowadays we think in terms of privacy as being an  
24 important component in our community. I think we also  
25 believe that there are obligations of researchers in

1 the way in which they conduct the research and the way  
2 that they interact with the community, which I think  
3 requIRBs high standards to be said.

4 So there is a number of comments which I have  
5 made within the paper, which again I will not reiterate  
6 here, explaining why we went for this wider definition  
7 of research.

8 Secondly, we have, as I mentioned earlier,  
9 tried to research the great responsibilities on  
10 researchers. I think we have become concerned with the  
11 -- with a view that all ethical review was conducted by  
12 ethics committees. Ethics committees are not police  
13 people. They are not the police. They have not got  
14 the resources to go around checking every single  
15 project.

16 Rather, we -- in an article which I wrote with  
17 a colleague we tried to compare them to the  
18 firefighters. When you want the community to take a  
19 responsibility, the research community to take a  
20 responsibility, and when there is an instance which  
21 occurs then the ethics committee should have the  
22 capacity to respond to address that difficulty. So we  
23 have got a very strong view that the researchers have  
24 to be reminded constantly that their professional  
25 associations, their professional standards matter very

1 much, indeed.

2 Thirdly, we have looked at the interaction  
3 between the public and private sector. I think as in  
4 the States, Australia in its public arena is very  
5 heavily regulated. It is not possible to conduct  
6 research with public funding without ethics committee  
7 approval. In simple terms, from 1967, the major  
8 funding body, the National Health Medical Research  
9 Council, made it a condition of receipt of public funds  
10 that the project was approved by an ethics committee.

11 Over the last decade, other public funding  
12 bodies have followed suit. So essentially the public  
13 area is entirely regulated by ethics review systems.

14 There has, however, been a feeling that the  
15 public -- the public protection -- sorry, the public  
16 coverage of publicly funded research does not compare  
17 favorably with the private sector.

18 What we have noticed is that we have not  
19 recommended any federal legislation at this stage to  
20 cover private institutions because we have actually  
21 found out through public consultation that for a  
22 variety of reasons many, if not most, of the private  
23 institutions are, in fact, complying voluntarily  
24 through self-regulation with the national statement.

25 The first reason, of course, is that many

1 private institutions receive public funding. They are  
2 not simply entirely privately funded.

3           Secondly, because there is no required  
4 standard nationally for the review of publicly funded  
5 research that is setting the benchmark and many of  
6 those private institutions are being legally advised  
7 that they opt sort of best practice standard so that if  
8 there was any untoward occurrence within the privately  
9 funded institution they could show that they were  
10 following best practice standards, which is of course  
11 in the public arena.

12           And then, thirdly, we are finding that some of  
13 our regulatory authorities such as the Therapeutic  
14 Goods Administration, that is a Commonwealth body which  
15 looks after clinical trials and the approval of drugs,  
16 they themselves are publishing internal directions  
17 which are saying you have to have ethical review.

18           So in the private area, the hybrid system,  
19 which I referred to, is drawing the private  
20 organizations in them.

21           Well, the fourth aspect, I think, of our  
22 national statement -- and I am conscious that I was to  
23 have ten minutes and I am way over time.

24           PROFESSOR CHARO: Not to worry. It is very  
25 interesting.

1                   PROFESSOR CHALMERS: Okay. Let me just try  
2 and highlight just a couple of more. We have also got  
3 a much wider definition of vulnerable categories of  
4 patients. I think until 1992 we still pursued the idea  
5 of vulnerable within a medical research environment.

6                   The focus was primarily on the subject or the  
7 participants themselves. Were they unconscious? Were  
8 they of a young age, et cetera? We have tried to  
9 extend the concept of vulnerability to situational  
10 vulnerability, that it is not simply that the subject  
11 is vulnerable per se because of particular limitations.

12                  There are some circumstances such as intensive care,  
13 terminal care patients, and so on that can because of  
14 the nature of the situation in which they find  
15 themselves be particularly vulnerable and we have tried  
16 to set up some additional consultations and  
17 requirements for consideration by these committees  
18 which might try to address that situation.

19                  We have also within the document included for  
20 the first time some sections on human tissue, which I  
21 think is a particularly sensitive area nowadays. I  
22 think the blocks of human frozen material which are  
23 kept in hospitals and research centers, I think there  
24 is now a greater concern from the public about the  
25 samples which are retained because of the capacity of

1 those samples to divulge genetic information.

2           So we have tried to set up some new guidelines  
3 about the care, use and research on human tissue and we  
4 also have a new set of sections on human genetic  
5 research, which I think may be of some modest interest  
6 to your committee.

7           Overall, we tried to take a very significant  
8 step forward in the way in which I think research is  
9 looked at. I do not think it is something now within  
10 Australian which should be considered contained within  
11 hospitals and medical research centers. It is an  
12 activity which is carried out which involves and  
13 impacts humans and, as such, I think it is very  
14 important that very high standards are observed.

15           In the future, I noticed from the draft paper  
16 which you have circulated to me of your lightly chapter  
17 headings, that you are also, I think, considering very  
18 much the types of matters which we looked at over the  
19 last couple of years.

20           But I noticed with interest that you are  
21 looking to ask some questions about the overall system  
22 in the future. For example, you are asking questions  
23 about centralized or regional ethics review. Should we  
24 have every single research project carried out in an  
25 institution re-evaluated and reviewed again by another



1 IRB? Well, we again have tried to make some suggestion  
2 that the system of individual consideration of ethics  
3 review by an institution should give way to the  
4 possibility in some cases of multi-center research  
5 being able to be considered by one single institution.

6 And, finally, I noticed that you are thinking  
7 about accreditation. During our last review of the  
8 statement I think there were a number of comments from  
9 community organizations which said that essentially  
10 accreditation should be introduced. I will be very  
11 surprised if in the next peri-ennium the AHEC will not  
12 be required to really give very serious consideration  
13 to that because I think our system of licensing, I  
14 think, is one of those conditions which I think -- as  
15 part of the public accountability is probably quite  
16 necessary.

17 Look, I think I should stop there because I am  
18 sure that the Commissioners may have some particular  
19 questions and I am conscious that I have gone way over  
20 my time and I hope that is helpful.

21 PROFESSOR CHARO: That was very helpful.  
22 Thank you very much. And I would like to open it up to  
23 questions from members of the Commission.

24 Jim Childress first, and I am simply going to  
25 remind everybody that it may be necessary to speak very

1 close to the microphone to facilitate communication.

2 DR. CHILDRESS: Thanks very much for that most  
3 helpful presentation. You have indicated some changes  
4 that are being considered. I guess I would ask one  
5 question. Are there particular weaknesses in the  
6 system as you see it that you would like to identify  
7 and warn us about?

8 PROFESSOR CHALMERS: Oh, thank you. Well, I  
9 have tried to just very briefly hint at those and I  
10 made a start. I think one of the first criticisms  
11 which has made -- can you hear me clearly?

12 PROFESSOR CHARO: We can hear you clearly.

13 PROFESSOR CHALMERS: Good. I think one of the  
14 major criticisms which is made is the failure of the  
15 system to have adequate sanctions. If there was to be  
16 impropriety in research, what are the powers within the  
17 system to actually sanction noncompliance? That is a  
18 difficult question.

19 Formally, the only sanction which is available  
20 within the NHMRC structure is the withdrawal of  
21 funding. That has been threatened on a number of  
22 occasions. There have been full investigations and I  
23 assure you that major institutions take it very  
24 seriously, indeed, and respond very quickly.

25 But the question is what would happen if it

1 was a smaller organization that does not bother through  
2 its annual compliance report to actually let the AHEC  
3 know that there has, in fact, been some error or some  
4 noncompliance in the procedures.

5 I think at this stage that has not been seen  
6 within the system by the researchers or the  
7 institutions or the AHEC as a first order priority but  
8 I think it is something which we are very conscious  
9 that the public submissions, which we receive, often  
10 center on this. If something goes wrong, how do we  
11 know that there are going to be effective sanctions  
12 carried out?

13 Now we do know that in a hybrid system, like  
14 Australia, the individual research participant has the  
15 capacity to sue the institution and certainly there is  
16 references to some of the American writing on that  
17 point. We know that the NHMRC has the power to  
18 withdraw funding. Secondly, the NHMRC through its  
19 annual report could make critical comment to the  
20 Parliament.

21 Fourthly, we have -- because of our mixed --  
22 and it is often called the "wash-minister system," we  
23 have a lower house in the Commonwealth, which is  
24 directly based on the Westminster House of Commons, but  
25 our Federal Senate was directly copied from your

1 American Senate with all the investigatory powers that  
2 institution possesses.

3 So there is also the possibility of  
4 investigations through the various standing committees  
5 of the Senate, and that has actually happened on a few  
6 occasions where the Senate Estimates Committee has  
7 rather rigorously questioned the AHEC about aspects of  
8 its work and aspects of the Institutional Ethics  
9 Committees.

10 But, overall, that is something which  
11 together, I believe, there is a reasonably effective  
12 sanctioning system and we would also say that the way  
13 in which research ethics operates it should not end  
14 loaded on sanctions. It really should be forcefully  
15 primarily based on a compliance, which is focusing on  
16 high research ethics by the researchers and by very  
17 rigorous consideration by the ethics committees.

18 I do not know if that is much of a help as an  
19 answer.

20 DR. CHILDRESS: Thank you.

21 PROFESSOR CHARO: Other Commissioner comments?

22

23 Alex?

24 PROFESSOR CAPRON: Don, this is Alex Capron.

25 PROFESSOR CHALMERS: Hello, Alex.

1                   PROFESSOR CAPRON: I wanted just to get a  
2 little clearer on several of the points you make about  
3 the hybrid nature of your system. In your report you  
4 describe under the heading of accountability that the  
5 ARECs are also required to report annually to the  
6 NHMRC.

7                   PROFESSOR CHALMERS: Yes.

8                   PROFESSOR CAPRON: And I gather that these  
9 reports contain information about the number of  
10 protocols that have been approved and can you tell us a  
11 little bit more about what is in that reporting system  
12 you have?

13                   PROFESSOR CHALMERS: Well, I think it really  
14 leads on from the question which you have asked. That  
15 was always seen as one of the weaknesses of the AHEC  
16 that all we had was a very minimal annual reporting  
17 essentially about membership, number of protocols. It  
18 was facts and figures. Any difficulties with the  
19 operation of the privacy guidelines, specifically  
20 within Commonwealth legislation and so on, that has  
21 altered over the last two years.

22                   We now have a far more detailed set of  
23 questions. I think there is now about 50 questions.  
24 Much more specific comments about the research. We  
25 also ask them now about the way in which the research

1 is being monitored. We also try to analyze the number  
2 of protocols which they are actually covering by multi-  
3 center research.

4 So we are trying to build up a far more  
5 comprehensive database about what the committees are  
6 actually doing as well as, of course, the secondary and  
7 legal requirement of having a proper report from them  
8 that they are actually compliant with membership  
9 procedures and so on.

10 I call it hybrid because there is no formal  
11 legal requirement on human research ethics committees  
12 to carry out that report. Rather the National Health  
13 and Medical Research Council Act through its provisions  
14 requIRBs the AHEC to look after and supervise, is the  
15 word which is used, the system.

16 So this reporting which was originally  
17 voluntary and self-regulatory has now come under the  
18 general umbrella of the statute and the second way in  
19 which it now operates, of course, is that the national  
20 statement in section principles number two has very  
21 detailed requirements much closer to your IRB  
22 regulations, might I say, about the kinds of procedures  
23 that have to be carried out by the committee.

24 And one of those principles is now within the  
25 national statement a requirement to report. Those

1 reports are then, in turn, amalgamated -- that is the  
2 200 ethics committee reports -- are amalgamated into a  
3 section within the annual report which goes to the  
4 Parliament, and it is that report which has from time-  
5 to-time been the subject of examination and  
6 investigation by the Senate Standing Committee on  
7 Estimates.

8           If a Senator wants to find out what is  
9 happening within the Institutional Ethics Committees,  
10 the Human Research Ethics Committees as they are now  
11 called, that is the vehicle which is very effective  
12 that when the budget is being allocated they can ask  
13 all sorts of questions which are related to it.

14           So although we do not have a national research  
15 act, which formally sets up -- sorry, which  
16 specifically in its sections mentions the reporting and  
17 the types of reporting, rather what we have had is an  
18 umbrella act which establishes an institution which has  
19 prescribed in its national statement a requirement that  
20 you actually have to fill in these reports.

21           So it probably adds up to exactly the same  
22 thing but in a rather round about way and so I think it  
23 is better to describe it as a hybrid system because  
24 otherwise the intent to go around looking for the  
25 specific section in a specific act but this rather

1 tortuous and ill-defined way of finding out how the  
2 system operates.

3 PROFESSOR CAPRON: Well, I would say in some  
4 ways actually that your description of what you are  
5 calling a hybrid is very similar to our own, the  
6 National Research Act on this particular point is very  
7 brief. It is a few sentences vis-a-vis the Protection  
8 of Human Subjects and we have the Common Rule and all  
9 the other parts of the Federal Register from the  
10 different agencies that fill in.

11 But what strikes me as interesting is that  
12 while you make it sound like a very modest system, and  
13 in a way we are contrasting it, I think, with what you  
14 took to be a more regulatory system, we really do not  
15 have in our present requirements from the Federal  
16 Research Offices anything comparable to that annual  
17 reporting.

18 And I thought the other thing that was  
19 interesting was your analogy of that process in  
20 Australia and perhaps one could say also in the United  
21 States to the Fire Department as opposed to the Police  
22 Department where the Fire Department only responds when  
23 there is a problem that it becomes evident from a  
24 smoking situation, I guess, as opposed to a patrolman  
25 on the beat who is out looking for problems.



1           And in a certain way I am not sure where the  
2 analogy would fall but you made reference to an  
3 accreditation model which is certainly something that  
4 some of us have been pushing here. Would you say that  
5 falls somewhere outside the police and fire analogy or  
6 does it come --

7           PROFESSOR CHALMERS: Oh, no, I think  
8 accreditation is absolutely within the fire model and I  
9 should say that this is a personal view. I think it is  
10 very odd that we have not actually gone the full weight  
11 of all accreditation.

12           If I had to reflect again linking to the  
13 question before about weaknesses, I think we have tried  
14 to build in a number of ways in which the system ought  
15 to have public accountability. I do not think in  
16 public life we have any right to go around listening to  
17 professionals telling us that we ought to be trusted  
18 and so on.

19           I think in research we have to justify the  
20 research is in the public interest and I think when we  
21 set up systems of accountability we should be able to  
22 go openly to the public and say this is how you can  
23 actually navigate through it to see that the research  
24 is being conducted in your interest.

25           One of those which always strikes me as very

1 odd is that we have still institutions which can write  
2 to the AHEC and request that they set up a system of a  
3 Human Research Ethics Committee.

4 Over the last five years, and this is  
5 something which I have tried to say a little bit in the  
6 paper, the regulatory atmosphere has changed.

7 AHEC does not have the power to refuse  
8 registration. Now that is the word I have used. There  
9 is no reference to it but because you have got to send  
10 in a compliance report, we have, in fact, said, "Well,  
11 you have to register with us so that you can receive  
12 information, guidelines and so on."

13 So there has been, as it were, an assumption  
14 of authority by the AHEC, which, in fact, is not  
15 actually enjoyed, and I would have hoped that one day  
16 we could go further and actually go through a formal  
17 accreditation process, which would require presentation  
18 of the various terms and conditions, paperwork, systems  
19 of recording, the membership and so on.

20 We have various comments within the national  
21 statement about independence, about lack of conflict of  
22 interest, but how are we to actually prove that that is  
23 actually being seriously carried out?

24 We also have from time-to-time, and certainly  
25 over the last few years, a number of occasions where

1 small associations wishing to carry out what might be  
2 described as novel work, have written to us to say,  
3 "Why can't we just simply set up our own ethics  
4 committee?" You later find out that this is, in fact,  
5 not an institution at all. It is a group of  
6 professional doctors who want to try and carry out a  
7 procedure and fortunately we have always written back  
8 and say, "Well, no, the -- it is an institution which  
9 conducts the work and you should, in fact, now try and  
10 present your work to some other established ethics  
11 committee." But we do know that from time-to-time --  
12 this is anecdotal about small clinical trials which  
13 have been conducted on a rather small scale.

14 So at the bottom level I think the good ethics  
15 committees in this country or in Australia are very  
16 fine indeed. They have been operating for many, many  
17 years. They are well-resourced. They are well  
18 advised. They have members who are not paid. They  
19 give up their time voluntarily. They read and work  
20 through it.

21 But as you work through the system, as I have  
22 tried to discretely state in the document, there are  
23 variations within the system.

24 By the way, Alex, just because an ethics  
25 committee is small -- for example, the National Red

1 Cross has a committee which only looks at a few  
2 protocols each year but because of the sensitivity of  
3 such thing as the quality of the blood and AIDS issues,  
4 it was decided that that specialist committee should  
5 really look and build up a professional knowledge in  
6 that area.

7           So it is not being small but it is the level  
8 of what I would describe as prove-able  
9 disinterestedness that I think I sometimes am concerned  
10 about and I think accreditation is -- I mean, I really  
11 do think as a public system it is -- inevitably it is  
12 going to happen, I think, in Australia.

13           PROFESSOR CHARO: Donald, Eric Cassell is  
14 going to ask you the next question but I would like, if  
15 I may, just to ask for one quick clarification on the  
16 accreditation discussion.

17           Specifically, you have talked so far about  
18 accreditation of the ethics review bodies as a  
19 successor to the current registration system. Has  
20 there ever been discussion in Australia about  
21 accreditation or licensing of individual investigators  
22 as a precondition to actually enrolling human subjects?

23           PROFESSOR CHALMERS: No, that has not come up  
24 as yet. I have tried to point out a little bit in the  
25 paper. We are a much smaller country with

1 concentrations of major research in three of the  
2 capital cities, that is mainly in Melbourne, then  
3 Sidney and Brisbane, in that order, although if I was  
4 in Australia I would never dare to say such a thing.

5 (Laughter.)

6 PROFESSOR CHALMERS: And because of that I  
7 think there really has always been institutional and  
8 research and knowledge of others, and I do not believe  
9 at this stage that we have really seriously talked  
10 about that.

11 There has been, for example -- let me give you  
12 a couple of examples. A few years ago we were being  
13 bullied. This -- I think I better be a little bit  
14 cautionary about my remarks. We were being -- no, we  
15 were being bullied by --

16 (Laughter.)

17 PROFESSOR CHALMERS: -- a couple of  
18 researchers that wanted to conduct some  
19 xenotransplantation procedures. As you know, in your  
20 country and in the interim xenotransplantation  
21 authority in the U.K., there are interim guidelines  
22 which are operating. We wished at the AHEC not to  
23 proceed to even interim guidelines until we were  
24 satisfied of the safety. There had been a whole series  
25 of really quite disturbing articles in Nature and

1 Science which really encouraged our committee to say we  
2 wanted the best possible scientific advice before going  
3 forward.

4           These particular researchers were, in fact, at  
5 one stage considering conducting the work themselves.  
6 It turned out, of course, that lawyers told them that  
7 they would not permit the institution to conduct the  
8 work unless it was according to guidelines.

9           We had not produced any so they were caught  
10 and that was an example where the researchers  
11 themselves -- we were being told informally by two or  
12 three other people in the field that they would not be  
13 considered as very experienced in those procedures.

14           So I think there are probably some cases in  
15 which I think the accreditation of researchers might be  
16 useful but I do not think that that has been really  
17 seriously considered as yet.

18           I think the second thing I would say is apart  
19 from researchers knowing each other, I think there have  
20 been a number of the professional associations who have  
21 been very helpful.

22           One of the things which I hope the national  
23 statement has done, apart from being comprehensive, it  
24 has also, as it were, become the focus where other  
25 organizations are now canceling their statements and

1 actually now referring to the national statement.

2 Let me give you an example. The Australia  
3 Psychological Society has decided not to proceed with  
4 their own guidelines as a review but simply to  
5 acknowledge and endorse the national statement which we  
6 have.

7 I think in setting standards I hope the  
8 national statement is becoming a benchmark for, as it  
9 were, bringing other organizations up to -- well, I  
10 think it is rather arrogant to say up to scratch but up  
11 to what we believe are prescribed high standards.

12 PROFESSOR CHARO: Thank you. Sorry.

13 PROFESSOR CHALMERS: So the answer is, no, we  
14 have not really had a serious discussion. There has  
15 only been a few examples of that.

16 PROFESSOR CHARO: Thank you.

17 Eric Cassell?

18 DR. CASSELL: Professor Chalmers, many people  
19 in our IRB system complain that they are so over loaded  
20 with bureaucratic details and paperwork on minor issues  
21 that they feel themselves short changing the more  
22 serious ethical review that come before them and does a  
23 similar complaint come from your ethics committees?

24 PROFESSOR CHALMERS: Well, I think in the  
25 paper I actually quoted your Office of Research for

1 saying that we are doing too much, too little -- with  
2 too little resources.

3 Yes, I believe that is exactly the complaint,  
4 I think, which has been heard internationally with  
5 ethics committees. By and large, they started off  
6 doing a few protocols. Then as institutions became  
7 more conscious of their legal and ethical  
8 responsibilities, I actually think it has been more  
9 legally pushed than ethically, more and more protocols  
10 are in place.

11 We have tried in our national statement to say  
12 that we would follow -- and we took the lead from the  
13 United States -- the system of expedited review. I  
14 think the ethics committees should not simply be given  
15 more resources and become a great bureaucratic tool.

16 Because rather if we believe that the majority  
17 of researchers are compliant and being responsible then  
18 I think what we would hope to do is through a number of  
19 strategies over the next years is try to improve and  
20 assist the ethics committees in their job. One, we are  
21 trying to produce a manual which will actually be a  
22 running commentary on the national statement, which  
23 should give hopefully sound advice about the way in  
24 which the statement should operate in practice.

25 Secondly, we are saying that the committees



1 should be looking at expedited review of particular low  
2 risk research which is being presented for approval  
3 primarily for the function of receiving the funding.

4           Thirdly, we are trying to say and we do say in  
5 various parts of the national statement that the  
6 committee should, in fact, try to -- and I believe you  
7 are doing it in your work -- try to focus on what we  
8 mean by risk, try to become smarter and more  
9 informative about what we think as a risk so the major  
10 amount of time should be spent on those particular  
11 projects.

12           Fourthly, we have tried to say that the  
13 committees should not be spending, as they often do,  
14 large amounts of their time worrying about the science.

15           Institutions have really got to be more effective in  
16 giving sound scientific clearance to the project and  
17 then, hopefully, the ethics committee will not be  
18 spending quite so much time worrying about the science,  
19 although we did not accept in our national statement  
20 the principle that there is some neat divide between  
21 the science and the ethics. I think that is  
22 misconceived.

23           And, fifthly, we have tried to say that the  
24 discussions, which are frequently from many pieces of  
25 advice we receive through the public consultation,

1 devoted to editorializing and improving the grammar of  
2 consent forms really has again got to try to focus not  
3 on the wording of the documents but on the principles  
4 underlying it.

5 Realistically I think you will probably see  
6 that these are strategies, which if they are not  
7 fulfilled then if we have to revisit this in a few  
8 years, then I think that there will have to be further  
9 advice.

10 But one of the other -- sorry, the sixth  
11 thing. I have just forgotten. Multi-center research.

12 We are fairly sure that there is a large amount of  
13 time spent by ethics committees reviewing again a  
14 project which has already been presented at another  
15 major institution.

16 By far the worst case scenario was a geriatric  
17 study at 96 institutions in Australia and New Zealand,  
18 which the researcher complained -- went through some 96  
19 different processes and took two years to receive all  
20 the approvals.

21 Well, I mean, obviously an institution must be  
22 responsible for reviewing projects but if you have the  
23 clearance from a very well established, well-recognized  
24 and effective ethics committee, then that may be one  
25 which could be given ratification by expedited review.

1 I hope that helps. Does that answer your  
2 question?

3 PROFESSOR CHARO: I think that was very  
4 helpful. Thank you.

5 Diane Scott-Jones would be next. Thank you.

6 DR. SCOTT-JONES: I have a question about  
7 research on --

8 PROFESSOR CHALMERS: I am sorry. Could you  
9 just speak up slightly?

10 DR. SCOTT-JONES: Okay. I will --

11 PROFESSOR CHALMERS: Thank you. Thank you.

12 DR. SCOTT-JONES: I have a question about your  
13 statement on research on collectivities.

14 PROFESSOR CHALMERS: Yes.

15 DR. SCOTT-JONES: You tell us that your  
16 national statement requIRBs that there be a consent by  
17 the collectivities that are recognized legally in your  
18 country and I was wondering if you could say what the  
19 experience has been with this particular aspect of your  
20 national statement and then also could you say a little  
21 bit about -- a little bit more about the research with  
22 aboriginal people that is also mentioned in this same  
23 part of your document?

24 PROFESSOR CHALMERS: Good. Thank you.

25 You have actually raised what I think is one

1 of the failures of the document at this stage.

2 Very briefly, we had an interim series of  
3 guidelines passed in 1992, which are the Aboriginal  
4 Torre Strait Islanders Guidelines for Research. During  
5 the public consultation there was a view expressed that  
6 these guidelines required updating.

7 We looked and saw in the Canadian statement  
8 what we thought was a very good contribution to the  
9 concept of collectivity, which would in a multi-  
10 cultural country such as Australia, with very diverse  
11 religious groups, particularly very many different  
12 nationalities who have come to settle in Australia,  
13 with very different cultural observances, that we are  
14 very conscious that when conducting research in -- I  
15 mean, questions of a sexual nature from one group may  
16 cause no concern but in another group could be deeply  
17 offensive and insulting.

18 But the idea of the collectivity that you  
19 would not simply be collecting individual consent.  
20 Consent, which also might be tainted with the fact that  
21 people are just politely saying yes but, in fact, they  
22 want to say no. All sorts of difficulties. We  
23 thought the collectivity was hopefully something which  
24 could be comprehensively applied.

25 Unfortunately, I have to confess that -- I can

1 provide a further bit of particulars if you require it  
2 -- when we came to the second stage consultation, and  
3 that is when we have actually produced the draft  
4 guidelines and circulated those, then a large number of  
5 the aboriginal organizations -- because although there  
6 is some peak (sic) bodies, each of the states may also  
7 have a body and then there are different land councils  
8 and so on. So there is no single point of entry to the  
9 aboriginal Torres Strait Islands advice and we really  
10 unfortunately received the full spread of advice about  
11 collectivity.

12           Some groups saying that this was a  
13 considerable advance in the way in which the Aboriginal  
14 Torres Strait Islander peoples were to be considered,  
15 not in isolation but as part of the community.

16           In the middle I think there were some which  
17 said, "Well, what was really wrong with the old  
18 guidelines. They seemed to have worked pretty well.  
19 There has never been any difficulties even although  
20 they were interim and never formally passed by the peak  
21 aboriginal bodies. They have operated --" To others,  
22 who I think found it absolutely unacceptable and one or  
23 two groups particularly were -- well, very critical,  
24 indeed, of that.

25           And because of that we were really left with

1 no option but to withdraw the -- sorry, we kept the  
2 collectivity generally but we had to reinsert Section  
3 9, which kept in force the interim guidelines.

4 So I would actually say that we had -- I would  
5 not venture to give any advice to you about that. I  
6 would say rather that it is a cautionary tale about  
7 being even more assiduous in consultation.

8 I have often found that there seems to be one  
9 invariable rule about public consultation when you are  
10 asked the question how much public consultation should  
11 you do. The answer is always a bit more than you  
12 actually did and I am afraid we did not -- well,  
13 personally it was one of my disappointments during the  
14 process. But I am pleased to say that the discussions  
15 are going on and during the next perineum there will be  
16 revised guidelines but there will be specifically, I  
17 think, now for the Aboriginal Torre Strait Islanders  
18 communities.

19 PROFESSOR CHARO: We have got a little over  
20 ten minutes left for discussion if we kind of keep  
21 according to our revised schedule here. I have Alex  
22 and myself on the list of people who have questions.  
23 Are there other people who at this time have questions,  
24 let me ask first? All right.

25 Let me turn to Alex for the next question

1 then.

2 PROFESSOR CAPRON: Don, what you provided us  
3 was extremely comprehensive. In the printout of the  
4 electronic document that I received from NBAC, it runs  
5 well over 100 pages. And I would like, therefore, just  
6 to highlight a couple of points for the record and see  
7 if you have anything to underline on them.

8 And I do so because I was struck by the ways  
9 in which your experience seems so close to our own and  
10 I am sure this will give you insights then on what we  
11 should be doing.

12 On what is page 82 on the way it printed out  
13 for me, but I do not have any reason to think it will  
14 be 82 for anybody else, but you state the following in  
15 talking about the issue of voluntary compliance:

16 "On the other hand, private companies are  
17 essentially complying voluntarily." You are referring  
18 here to complying with the national statement on  
19 ethical conduct. "If they wish to access public funds  
20 they are required to comply. In addition, many private  
21 companies comply because they are conducting the  
22 research in public institutions. Finally, many private  
23 companies comply because approval by a registered AHEC  
24 is considered a prudent step in reducing risks."

25 Had you been here with us in the prior hour,

1 we -- I asked this question of the two representatives  
2 of private companies or private trade associations and  
3 got essentially that answer from them as to why they  
4 and other major companies, they believe, would comply.

5           You go on to note something else, which I  
6 think is important. You say, "For this and other  
7 reasons --" this is on page 83 again if it is your page  
8 83 or not -- "For this and other reasons it was more  
9 appropriate to consider a single research code.  
10 Similarly a researcher has a number of common  
11 obligations and ethical duties to the research  
12 participant, which are common to research generally."

13           And this notion of universality, regardless of  
14 the sponsorship, is something which I believe is  
15 emerging in our own country.

16           And yet you note later on in your comments  
17 that "it is not clear whether the voluntary compliance  
18 will continue" and this is really the point that I  
19 wanted to ask you to elaborate on because you do not go  
20 into it.

21           Are there particular things that are forming a  
22 disincentive or driving a wedge between the national  
23 statement and the actions of private research sponsors  
24 that are not covered by public rules?

25           PROFESSOR CHALMERS: Well, I was trying to



1 stay very conscious of the time and what I am referring  
2 to there -- no, I am hoping that the national statement  
3 over the next three to five years actually becomes the  
4 benchmark that people move into, that it becomes, as it  
5 were, the beacon that people see that the moves which  
6 have taken place over recent years continue.

7           You will remember some of the early work which  
8 you did on the question is a human research ethics  
9 committee legally liable. Nobody has ever thought  
10 about it.

11           PROFESSOR CAPRON: Right.

12           PROFESSOR CHALMERS: The legal environment of  
13 research ethics has changed fundamentally. People  
14 realize they are involved in a process which is not  
15 amateurish. It is not entirely voluntary. It has  
16 legal consequences. So that, I think, is something  
17 which the private sector understands very clearly,  
18 indeed, which is if we are going to get ourselves sued,  
19 risk management.

20           What I was referring to rather was not that  
21 the national statement is not being complied with. I  
22 believe that if you want to do something which is  
23 ethically questionable in Australia, you just simply  
24 pack your bags and you go somewhere else.

25           For example, we know that the research which

1 has been conducted on embryonic stem cells, there are a  
2 couple of very competent research teams in Australia.  
3 They are doing that work in Singapore. It is just a  
4 short flight away. Because they could not because of  
5 research ethics clearance or legislation do that work  
6 in either South Australia or Victoria.

7 This is the thing which I believe is  
8 absolutely critical, I think, in the future that we do  
9 not create research havens. I think the comprehensive  
10 national statements should be consistent with  
11 comprehensive international statements because it is  
12 just very easy just to pack your bags and go somewhere  
13 else.

14 I believe, for example, some of the ART work,  
15 which was not being allowed in Melbourne, I think was  
16 originally being allowed to be done by the same  
17 company. I think it was either in -- I think it was in  
18 Los Angeles because of different regulations. That is  
19 what I was referring to.

20 No, I am hoping the national statement will,  
21 in fact, be advancing the standard setting.

22 PROFESSOR CAPRON: Well, thank you very much.

23 I know that we have all benefitted since we are  
24 sitting here on Monday afternoon getting advice from  
25 someone on Tuesday.

1 (Laughter.)

2 PROFESSOR CAPRON: I also have to thank you  
3 for using the word "autochthonous" in a sentence.

4 (Laughter.)

5 PROFESSOR CHALMERS: Oh, sorry. It is rather  
6 early here. It must have been the tea.

7 (Laughter.)

8 PROFESSOR CHARO: Donald, it is Alta Charo  
9 again. In some ways following on from your comments  
10 just now about the research going on in Singapore, I  
11 wanted to ask you about two details in the Australian  
12 system. The first has to do with international or  
13 transnational research.

14 You mentioned in your paper that currently the  
15 ideas that researchers would follow domestic rules as  
16 well as the local rules in the host country should they  
17 be doing research abroad.

18 As you probably know, we are working on a  
19 report that has to do with U.S. researchers doing  
20 collaborative research abroad, and we have identified a  
21 number of situations where local rules or local customs  
22 in a host country might actually conflict with the  
23 norms of research that are operating domestically. It  
24 can have to do with individualized consent versus  
25 consent that is contingent upon or given by others,

1 husbands, village leaders, et cetera.

2 It can have to do with the notion of what  
3 constitutes a vulnerable population and the special  
4 rules that apply. It can have to do with notions of  
5 competence. Certainly there are lots of procedural  
6 variations on how one assures and documents these  
7 things.

8 To what extent has AHEC gone into some detail  
9 about how it will implement its goal of being sensitive  
10 to both Australian and host country norms?

11 PROFESSOR CHALMERS: Well, thank you. That is  
12 actually one of the sentences which was in its earlier  
13 draft much longer. It was one of those sentences, the  
14 principle of compliance both in the host as well as the  
15 funding country, where we were accused by certain  
16 researchers as being rather naive. In particular, you  
17 will remember -- and I have included in the paper the  
18 discussion of the AZT trials in Africa.

19 PROFESSOR CHARO: Yes.

20 PROFESSOR CHALMERS: Where there was the lower  
21 dosage being used to see whether there could be an  
22 avoidance of the HIV transmission to the fetus. Where  
23 some researchers were claiming that that scientific  
24 proposition had not been tested and simply because you  
25 had best practice of a proven treatment regimen in

1 France and the states did not preclude trying to  
2 accommodate a dosage that would have been affordable  
3 and effective in Africa. Well, I am not convinced  
4 about that but nevertheless I have covered that.

5 What we believe we should be doing, therefore,  
6 was to cut that down and at least put that compliance  
7 statement of recognizing that Australians do, do work  
8 in Indonesia, in Malaysia, in the Solomon Islands.  
9 They are not doing much in Fiji at the moment and New  
10 Guinea particularly. That being the case, it is there.

11 Secondly, we also believe that the compliance  
12 reports will now be amended to include requirements  
13 about the work -- you know, reporting of the work which  
14 has been done overseas and any difficulties which are  
15 encountered to start building up the knowledge base  
16 about those because we were quite familiar with the  
17 fact that your country, the NIH, as you know, funds  
18 something like nearly \$20 billion worth of research and  
19 quite a number of projects are funded by your country  
20 in Australia. And those researchers, of course, have  
21 got to be compliant with your FDA rules.

22 So there seems to be nothing wrong with trying  
23 to move towards a high gold standard which should  
24 apply.

25 Unfortunately, Alta, we have not got the

1 capacity to answer what I think is an extraordinary  
2 difficult question which you are asking, which is once  
3 you set that gold standard and we can now all sit back  
4 in a bath of self-congratulation that we have actually  
5 done what we should do, which is bring up standards.

6 We have not answered what I think is the  
7 extraordinarily difficult question which you are  
8 asking, which of course some of the researchers in  
9 Australia accused us of doing, which was failing to  
10 recognize the fact that in some countries even a lower  
11 level of drug trials effectively at least is better  
12 than nothing.

13 I think that is -- as I have included in my  
14 paper under Section 6 -- I feel that is one of the  
15 great questions, which I think, you know, is going to  
16 be addressed over the next few years and I must say  
17 that I think NBAC has given great leadership through  
18 those summits and I think it is going to be back on the  
19 agenda later on this year.

20 It is a big -- a very, very important issue  
21 internationally and I think it is going to become more  
22 important.

23 PROFESSOR CHARO: Thank you.

24 Donald, my last question -- and then I am  
25 going to survey the Commissioners one last time if

1 anybody had any additional questions before we sign off  
2 -- had to do with the definition of research, which I -  
3 -

4 PROFESSOR CHALMERS: Yes.

5 PROFESSOR CHARO: -- was looking for in -- my  
6 printout came to 106 glorious pages. We have been  
7 struggling with that in this report and struggling with  
8 something that captures only those people we would like  
9 to be protected by some special set of rules and not  
10 all others, especially as you look beyond the  
11 biomedical context and especially as you look beyond  
12 the federally funded context.

13 What is the definition you are currently using  
14 there to figure out what the scope of your jurisdiction  
15 is and that people out in the field are using to figure  
16 out whether or not they need to even go to one of your  
17 review bodies?

18 PROFESSOR CHALMERS: Well, let me say that we  
19 -- I go around the other way. We have actually tried  
20 to put a definition of research, which is wide and  
21 comprehensive in covering all research on humans, quite  
22 deliberately so, because if we can reflect on what I  
23 said at the beginning, the growth of research ethics in  
24 this country moved from experimentation to medical  
25 research generally, to health research, to research

1 which involved privacy and social science, and so on.

2           And because of that most of the institutions,  
3 particularly the universities, have tended to put  
4 research, which is not in the lab but when you are out  
5 there even administering surveys, they have usually had  
6 some kind of a system that we should be asking is this  
7 something which is properly respecting the privacy of  
8 individuals.

9           And I hope you may find a modest contribution  
10 in our report to try and separate identified from  
11 potentially identifiable from de-identified because I  
12 think internationally -- I think we are in a bit of  
13 mess the way we handle data and the consequences  
14 thereof.

15           And in that respect we have tried to reflect  
16 that I think there is a much more responsible review  
17 process going on.

18           Now that may, of course, raise the worries of  
19 the questioner earlier but does that mean you are  
20 heaping even more work on? No, you may, in fact,  
21 delegate the review to a department or somebody else  
22 but research should not be being conducted that is not  
23 complying with the national statement.

24           So we have not really gone by defining and  
25 then trying to fit research back in. Rather the



1 statement reflects what has been a growth of a fairly  
2 wide view of review.

3 PROFESSOR CHARO: Thank you very much.

4 Let me ask now if there are any other  
5 questions from members of the Commission?

6 Okay. First, Donald Chalmers, thank you very,  
7 very much for taking time out from your vacation to  
8 speak with us. It was very helpful and quite  
9 enjoyable.

10 PROFESSOR CHALMERS: Could I, in closing,  
11 thank you very much for the opportunity to speak with  
12 you and I would -- I am conscience that this is, in  
13 fact, being recorded. I would like to place something  
14 on the record, if I may, as my little sort of personal  
15 comment.

16 I have at one stage in the paper highlighted  
17 what I hope is a need in your country to have some  
18 national body. I think, as I have said from my  
19 personal knowledge, that the NBAC has been providing  
20 international leadership by the holding of summits and  
21 placing important issues on to the international  
22 agenda, particularly clinical trials.

23 In Australia, there has been a very fine  
24 comment by one of our distinguished lawyers and  
25 governor generals that said that the researchers should

1 be as active in their ethical imagination as their  
2 scientific imagination.

3 I believe that if America is giving great  
4 scientific leadership, I think it is essential that it  
5 equally undertake that responsibility for setting high  
6 ethical standards. I think you have a very  
7 distinguished history right from the Belmont Report  
8 through the present Commission to the work which you  
9 are doing in NBAC.

10 I think your work has been widely acknowledged  
11 and widely used in the Australian context. I do  
12 encourage you to, I think, bring forth that wisdom  
13 through some international -- sorry, some national  
14 body.

15 Thank you.

16 PROFESSOR CHARO: Well, thank you. Thank you  
17 very much for that, Professor Chalmers. It is  
18 flattering and since we are talking about things on the  
19 record I will note that we did not, in fact, pay you to  
20 say that for us.

21 (Laughter.)

22 PROFESSOR CAPRON: But our stenographer is now  
23 taking it down in stone and engraving it for us.

24 (Laughter.)

25 PROFESSOR CHARO: At this point I think we are

1 going to bid farewell to Professor Chalmers and I am  
2 going to turn the microphone over to Eric for any last  
3 housekeeping details about tonight's departure and  
4 tomorrow morning's beginnings.

5 DR. MESLIN: I know it has been a long and  
6 very productive day. Thank you to all those who have  
7 stayed.

8 Donald, thank you very much. Cheers.

9 PROFESSOR CHALMERS: All the best.

10 DR. MESLIN: He said, "All the best." That is  
11 kind of a Commonwealth thing that we say to each other.

12 There are a couple of things that have not  
13 been attended to, just so that you are aware. Bernie  
14 Lo handed out a document that he and Ruth and Alice  
15 have been working on. That will be picked up tomorrow,  
16 that is to say discussed tomorrow. We are going to  
17 make time during tomorrow afternoon's discussion. I  
18 know some Commissioners may be leaving early but just  
19 to let you know our plan is to continue the discussion  
20 of the oversight project tomorrow morning.

21 We are having a working lunch. That is why we  
22 sent around a note to staff and Commissioners. I am  
23 letting the public know that a working lunch means that  
24 the Commissioners are going to be eating while they are  
25 speaking and the Commission meeting is still going on.

1       That is when Chapter 3 is going to be discussed and  
2 then we will move into Chapter 4 and 5 tomorrow  
3 afternoon before people bid adieu.

4               The only thing I would encourage you to do if  
5 you have any time this evening is to read over Dr.  
6 Shapiro's memo that he faxed earlier today. Suffice it  
7 to say, he spent some time over the weekend working on  
8 that memo knowing that he would not be here and it  
9 would be, I think, inappropriate to not take up some of  
10 the points.

11               So I just simply encourage you to take some  
12 time either tonight or tomorrow morning because we will  
13 return to it.

14               Other than that, I think some dinner plans  
15 have been made. Staff can give you some of those --  
16 some of that information.

17               PROFESSOR CHARO: All right. We are adjourned  
18 until tomorrow morning at 8:00 a.m. Thank you very  
19 much.

20               (Whereupon, at 6:02 p.m., the proceedings were  
21 adjourned.)

22                               \* \* \* \* \*

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