

1 FEDERAL TRADE COMMISSION AND DEPARTMENT OF JUSTICE

2 ANTITRUST DIVISION ROUNDTABLES:

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6 COMPETITION AND INTELLECTUAL PROPERTY LAW AND

7 POLICY IN THE KNOWLEDGE-BASED ECONOMY

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13 Wednesday, November 6, 2002

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9:30 a.m.

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18 Federal Trade Commission

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TOPIC:

Standard Setting Organization: Evaluating  
the Anticompetitive Risks of Negotiating  
Intellectual Property Licensing Terms and  
Conditions Before A Standard Is Set Page 3

Relationships Among Competitors and Incentives to  
Compete: Cross-Licensing of Patent Portfolios,  
Grantbacks, Reach-Through Royalties, and Non-  
Assertion Classes Page 93

## P R O C E E D I N G S

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## STANDARD SETTING ORGANIZATIONS

MS. GALBREATH: If we could begin, good morning. Welcome to the DOJ and FTC joint hearings on Competition and Intellectual Property Law and Policy in the Knowledge-Based Economy. We are here this morning for the third roundtable discussion. My name is Carolyn Galbreath. I'm an attorney in the Division's San Francisco Office.

Joining me to take on the moderating duties this morning are Tor Winston, he's an economist in the Division's Economics Advisory Group, and Gail Levine. Gail is Deputy Assistant General Counsel for Policy Studies here at the FTC.

We'd like to welcome you all this morning to this panel. We are going to be taking two issues today. This morning we'll look at standard setting organizations: evaluating anticompetitive risks of negotiating intellectual property and licensing terms and conditions before a standard is set. Although our discussion could go much longer than two hours, we will limit it to that amount of time and we will end as close to 11:30 this morning as possible.

This afternoon, the hearings will resume at

1 2:00 and there will be a roundtable discussion of  
2 relationship among competitors and incentives to compete  
3 and particularly, we will be looking at cross-licensing  
4 of patent portfolios, grantbacks, reach-through royalties  
5 and non-assertion clauses.

6 Since our time is limited, we are not going to  
7 be taking any breaks this morning. If there are no other  
8 housekeeping details, I think we'll begin.

9 On April 18th, our hearings devoted a day to  
10 competitive issues that arise when standards are  
11 promulgated that incorporate intellectual property. The  
12 joint hearings have explored in depth the broad-based  
13 pro-competitive and innovation enhancing aspects of  
14 collaborative or de jure standard setting. But as the IP  
15 guidelines aptly note, intellectual property is neither  
16 particularly free from scrutiny under the antitrust laws  
17 nor particularly suspect under them.

18 In April, we explored whether standards based  
19 upon intellectual property may permit the intellectual  
20 property owner to exercise competitive hold-up either by  
21 failing to disclose IP during the standard setting  
22 process or by imposing onerous licensing terms on IP once  
23 it has been selected as a standard.

24 We heard testimony that the causes and effects  
25 of non-disclosure and licensing hold-up present

1 difficulties, both practical and legal, for standards  
2 groups, practitioners, intellectual property holders and  
3 antitrust enforcers, and one aspect of hold-up, whether  
4 ex ante discussion and negotiation of licensing terms  
5 within standards organizations would run afoul of the  
6 antitrust law seems to merit more focused scrutiny. It  
7 is to that that we turn our attention today.

8 And I'd like to turn now to Tor Winston and ask  
9 him to introduce our panelists.

10 MR. WINSTON: To help us navigate this  
11 analytical and legal thicket, we've assembled a group of  
12 distinguished panelists and I'd like to briefly introduce  
13 them.

14 We have Joseph Farrell, who is the Professor of  
15 Economics at University of California, Berkeley; Joe  
16 Kattan, who is a partner at Gibson, Dunn & Crutcher;  
17 Scott Peterson, who is Corporate Counsel for Hewlett-  
18 Packard Company and Chair of the ANSI Patent Committee;  
19 Carl Shapiro, the Transamerica Professor of Business  
20 Strategy at the Haas School of Business, University of  
21 California, Berkeley; Earle Thompson, who is the  
22 Intellectual Asset Manager and Senior Counsel at Texas  
23 Instruments; and Paul Vishny, who is a member of D'Ancona  
24 & Pflaum and General Counsel of the Telecommunications  
25 Industry Association.

1           As a preface to our discussion today, we  
2           thought we'd have our panelists give a brief background  
3           in terms of their background with the standard setting  
4           issues and how they became engaged in the topic for  
5           discussion today, the multilateral ex ante discussions of  
6           licensing terms within standard setting bodies.

7           So, maybe if we can just go around the room. I  
8           don't know who would like to start. Go ahead, Scott.

9           MR. PETERSON: I became involved by being asked  
10          to give advice on intellectual property issues that came  
11          up in the context of particular standard setting  
12          activities and that evolved over a period of years to  
13          where I was increasingly involved in the policy aspects  
14          within HP of standard setting. So, I come at this as an  
15          intellectual property attorney who has had the challenge  
16          of advising a particular participant in these kind of  
17          activities, and I want to make just a footnote, I'm not  
18          here in my capacity as Chair of the ANSI Patent Group.  
19          I'm speaking solely on behalf of HP.

20          MR. KATTAN: My practice is very heavily  
21          oriented toward technology, and throughout the time I've  
22          been in private practice, I've been involved in advising  
23          clients on a broad range of issues having to do with  
24          standard setting and also with a phenomenon that exists  
25          in the computer industry that is something short of the

1 kind of formal standard setting that people generally  
2 think of in terms of standard setting organizations.  
3 These are things that are called SIG or special interest  
4 groups, that are a lot more formal and, at least  
5 historically, have typically involved royalty-free  
6 licensing or reciprocal royalty-free licensing where the  
7 basic proposition is, if you want to get a license on a  
8 royalty-free basis from everybody else who is signing on  
9 to the standard, you also agree to grant a reciprocal  
10 license.

11 So, I've been involved in advising people on a  
12 broad range of issues having to do with both these kind  
13 of informal SIGs as well as the formal standard setting.

14 MR. FARRELL: I'm Joe Farrell. I'm an  
15 economist and I've been working on the economics of  
16 compatibility and standards since the early 1980s. At  
17 first, thinking primarily about de facto standards,  
18 bandwagon effects and the like, and then in the mid or  
19 late '80s, getting interested in formal standards as  
20 well. The feature of the formal standards process that  
21 emerged from my discussions with participants and from  
22 just thinking about the problem as an economist was  
23 primarily the role of vested interests in creating  
24 bargaining delays in adoption of formal standards, and I  
25 view that as kind of a cousin to hold-up because the more

1 prospect for hold-up there is, the stronger the vested  
2 interest, the more likely bargaining delays.

3 My interest in this topic, I guess, was  
4 enriched, shall we say, when I was asked to advise  
5 Mitsubishi in the Wang-Mitsubishi litigation on SIMMS.  
6 So, I've been interested in this for quite a while. My  
7 general perspective, as you will probably hear, is one of  
8 considerable concern about these problems. So, perhaps  
9 that will help make this a feisty discussion.

10 MR. VISHNY: I became involved in the standard  
11 setting process as General Counsel to TIA, the  
12 Telecommunications Industry Association. In my practice,  
13 among other things, I represent several trade  
14 associations, which are involved in various aspects and  
15 are concerned with issues that are similar to the ones  
16 we're going to discuss, even when they're not involved in  
17 standard setting activities.

18 TIA was actually formed not a terribly long  
19 time ago, about 12 years ago with the coming together of  
20 two other trade associations, one of which I represented  
21 since 1979. TIA has approximately 2,000 people who work  
22 regularly on engineering committees in the formulation of  
23 standards in the telecommunications field, and in the  
24 capacity as their General Counsel, I've been called upon  
25 to give advice whenever problems -- the kind of problems



1 we're going to discuss -- have arisen. They've been  
2 extremely infrequent and that increases my interest. The  
3 infrequency of the problem increases the interest in kind  
4 of a direct proportion to the subject matter of this  
5 discussion.

6 MR. THOMPSON: I sort of backed into handling  
7 the standards at Texas Instruments. I'm responsible for  
8 all of our standards organizations worldwide, our legal  
9 aspects of participation, and one of the things that --  
10 we had a teleconference on all of this and Scott Peterson  
11 had raised an interesting issue with me. It was a  
12 perspective issue. Scott and I don't necessarily see  
13 eye-to-eye, which I think will come out some today, but  
14 it may be because of the way we look at things a little  
15 bit differently.

16 You know, from a licensing standpoint, I really  
17 view the history of TI as three sort of eras, and  
18 basically, it was the pre-'85 kind of era in which most  
19 of the semiconductor companies -- and I'm only going to  
20 talk about semiconductor licensing today. We've done  
21 some others, but I'll just leave it at that. The general  
22 feeling was that in the industry it was cross-licensing,  
23 basically royalty-free, and it was portfolios. You  
24 didn't worry about standards, particularly.

25 Yes, you did standards because you were selling

1 jelly bean parts and they had to all go on the PC boards  
2 the same way, but there were not a whole lot of things  
3 other than that. Systems were very complex and the  
4 system integrators were the ones that were dealing with  
5 system level issues.

6 Some of that changed around '85, and the reason  
7 being is there were a lot of new entrants into the field  
8 that were wanting to play the game without having spent  
9 the R&D. In other words, in some cases, it became a  
10 national priority for some countries to be in the  
11 semiconductor industry and there were massive infusions  
12 of cash, and since we were -- the people that were in it  
13 had already made large investments, you know, there's an  
14 inherent competitive advantage.

15 So, in the mid-'80s, things changed a little  
16 bit to where we just tried to level the playing field.  
17 There was still the same cross-licensing, it was still  
18 basically the portfolio. You weren't so much concerned  
19 about the standards issues because you never looked at  
20 them. Those weren't part of your licensing strategy.  
21 You didn't worry about that. But you did look at how  
22 much exposure somebody had and, you know, money exchanged  
23 hands.

24 The present generation is a little bit  
25 different. Again, we're going through another

1 metamorphosis in the industry. We're looking at most of  
2 the IP that we used to not have to worry about, it was  
3 the system integrators' IP, is now moving onboard our  
4 chips. We're no longer just a semiconductor company. We  
5 sell software along with that, the support tools. We  
6 provide reference designs. Basically, the end product is  
7 basically wrap some plastic around it, put a display on  
8 it and some batteries and you're ready to go.

9 Well, that exposes a whole different level of  
10 exposure for the semiconductor company. Now, all that  
11 system level stuff that we used to not have to worry  
12 about because we sold parts that the system integrator  
13 put together, all that's migrating down to a single chip.  
14 We're having to take on the system level responsibility.

15 The consequence, we've looked very closely at  
16 how do we need to change, whether there is something to  
17 the ex ante discussions of licensing terms in order to  
18 figure out how we handle the indemnification issues.  
19 I'll tell you my bias right up front. Having looked at  
20 this issue for about seven years as far as the changing  
21 world that we're in, my response is still, I don't think  
22 it's necessary.

23 MR. SHAPIRO: Good morning, I'm Carl Shapiro.  
24 I'm an economist out at UC, Berkeley. I've been studying  
25 standards and network effects, compatibility, inter-

1 connection issues for about 20 years. Like Joe,  
2 actually, I also really starting thinking in terms of  
3 competitive moves preemption, decisions about whether to  
4 inter-connect or make your products compatible with  
5 another company's and seeing how that played out in the  
6 marketplace, but then over time recognizing, learning and  
7 focusing more on some of the formal standard setting,  
8 which I like to think of in terms of a pre-competitive  
9 phase, where companies would get together and essentially  
10 decide specifications or standards and then go out and  
11 compete in the marketplace, sort of a pre-competitive and  
12 then a competitive phase.

13 Over the last five or ten years, I guess my  
14 interest has grown as it's become clear how important for  
15 at least a number of industries the standard setting  
16 activities are. I think a lot of the companies I talk to  
17 indicate, yes, there's more and more people devoted to  
18 it, both engineers and business folks thinking about  
19 standard setting. Then I've become involved in a number  
20 of cases surrounding -- as an expert witness or  
21 consultant -- where some of the specific problems that  
22 we're going to talk about today have  
23 come up and then I've learned, again, probably over a  
24 decade -- appreciated, I guess, the critical role of  
25 intellectual property. That is kind of woven together

1 with other things I've been studying and working on  
2 regarding the patent thicket, the increasing number of  
3 patents, the fact that patents often are not applications  
4 or pending patents may not be visible. So, these sort of  
5 complex of problems that arises not just in standards  
6 associated with patents can come particularly into this  
7 arena we're talking about today.

8 So, that brings us right to the hold-up, the  
9 sort of patent thicket, and how important those things  
10 are when there may be a large number of technologies and  
11 patented technologies that could read potentially on a  
12 given specification or standard.

13 MR. WINSTON: Thank you very much. We clearly  
14 have a lot of experience and various perspectives and  
15 opinions represented here in the panel.

16 I wanted to just remind people to please speak  
17 directly into the microphone, as Carl did an excellent  
18 job of doing. And I guess for our discussion today, we'd  
19 like to break things down into sort of three main areas  
20 of discussion. The first part, we'll talk about whether  
21 hold-up occurs and more about how much hold-up occurs and  
22 how we can identify those cases. In the second section  
23 then, we'll talk about whether these multilateral ex ante  
24 discussions may be useful in mitigating hold-up where it  
25 might occur and the relating antitrust issues there. And

1       then in the third section, we'll talk more about other  
2 mechanisms that might be able to be used to mitigate  
3 hold-up where it occurs, other mechanisms that may not  
4 raise such antitrust issues.

5               So, moving on to the first section of the  
6 discussion today, ascertaining the existence and scope of  
7 hold-up in standard setting organizations and for the  
8 purpose of this discussion, I think we'd like to assume  
9 that we have a standard setting organization that  
10 requires a commitment to RAND, to reasonable and non-  
11 discriminatory licensing terms. And what we'd like to  
12 explore are what potential remains for hold-up once a  
13 company has committed to RAND, identify the potential  
14 causes of hold-up and try to assess how much hold-up may  
15 be occurring.

16               Before we launch into that, Carl Shapiro has  
17 agreed to give us a brief definition of hold-up just so  
18 that we all know what we're talking about, that we're on  
19 a common ground here. For the record, too, he'll give us  
20 a definition of what we're talking about with ex ante and  
21 ex post in this context.

22               MR. SHAPIRO: I'm glad I get to give the  
23 official definition. I guess I'm going to be stuck with  
24 this for a long time.

25               **(Laughter.)**

1           MR. SHAPIRO: Hold-up, I think, is associated  
2 with commitments or the expenditures of sunk costs. Let  
3 me do it by way of example. I was involved in a case  
4 relating to modems. Ex ante, we would refer to the  
5 situation before the group of companies have fixed or set  
6 a standard or committed to it. Ex post, after such a  
7 commitment.

8           Ex ante, there may be, in that case apparently  
9 were, a number of choices of different technologies or  
10 specifications to build into the standard. Ex post,  
11 there then may be certain essential patents that are  
12 needed, technologies or patents that are needed to comply  
13 with the standard. So, the notion of hold-up would be  
14 that ex post there are very few choices, and a company  
15 that controls an essential patent is in a very strong  
16 bargaining position to extract royalties or other  
17 concessions from people who want to comply with the  
18 standard.

19           Ex ante, the bargaining positions are very  
20 different because, let's suppose, there would be maybe  
21 lots of choices rather than what later would become the  
22 essential patent. In addition to the word "hold-up,"  
23 opportunism is a word that's commonly used in the  
24 relevant economics literature, at least, which is on  
25 transaction cost economics, the notion that somebody

1 might wait, perhaps, until commitments were made and then  
2 seek to extract a high royalty or might try to steer  
3 things in a direction so that they would have an  
4 essential patent but not have made a firm commitment ex  
5 ante on the terms on which it would be licensed.

6 MR. WINSTON: Thank you. For the first part of  
7 this portion of the discussion, I'd like to throw out  
8 some general questions and have people respond.  
9 Hopefully the conversation will just steer itself from  
10 there.

11 For this first part, if we could talk about, in  
12 practical terms, how does an IP holder hold up the  
13 potential licensees for a standard, the licensees that  
14 may want to adopt a standard? And what sort of  
15 investments are licensees making in adopting standards  
16 that may be held up?

17 MR. THOMPSON: I guess I'll take the first  
18 whack at this. Interestingly, where I see most of the  
19 hold-up coming from is from a fair bit of fear,  
20 uncertainty and doubt in that somebody -- you know, the  
21 rumor will start that somebody has IP in this area and  
22 the engineers, who are the ones that are at these  
23 conferences, tend to get very concerned because they've  
24 heard, oh, this could be a big problem.

25 From a practical standpoint and what I see in



1 my industry and what I basically advise the engineers  
2 that we have that go to these things -- we don't send  
3 business people, we don't send lawyers -- is don't worry  
4 so much about what the IP is that is going into the  
5 standard or who has it. To some extent, we'll sort that  
6 out at the end. For one thing, you don't know what the  
7 IP is going to be. Most of these standards move fairly  
8 rapidly. It takes much longer to get through the patent  
9 office. So, yes, somebody might say, yes, I've got some  
10 IP in there.

11 Sometimes the reason they're doing that is for  
12 the counter-reason, it's not actually for extracting a  
13 royalty, but to drive the technology in a different  
14 direction. That technology may well be something that  
15 he's got ready to go into production, and so, it's much  
16 better to go drive somebody in the direction of where  
17 he's already got a product or about to have a product  
18 than into this other area, and the way of doing it is to  
19 confuse it by saying, gee, I've got IP in this area.

20 You can play this street on both sides. You  
21 can game it either way. As a consequence, I generally  
22 tend to tell our people to pretty much ignore that. At  
23 the end of the day, what I have to look at is go and try  
24 to figure out what's the likelihood that I'm going to  
25 have to be hit on a standard. Note that -- you know,

1 this goes back to the perspective issue.

2 When I do out-licensing, I do not even look at  
3 standards. In fact, the one thing I don't like is having  
4 a patent that covers the standard, which is sort of a  
5 different view than most people. And the reason for that  
6 is I don't have much bargaining leverage then. I'm  
7 limited to, in most cases, a RAND situation. I do not go  
8 in immediately for an injunction, which is where you have  
9 the maximum leverage. My ideal thing is to have  
10 something that's used, it's very good to have and it's  
11 not a standard.

12 On the other hand, where I do worry about it  
13 from the standard, is coming in. If there are other  
14 players that are at the table that are large companies  
15 such as myself, I can look at that and go, fine, I can  
16 work out a cross-license with them on a portfolio basis.  
17 I am not interested in licensing just that standard. On  
18 the other hand, if it is an individual, I look at that  
19 and go, well, that may be a tax on the industry, and I  
20 you know, it doesn't hurt me any worse than anybody else.  
21 Sometimes that gets gamed like some of the modem cases.

22 There you will see that game because what  
23 everybody thought was happening was a large company --  
24 and this was an ex ante discussion. A large company put  
25 up, here's our rate. Everybody looked at it and said,

1       it's a large company, fine, we can cross-license. And at  
2       the end of the day, that wound up going back to an  
3       individual with no exposure, and a certain -- Southern  
4       California District Court said, gee, because they had put  
5       that out in front, that's good evidence that wasn't the  
6       least bit anticompetitive. Totally missed what the issue  
7       was. The issue was the fact that you thought it was a  
8       large company, you could do a portfolio cross-license,  
9       not a license for that individual thing, and it wound up  
10      being an individual, no exposure.

11                So, it's a very difficult way of looking at it.  
12      That's kind of my approach.

13                MR. KATTAN: It seems to me that the issue of  
14      hold-up has to be looked at in a context in which there  
15      are alternatives or alternative technologies or  
16      alternative patents that could read on a standard, such  
17      that the value of a particular patent is affected greatly  
18      by whether or not it's incorporated to a standard, where  
19      if it's not chosen into a standard, it has little value  
20      or perhaps no value at all, but if it gets incorporated  
21      into a standard, it has very significant value.

22                So, the question becomes, is there a problem of  
23      a hold-up where a technology is adopted that, unbeknownst  
24      to the industry that's adopting it, infringes a patent  
25      that was not disclosed, or is subject to RAND royalties,

1       which is a somewhat amorphous term because you have to  
2       look at the custom of the industry to figure out what's  
3       reasonable and non-discriminatory, where if there would  
4       have been a contest among people who -- or companies that  
5       have competing technologies, you might have had a lower  
6       royalty rate result.

7                I think that if you define the problem that  
8       way, hold-up does occur. The big question is how often  
9       does it occur and how often does it occur within the  
10      standard setting body because there are very good  
11      examples where the party exercising the hold-up did not  
12      participate in standard setting and, therefore, really  
13      didn't have any obligation to disclose anything, didn't  
14      have an obligation to make patents available on  
15      reasonable and non-discriminatory terms.

16               That latter problem is just a practical  
17      problem. It's really not a legal issue. Nobody can  
18      really do anything about it.

19               I've talked to a lot of people who work in  
20      standard setting groups and have asked how often has it  
21      been that somebody has come in and said, choose my  
22      technology, the other guys aren't telling you what  
23      they're going to charge, I'm disclosing to you right here  
24      and now what I'm going to charge and it's a pittance, go  
25      with me? And that is a context where the antitrust

1 concerns about joint discussions, that we've seen in  
2 cases like Addamax or Soundview, simply don't come up  
3 because anybody is free to come in and say, choose me.

4 There's a concern about legal exposure, it's  
5 about the competitors who are participating in the  
6 standard setting discussing, whether or not the terms  
7 that are being offered are reasonable, and we can talk  
8 about whether that ought to be an antitrust concern.

9 Anyway, the answer to that question is, yes, it  
10 has happened, but it doesn't happen very often. And to  
11 me, that suggests that maybe the problem is not as  
12 pervasive as some people might think. I think that the  
13 problem does exist, but companies that are engaged in a  
14 contest to have their technology chosen have the  
15 opportunity to go in and say, choose me and here are the  
16 terms, I'm putting my cards on the table, choose me, and  
17 that doesn't happen very often. It does happen.  
18 Virtually everybody I've talked to has said, yes, I  
19 remember in such and such a case that happened. But  
20 that's far from the norm.

21 MR. VISHNY: I don't know if you're going in  
22 order. I think what Joe has said would be a good time  
23 for somebody who represents a trade association, as such,  
24 to say something about hold-up.

25 I guess you can think of hold-up in several

1 ways. You can think of hold-up as being related to time.  
2 You know, you hold up the adoption of a standard or you  
3 hold up licensing for a period of time in order to  
4 extract a fee that you might not otherwise be able to  
5 extract. That would be hold-up.

6 I suppose that in every standard setting  
7 activity there is a measure of hold-up. In this sense, I  
8 mean, hold-up can be 10 minutes and it could be 10 months  
9 or it can be one week because there are always delays  
10 that arise in any process when two people have to come  
11 together and carry on commercial negotiations. I don't  
12 think anyone can attribute anything harmful, bad,  
13 anticompetitive or wrong in the mere existence of some  
14 delay that relates to the fact that somebody has  
15 something that somebody else wants.

16 In terms of what actually happens in the  
17 standard setting process, for TIA's standpoint, where we  
18 have over 600 standards adopted, we have not even -- we  
19 could not count the number of controversies we've had  
20 over patents on one hand. I've seen problems come up  
21 from time to time and they simply get resolved, and they  
22 tend to get resolved in a period of delay that is not  
23 extreme, not harmful and not difficult.

24 I've asked some other colleagues in the field  
25 what their experience has been in terms of patent-related

1 problems that arise out of the adoption of standards. I  
2 know that, for example, in the question of what is a  
3 reasonable -- RAND terms, that ANSI has said that they  
4 have not had any complaints of controversies arising out  
5 of RAND. A representative of IEEE told me that they have  
6 had no complaints. A representative of ATIS told me that  
7 they have had no complaints. So, I guess when I say that  
8 we have had less than a handful of complaints, we have  
9 more than others, and what we have is indeed  
10 insignificant. We have not seen this as a practical  
11 problem.

12 MR. SHAPIRO: Yeah, I guess I differ a little  
13 bit from what Paul just said in terms of timing and  
14 how -- the question was, what are the sources of hold-up.  
15 I think there are two. One is timing. It relates to  
16 timing, but it's not what Paul said. I mean, of course  
17 things are already slow. One of the problems with  
18 standard setting is it's slow because it requires  
19 consensus and so on and so forth, but I think that  
20 relates to -- and, of course, people say, look, this  
21 bargaining, there's nothing wrong with that, that takes  
22 time. But the problem is, if people hide their  
23 intellectual property and then the process proceeds and a  
24 standard is set, and then they reveal it, it's not like  
25 the whole group can then quickly change course.

1           So, there's a sense of commitment once a  
2           consensus has been reached that is hard to deal with. It  
3           takes a long time to shift to a new standard when the bad  
4           news arrives that somebody wants to hold up the group.

5           MR. VISHNY: I was not trying to say that time  
6           is the only indicator of hold-up. I agree that if  
7           somebody is sitting in the audience hiding intellectual  
8           property, then raising it for the purpose of attracting a  
9           very large royalty, that would be a problem. What I'm  
10          trying to say in that context, it's simply not the kind  
11          of problem we have seen at TIA in the 600 some standards,  
12          and it's not the kind of problem that my colleagues that  
13          I've spoken to have seen in the course of their standard  
14          formulation activities. I don't know whether it ever  
15          exists, but I don't know that it's possible to address  
16          every kind of problem that could conceivably arise in  
17          every kind of circumstance.

18          I think, for example, of the whole concept of  
19          ex ante negotiations, that people coming together in the  
20          context of a standard setting committee talking about  
21          their prices, I think of other trade associations I'm  
22          involved with, for example, that don't set standards or  
23          you have competitors who come together to sell a product,  
24          and I suppose if I walked in the room one day and said,  
25          you know what, folks, it's going to be okay today to talk



1 about prices, there might be a large scale fainting that  
2 would arise from the audience. It kind of assumes that  
3 there is one kind of product that should be singled out  
4 called intellectual property and there should be  
5 discussions permitted, which in other contexts are  
6 generally considered to be, per se, unlawful.

7 MR. WINSTON: If I could just interject one  
8 thing and then we'll move on to Joe. For the purpose of  
9 this discussion we're assuming that the intellectual  
10 property has been disclosed and there has been a  
11 commitment to license on RAND terms. I think we're  
12 talking very much about sort of the fee hold-up that you  
13 mentioned earlier, Paul.

14 MR. VISHNY: Well, we have, from time to time,  
15 had people make commitments to RAND or people say they're  
16 not sure they're going to make commitments to RAND. I'm  
17 simply trying to say that we have sensed no practical  
18 problem in the area.

19 MR. FARRELL: Well, I think -- let me jump in  
20 there if I can. Trying to get back to the question that  
21 we're supposed to be discussing which, as I understand  
22 it, is how much hold-up is there. It seems to me pretty  
23 clear that to the extent these standards organizations  
24 have a role, it's because coordinating on choosing a  
25 standard is difficult, and the fact that they often take

1 a long time and have trouble coordinating on standard  
2 pretty much, I think, implies that they're going to take  
3 a long time and have trouble coordinating on a switch to  
4 something else if the so-called RAND doesn't look so  
5 reasonable to them.

6 So, it seems to me that economic logic says,  
7 pretty firmly, based on that level of description of the  
8 situation, there's the prospect for problems happening  
9 quite a lot. And yet, I think we need to take very  
10 seriously what Paul Vishny had said, which is, you know,  
11 there's a remarkable lack of complaints about these  
12 problems.

13 So, how can we understand that? Well, one  
14 possibility is there are mechanisms going on that make  
15 things work out a lot better than my capsule description  
16 says. Another possibility is that excessively high  
17 royalties, in the sense that Carl sketched out, do get  
18 charged but there's not a lot of complaining about that.  
19 So, let's think about that for a moment. Is that  
20 possible?

21 Well, what would be the point of complaining?  
22 You'd have to think about what happens if somebody does  
23 complain. I think it's also relevant to observe that to  
24 the extent that the people paying royalties are competing  
25 against each other and are all -- or believe that they're

1 all paying roughly the same royalty, there's a lot of  
2 pass-through, so it's the final consumer rather than  
3 these competitors who end up paying.

4 So, it seems to me that if one is going to take  
5 the position that things seem to work out okay, I think  
6 we owe it to consumers to delve a little deeper than just  
7 saying we don't get a lot of complaints. That's  
8 certainly important evidence to look at, but I think it's  
9 worth taking seriously the possibility, and I wouldn't  
10 push it much harder than that, that the reason we don't  
11 get complaints is that the people who are ultimately  
12 harmed are not the people who are in the wrong.

13 So, I think, you know, if we're right that the  
14 obvious way of describing the economics suggests that  
15 there might well be a lot of hold-up, and if we're right  
16 that there aren't a lot of complaints, then I think we  
17 really need to look deeper and say, okay, are there  
18 institutions such as this mutual assured destruction or  
19 portfolio cross-licensing that in practice pretty much  
20 take care of the problem and how do they do that and when  
21 do they break down and in what circumstances might they  
22 tend to break down more and so on?

23 Or is it that high royalties get charged, but  
24 nobody has both the information and the forum and the  
25 incentive to complain about it and it's not clear what

1 happens if complaints do get lodged or what is going on?  
2 I don't think we should just start by saying there's  
3 obviously a problem, and I don't think we should just  
4 start by saying there's obviously not a problem.

5 MR. PETERSON: So, I think it's important to  
6 keep in mind that hold-up is not a binary thing. It's  
7 something that's a matter of degree. There may be many  
8 cases which don't rise to the extraordinary level that  
9 they get a high visibility of attention. The degree to  
10 which a particular patent obtains added leverage by  
11 becoming essential to a standard varies quite a bit and  
12 the extent to which someone exploits that varies quite a  
13 bit. I think there are many cases where those who are  
14 implementing and who ultimately do get licenses, their  
15 goal at the end of the day, of course, is to participate  
16 in the marketplace. They're going to try to solve that  
17 problem.

18 And most of the time, they will solve it by  
19 obtaining some sort of a license, and they may be  
20 troubled by the restrictions that are imposed on them as  
21 a result of the license, the extra grants that they may  
22 have given up or the costs, but at the end of the day,  
23 they're going to move on. They're not going to come back  
24 to the SDO and complain. The SDOs have made it very  
25 clear that they don't want to hear about this stuff.

1 SDOs are not forums in which one goes for a resolution of  
2 what RAND is, and they've made it quite clear.

3 Joe Kattan was mentioning the "choose me"  
4 concept earlier. Why is it that people don't do that  
5 more frequently? Well, in fact, there is an established,  
6 I would say, almost culture, that suggests that that is  
7 not acceptable practice because, in fact, when people  
8 participate in an SDO, certainly the more formalized  
9 ones, they're discouraged from even thinking about those  
10 things. So, the idea that someone would go to the table  
11 and say, listen, we think this alternative is the one  
12 that should be selected over that because, in fact, the  
13 patent owner has offered very favorable terms, I think,  
14 is a kind of discussion which has been quite frequently  
15 discouraged.

16 So, you know, that would be a nice behavior to  
17 have. I think it's, in fact, a behavior that we don't  
18 have because people are discouraged from having it.

19 MS. LEVINE: Scott, can I ask you a follow-up  
20 question on that and on the work that standard setting  
21 organizations do? Is it possible that standard setting  
22 organizations could sort of solve the hold-up problem, or  
23 at least help prevent it, with rules like disclosure  
24 rules? I guess if that's true, is there a market cure  
25 possible? If an SSO lacked disclosure rules, for

1 example, or other rules that could cure hold-up, would it  
2 simply lose members, members that would flock to another  
3 standard setting organization that had those kind of  
4 rules?

5 MR. PETERSON: I think at the present there's a  
6 sufficient disincentive for SDOs to adopt rules that  
7 address this issue more aggressively. There's such a  
8 disincentive for the SDO to do that that I think there  
9 isn't a lot of competition in that regard. I think that,  
10 to a degree, we see some of that possibly in that less  
11 formal forums do, in fact, adopt more aggressive rules  
12 and I think, to a degree, have been taking some business  
13 away from SDOs, to some degree.

14 But on the other hand, there remains an  
15 important role for the more formalized forums because  
16 they serve the needs of having much broader participation  
17 and much more extended consideration. And so, for some  
18 kinds of standards, that's important, and yet, for those  
19 kinds of bodies, I think there's just a tremendous  
20 hesitation to adopt more aggressive rules because I get  
21 the sense that they find themselves dragged into a battle  
22 that they don't want -- they feel neither skilled nor  
23 interested in participating in. So, whether or not the  
24 loss of business is enough to drive the change of rules,  
25 I tend to be skeptical.

1 MR. THOMPSON: Let me go back a little bit to  
2 something Joe was talking about earlier. You were  
3 talking about, you know, it takes a long time to develop  
4 these standards. Sometimes it does, sometimes it  
5 doesn't. Usually the reason it does is because they're  
6 developing the technology as they're developing the  
7 standard. Hence, you know, having a bake-off of  
8 technology on a regular basis or anything like that where  
9 you say, okay, here's my technology and here's its price,  
10 and the next guy going, here's my technology and here's  
11 its price. From a practical standpoint, it doesn't work  
12 very well because you're constantly having to make  
13 different choices in there, and gee, if I had known this,  
14 I would have gone back and done something else.

15 That's assuming that you even know at the end  
16 of the day whether or not you're going to have a patent  
17 on it. In most cases, because of the time delay, you  
18 have no idea whether, A, there's going to be a patent  
19 that covers it; or B, just because there's a patent on  
20 that specific implementation doesn't mean there's not 50  
21 other patents that cover it, and that's where you  
22 generally have your problem. That is particularly true  
23 in my industry. It's impossible to build a semiconductor  
24 device that doesn't infringe 20 other people's patents.  
25 You can't do it. Even if you come up with a new widget,

1       you're going to use somebody else's technology that's out  
2       there that may or may not be part of it. Frankly, I'd  
3       rather deal with the people I know in the room, you know,  
4       deal with them later on than try to carefully steer  
5       around their technology, because then I'm going to design  
6       it squarely into somebody else's IP who wasn't part of  
7       it. That happens a fair bit.

8               MR. FARRELL: Can I interrupt for a moment?  
9       Where is this going? You say the choice among  
10      technologies is time-consuming and difficult, but I'm not  
11      sure how it's made a lot more so by including some  
12      commitments about licensing terms at the same time.

13              MR. THOMPSON: The problem is, the commitments  
14      that you make on the licensing has absolutely no bearing  
15      to what you're actually going to wind up with at the end  
16      of the day. And you've got a lot of engineers now  
17      worrying about --

18              MR. FARRELL: So, you're saying there's no  
19      mechanism to make a real commitment.

20              MR. THOMPSON: Right. There's no mechanism in  
21      there because you don't know what your IP is going to be.  
22      It may or may not cover what you wind up with then in the  
23      standard. You say, fine, I'll announce that I'll license  
24      this for 2 percent. Well, A, it depends on what 2  
25      percent means. Is that 2 percent of the chip, 2 percent



1 of the system price, 2 percent of every time the consumer  
2 uses it? Well, that doesn't help a whole lot because  
3 everybody's presupposing what's going to happen in the  
4 future.

5 You also don't know, at the end of the day, if  
6 you've got anything there, and thirdly, there may well be  
7 other things you have to trade with that. And so, it  
8 winds up not being a practical discussion. And if I  
9 start having to do this -- you know, now I've got to have  
10 business people in meetings. I've got to have licensing  
11 people talking about, gee, what are they going to do.  
12 You know, our licensing people are rare beasts because  
13 they're, first of all, an engineer, secondly, an  
14 attorney, and they're able to handle both worlds. And  
15 thirdly, they have to be a business person. That's a  
16 rare breed. I don't have those to go around for 300  
17 different standards consortia or standards bodies that  
18 I'm in.

19 It's a very real cost to me to even consider  
20 doing that, and that is going to be a major hold-up in  
21 and of itself, trying to have these people available and  
22 to factor that in.

23 MR. WINSTON: I think that we've gotten on to a  
24 more practical consideration of, how would things like ex  
25 ante discussions actually be implemented. For the

1 purpose of this first part of the discussion, we'd like  
2 to stick with the idea that maybe there isn't -- hold-up  
3 while acknowledging that it's difficult to make these  
4 commitments up front and there may be practical reasons  
5 and other reasons why there may be difficulties there.

6 Returning to a few points, a lot of this  
7 discussion has talked about hold-up in terms of fees --  
8 royalty fees, higher royalty fees. Are there other  
9 mechanisms for hold-up? Are there other ways that a  
10 company might be held up rather than just a higher fee?

11 MR. VISHNY: I think it's important to say that  
12 looking at the licensing process as relating to fees, and  
13 to fees only, is terribly simplistic. The process is  
14 complex. Fees are an aspect of licensing. What your  
15 proposed licensee has to give back may be worth a great  
16 deal and may have nothing to do with royalties. It could  
17 be cross-licensing. There can be territorial discussions  
18 that have to take place. There can be international  
19 implications, particularly in the world we now all occupy  
20 today. There are field of use kinds of restrictions.

21 You may be interested in other products, as  
22 Earle said before, that have nothing to do with the  
23 standard under discussion. It simply is not that simple  
24 to discuss licensing and to relate it only to royalties.  
25 To do so just flies in the face of business reality.

1           MR. KATTAN: I think I would agree to the  
2 extent that there is a problem that people identify in  
3 which -- in circumstances in which there may be a  
4 participant in the standard setting process who may be  
5 championing an alternative standard or indeed a  
6 proprietary standard and tries to hold up the process  
7 literally in a temporal sense, to delay the adoption of a  
8 standard by raising all sorts of technical objections and  
9 trying to slow down the process.

10           Again, I don't necessarily see that as an  
11 antitrust issue, but it is a problem that people do  
12 encounter in standard setting. That's one of the reasons  
13 that people sometimes tend to gravitate toward the SIGs  
14 that I talked about earlier, because those types of  
15 organizations tend to be less encumbered by the kind of  
16 procedure that would allow somebody to hold up the  
17 process.

18           MR. THOMPSON: I think it's, you know, similar  
19 to what Joe and Scott were talking about here. I think a  
20 very real issue there -- and it's one of the reasons the  
21 consortia or SIGs, who you're talking to, came about, is  
22 a lot of times it's a way for a company to push its  
23 proprietary technology. And in that situation, yes, it's  
24 very practical to talk about what the economics are going  
25 to be ahead of time. Because you know where the IP is.

1 This person has probably developed it and now they're  
2 trying to get in implementers of it to further that  
3 technology. And everybody looks at it and says, is this  
4 a good business deal or not and understands what it is.  
5 It makes sense in some of those environments to allow  
6 that.

7 But what really happens in there is it's  
8 basically set from the beginning. It's not a mutual  
9 discussion over what the price is going to be. The  
10 company that's pitching in its technology is the one  
11 that's going to tell you what it's going to be. You  
12 know, here's what I'm going to charge, and gee, everybody  
13 else, you know, I want to grantback or I want everybody  
14 else to be royalty-free, the way in practice most of  
15 those work today.

16 And they work fairly well. I mean, there's  
17 nothing wrong with that. But that's already developed  
18 technology. Most of the other standards -- and the  
19 reason I go back to the timing and not knowing what it is  
20 is you are developing the technology as you are  
21 developing the standard. That's not the case in many of  
22 the proprietary systems.

23 MR. KATTAN: I would just take exception to the  
24 notion that the SIGs involve proprietary technologies. I  
25 think they encompass a wide variety of technologies, some

1 in the state of development, some of which have been  
2 developed. But it's not a mechanism for just one company  
3 to push its agenda. I don't think that's right.

4 MR. THOMPSON: There are several different  
5 types of those, and yes, there are SIGs that operate just  
6 like a more formal SDO, have similar policies and those  
7 are carefully negotiated policies. I know because I  
8 negotiated about two of those a week. On the other hand,  
9 you know, there are other consortia that are set up  
10 specifically to push proprietary technology, two  
11 different things.

12 MR. PETERSON: I want to say something about  
13 this complexity of license terms issue. In this problem  
14 of licensing a patent that's essential to a standard,  
15 fairness among those who are going to participate in the  
16 marketplace, I think, is of particular concern. And, at  
17 least, fees are a way to more readily make something, I  
18 think, fair or at least understand fairness. The  
19 opportunity for -- although people may enter into very  
20 complex bilateral agreements when licensing patents  
21 generally -- when that's the way a patent is licensed --  
22 if that was the only way a patent was licensed for  
23 practice of a standard, there's all kinds of opportunity  
24 for anticompetitive effects to go relatively hidden in  
25 these other terms.

1           I mean, so, for example, the grantbacks or non-  
2 assert provisions have very widely varying effects  
3 depending on the portfolios of the people that are  
4 signing up, whereas fees are something that at least are  
5 measurable and can be -- so, although I think, in  
6 general, licensing can be very complicated, I think that  
7 people should be free to enter into those complicated  
8 licenses.

9           On the other hand, we should not assume that  
10 that's the kind of license which ought to be the baseline  
11 for the availability of a patent that's essential to a  
12 standard.

13           MR. VISHNY: But I can't imagine imposing the  
14 kind of license you think is proper or I think is proper,  
15 calling it a baseline and kind of limiting to either  
16 discussions or the activity.

17           MR. SHAPIRO: But I don't think anybody's  
18 talking about putting some sort of standardized form on  
19 these arrangements. That's more a matter of identifying  
20 up front what the terms are going to be. I think your  
21 point, Paul, that there's a whole variety of terms, just  
22 I think shows why that sort of fair, reasonable and non-  
23 discriminatory language is very vague.

24           I mean, what's non-discriminatory? Is it non-  
25 discriminatory to require a broad grantback or cross-

1 license? That makes a huge -- as you just pointed out,  
2 that's hugely different for one company versus another,  
3 depending on what they would have to give back.

4 What's non-discriminatory? If you have a fixed  
5 fee versus a per unit fee? Very large versus small  
6 companies? What do we mean by that? Reasonable, of  
7 course, there's not going to be any good benchmark for  
8 that. Some patents are great and deserve a lot. Others  
9 are minuscule. You know, what's reasonable for one would  
10 not be reasonable for another.

11 So, I guess I'm partly echoing Joe's point that  
12 -- at least to an economist -- and believe me, I'm  
13 listening to you about how often these problems really  
14 surface. I know cases where they are litigated and big  
15 disputes. It just seems there's a lot of running room  
16 between different interpretations of fair, reasonable and  
17 non-discriminatory when we've got complex terms and  
18 conditions that are integral to the whole process.

19 MR. FARRELL: Let me say a couple of things,  
20 actually. On the issue of complexity, I'm sure that's  
21 right. It's not clear to me that -- I'm not sure if  
22 we're still meant to be discussing is there hold-up and  
23 how much or whether we've gone on to the other topics.  
24 But if we're discussing is there hold-up and if so how  
25 much, it seems to me the core point is the extent to

1       which an IP holder acquires additional bargaining power  
2       through the SDO having completed its -- or gone a certain  
3       distance in its standard option process. And the exact  
4       form in which that bargaining power is then exercised may  
5       not be tremendously important for the central point.

6                But let me make a rather fundamental point  
7       about reasonable and non-discriminatory. I mean, my  
8       instinct is much the same as Carl's, which is that it's  
9       going to be very difficult to specify even what that  
10      means. But I also think my understanding, at least, of  
11      reasonable and non-discriminatory is that it's some kind  
12      of an attempt to put a cap on opportunism or hold-up.  
13      But I think it's not so obvious that that's the effect  
14      it's always going to have.

15               Suppose you could define what reasonable and  
16      non-discriminatory means, or more precisely, suppose you  
17      could define what non-discriminatory means and you have a  
18      hard time saying what reasonable means. It seems to me  
19      you would be flirting with what I would identify as the  
20      worst case for this kind of hold-up problem; namely,  
21      vigorous competition in implementation of any possible  
22      standard, so that the pass-through effect I was  
23      mentioning before is at its strongest. Final demand for  
24      the standardized product, is inelastic; in other words,  
25      very little competition against the standard. A slow and



1       cumbersome processes, for whatever reason, of adopting  
2       the standards so that escaping to something else might be  
3       difficult and not very tempting. And a well-enforced,  
4       non-discrimination rule which contributes to this pass-  
5       through issue without a well-enforced royalty-free or --  
6       "reasonable" provision.

7                 And it seems to me that perspective says you're  
8       looking at something a little different from what I  
9       thought I heard Scott identify, which is there is an  
10      important issue of fairness among the intermediate good  
11      customers, the adopters of this technology who then  
12      compete downstream in the market.

13                From a consumer point of view, the issue may  
14      not be so much parity or fairness among them as what's  
15      the pass-through, and the pass-through may actually be  
16      pretty strong where there's a lot of competition in  
17      implementation of the standard, and a lot of commonality  
18      in the marginal royalty rate.

19                So, I wonder whether -- you know, we have been  
20      talking as if reasonable and non-discriminatory is our  
21      protection against problems, and the difficulty might be  
22      with its definition of enforcement. That may be true.  
23      It may be true some of the time. I don't know how to  
24      think about this. But I can certainly see a story in  
25      which it's actually part of the problem.

1 MS. GALBREATH: Joe, I really appreciate all of  
2 your comments and they are ones that we are going to get  
3 back to. But in the interim, I think what we would like  
4 to do is to get to the antitrust issues that really are  
5 the core of what we are looking at today, and then get  
6 the RAND issues at the end of our discussion. So, I  
7 really do hope that we will get back to what you've said  
8 and get some comments and feedback on that.

9 Before we get there, however, for this part of  
10 the discussion, we are going to try to assume that  
11 licensing hold-up exists, that a standard has been set,  
12 that it includes intellectual property, and that the  
13 potential for licensing hold-up, in whatever form it  
14 might come in, and, obviously, the fee issue is one of  
15 those forms, but Scott has alluded to other types of  
16 hold-ups as well in the licensing process.

17 There are, obviously, mechanisms that could be  
18 used to deal with that hold-up, and among them are the ex  
19 ante discussions, multilateral discussion of terms within  
20 the organization. We've heard in our previous hearings  
21 that a lot of bilateral discussions may be taking place  
22 outside of standards organizations. What we're looking  
23 at here today is those multilateral licensing  
24 discussions.

25 The question before us, then, is to what extent

1       should those ex ante, multilateral discussions be of  
2       concern from an antitrust point of view. Obviously, as  
3       antitrust enforcers and as practitioners, our ears perk  
4       up a little bit when we hear about horizontal competitors  
5       or potential horizontal competitors discussing market  
6       terms, price, inputs, allocation of markets, that kind of  
7       thing.

8                 Should per se rules apply? Should the rule of  
9       reason be before us? And what are the various pros and  
10      cons to the approaches that we should be taking to those  
11      issues as we are looking at what we think people should  
12      be doing in the organizations?

13                So, with that, I'd like to throw the discussion  
14      really open to the panel, and if we could, first, for a  
15      moment, talk a bit about the potential for per se  
16      concern, if there is one.

17                MR. VISHNY: Well, I certainly think there's a  
18      potential for a per se concern from a legal standpoint.  
19      I mean, I see -- just because it's impossible to discuss  
20      one aspect without some reference to the other. I  
21      remember a class I once took in theology when the  
22      professor said -- he broke down the problems that he saw  
23      in something in three forms. He said there was a legal  
24      problem, there was a practical problem and there was a  
25      moral problem. I'm totally incompetent to discuss the

1 moral problem about this, but I see both a legal problem  
2 and a practical problem.

3 From the standpoint of an organization  
4 administering the standard setting process, I shudder to  
5 think that we would ask our working group chairs to try  
6 and define the rule of reason. I don't know that there's  
7 any lawyer who would want to trust that to the people who  
8 chair our committees, not because they are incompetent  
9 people, not because they are unfair people, but because  
10 they are unskilled and not prepared for the task.

11 Are there potential legal problems in a group  
12 of purchasers of technology coming together to discuss  
13 the terms on which they will purchase the technology?  
14 You can also ask, is there any problem in any case where  
15 a group of purchasers come together in order to discuss  
16 the terms on which they will purchase a product? Is  
17 there a difference between this product and every other  
18 product in life? And I would suggest there is no  
19 necessary difference between this product. It's  
20 different, of course, but I can't say that it is  
21 necessarily different from every other product in life.

22 I was thinking to myself that if buyers come  
23 together to discuss this, the buyers could come together  
24 and collude to fix the prices down, to lower the prices,  
25 to the harm of the producer, which might benefit the

1 consumer in terms of the pass-through of a lower price.

2 But the buyers might come together and collude  
3 to fix prices higher and even agree on end product prices  
4 to the harm of consumer in that setting because the  
5 spillover effects are at least, I would suggest, as  
6 likely as any other effect. Buyers could collude to  
7 exclude the best technology which may not be price-  
8 related, but certainly would be to the harm of consumers  
9 in a non-price way, and cross-licensing discussions, for  
10 example, where a group of buyers come together and talk  
11 about licensing of all kinds of, perhaps even  
12 competitive, technology could lead to a fixed agreement  
13 on the setting of prices for license technology as well.  
14 In other words, the buyer's cartel, in a case like that,  
15 could be converted into a seller's cartel.

16 I think there are those possibilities, at  
17 least, in this discussion.

18 MR. KATTAN: I think there's a fundamental  
19 difference between a buyer's cartel and a standard  
20 setting organization in that the act of the standard  
21 setting very often creates the demand for the technology,  
22 or if you want to call it product, that is being  
23 purchased, which demand otherwise might not exist at all.

24 The incorporation of a technology into a  
25 standard can, at least in the context where there are

1 reasonable alternatives that are available to the  
2 standard setting body, create the demand for that product  
3 or for that patent. And in that context, to talk about  
4 per se liability is to disregard the integrative effort  
5 that takes place in developing the standard and in  
6 creating the demand for the technology.

7 I don't know if it's proper protocol, but Gail  
8 Levine wrote a wonderful article on B2B exchanges in  
9 which she discussed this very problem. So, I don't think  
10 that it's appropriate to talk about per se liability when  
11 what you're effectively doing here is potentially  
12 creating market power that otherwise would not exist and  
13 then seeking to have a discussion that would constrain  
14 the market power that you've created.

15 Whether or not standards organizations take  
16 advantage of a more relaxed legal rule, I don't know. I  
17 tend to think that most will not. But they ought to have  
18 the opportunity to do so, at least in those circumstances  
19 where it's their actions that is -- their action that is  
20 creating the demand.

21 MR. VISHNY: I'm not trying to suggest that  
22 there is always a per se liability involved in any kind  
23 of a discussion and I'm not trying to say that there are  
24 always antitrust risks in every discussion, but I do say  
25 there are, at least, antitrust concerns in every

1 discussion because of the potential there for other kinds  
2 of discussion, as well, and other consequences.

3 MR. FARRELL: Well, I think there are a couple  
4 of things here. I mean, one is a concern that if you  
5 stop telling the human participants in the standards  
6 organizations, don't discuss business matters, then maybe  
7 we'll get temptation to collude on prices downstream,  
8 maybe we'll get temptation to do various bad things  
9 because we're in this smoke-filled room.

10 I personally am a bit skeptical of that. I  
11 mean, it seems to me -- I don't see why it should be so  
12 much harder to tell participants -- instead of telling  
13 them don't talk about prices and business matters, tell  
14 them, don't talk about selling prices, don't talk about  
15 market allocation, talk about trying to implement the  
16 best technology available as cheaply as possible. But,  
17 you know, that's a practical issue on which other people  
18 may have different opinions or more experience than me.

19 It seems to me then -- I kind of like Scott  
20 Peterson's discussion of the buyer monopsony issue. The  
21 traditional monopsony issue of reducing the quantity  
22 through depressing the price seems to me probably doesn't  
23 arise. Something that does arise, I think in principle,  
24 is under-rewarding -- the potential for under-rewarding  
25 the innovator of the best available technology by

1           essentially executing a form of price squeeze and saying  
2           we'd like to adopt your best technology, but we'll give  
3           you a dollar for it rather than the X dollars that it's  
4           worth relative to the next best alternative.

5                     They could squeeze relative to the appropriate,  
6           that is, ex ante reward as well as relative to the  
7           inflated ex post opportunistic reward. So, the question  
8           then becomes how likely is that kind of -- is that kind  
9           coordinated buyer opportunism? I think it's hard to say.

10                    My instinct is probably not that likely partly  
11           because of this pass-through issue, which suggests that  
12           where you have competing producers acting as the  
13           negotiator on behalf of consumers, as it were, they have  
14           an incentive not to bargain necessarily all that hard.  
15           But that's going to vary. It seems to me in principle,  
16           this could be a concern. It's going to be a question of  
17           trying to judge how often and how large a concern it is,  
18           relative to the other concerns.

19                    I mean, I don't think we should allow ourselves  
20           to stop with the observation that this could be a  
21           concern. I think we have to try somehow to weigh it  
22           against the other concerns that we're talking about.

23                    MS. GALBREATH: Scott?

24                    MR. PETERSON: I think that people take cost  
25           into consideration when they're selecting standards all



1 the time. I think it's routine to consider that this  
2 alternative will be more costly to implement than that  
3 alternative. I think taking cost into consideration is  
4 commonplace. However, this particular cost is one that  
5 is somehow specifically excluded from the discussion and  
6 consideration, and I find that curious and I think  
7 unhelpful to the end of selecting the right standard. To  
8 suggest that people don't take cost into consideration, I  
9 think, that's just not my observation of the kinds of  
10 standards that I see.

11 I mean, it doesn't come in -- this is a case  
12 where the cost has particular kinds of business terms  
13 associated with it and, therefore, has gotten special  
14 treatment in the sense of being excluded from the  
15 discussion and otherwise, I just find it curious that  
16 it's excluded when, in fact, other costs are considered.

17 MS. GALBREATH: Scott, could I follow up on  
18 that and ask, is it in your experience, and the  
19 experience of the rest of the panelists, because the  
20 consideration of cost -- and by that I take it you mean  
21 all of the various terms and conditions of the license --  
22 is something that people are negotiating bilaterally or  
23 is it because costs are apparent as a part of the  
24 standard setting organization? And is there a  
25 distinction between that and what we as antitrust

1 enforcers think about in terms of price where you're  
2 talking about price fixing? Is that a distinction with a  
3 difference or not?

4 MR. PETERSON: I'm talking about the concern  
5 that one selecting the standard ought to have is how  
6 expensive is it going to be for them and others to  
7 implement this, and there are dollars that are associated  
8 with that. I don't know what the term would be that one  
9 associates with that, okay?

10 So, I think of it as inputs to this, and I  
11 think of that as cost. So, the costs associated with  
12 that are considerations. You might have a standard that  
13 might require 10 times as many components and therefore,  
14 is more costly, and that's clearly contemplated in the  
15 consideration. If you have, as Joe was mentioning  
16 earlier, the "choose me" opportunity where something was  
17 clearly put on the table with a, yes, there's a patent  
18 that's associated with this, the licensing terms will be  
19 the following, people could take that into consideration.

20 There is too little of that happening both  
21 because the information is generally not available  
22 because the discussion stops at RAND without any further  
23 detail, and to the extent that could play into the  
24 conversation that the participants have among themselves,  
25 there are, oftentimes, specific admonitions that they

1           should not take that into consideration.

2                       MR. THOMPSON: I think there is nothing that  
3 prohibits somebody from making a unilateral declaration,  
4 here's what I'm willing to ante up my technology for.

5                       MR. PETERSON: I think there are forums in  
6 which that's specifically discouraged.

7                       MR. THOMPSON: Yes.

8                       MR. PETERSON: The aggressive participant,  
9 perhaps, could do so, but I think -- for example, the  
10 IEEE, I think, is very concerned about that and has  
11 resisted being even in receipt of detailed terms. I  
12 recall an affair -- this was outside the U.S. -- but ECMA  
13 (phonetic), some specific experience with them where they  
14 didn't want to see these or have anything to do with  
15 them, notwithstanding the fact that the others who would  
16 be actively considering this as it came up for vote, this  
17 would be information that would be valuable to them.

18                      MR. THOMPSON: I question the value of it, and  
19 it goes back to what I said earlier. You know, you make  
20 a declaration, here's what my costs are, here's what I'm  
21 going to extract. Well, that's not necessarily what your  
22 royalty is going to be. There's all sorts of other terms  
23 in there. It depends on who it is. If the person has  
24 absolutely nothing to trade, yes, it may be an upper  
25 limit, but that also is not what -- if everybody thinks,

1 oh, okay, here's what this technology costs, that is also  
2 not true because you're liable to have four other people  
3 come knock on your door as well.

4 So, from a practical standpoint, you know, that  
5 information does very little good for me. I look at who  
6 is in that general area and I have to go look at -- you  
7 know, balance entire portfolios against whoever is there,  
8 what my costs might be, what's the potential for  
9 litigation, how strong do I think their patents are going  
10 to be, that kind of thing, and it all goes into a fairly  
11 complex modeling.

12 MR. VISHNY: I don't have the benefit of  
13 sitting in on working group meetings at TIA or anywhere  
14 else. But from what I'm told, what I hear, is that  
15 discussions -- private discussions outside of the setting  
16 take place all the time, particularly when some  
17 disclosure, however preliminary, is made and a claim of  
18 IP, people sit and talk. They want to know what's  
19 involved. They approach them and they even begin their  
20 negotiations, which are sometimes concluded, sometimes  
21 not concluded because you can have applications pending,  
22 you don't know if a patent is going to issue. There is  
23 so much that is unknown during the course of that  
24 process. To treat it as if it were a conclusive  
25 arrangement at that point is, again, an impractical

1 thing.

2 MR. PETERSON: But do we want to foster that  
3 kind of behavior? I'm not sure that that actually is  
4 more desirable. That these private discussions among  
5 some of the individual participants is necessarily more  
6 pro-competitive than having some sort of discussion that  
7 a broader range of people can participate in. I see all  
8 kinds of opportunity for participants to cut their  
9 private deals on the side, and that isn't necessarily  
10 desirable either.

11 So, there are challenges associated with  
12 managing people's behavior. I don't think that pressing  
13 the evaluation of this to bilateral discussions outside  
14 eliminates the problem. I think it's susceptible of a  
15 different category of problems.

16 MR. SHAPIRO: It seems to me there's pretty  
17 clear consensus that there is a chill on these sort of  
18 discussions currently resulting from antitrust fears. I  
19 mean, you said that people would faint in the room if  
20 they could talk about prices or commercial terms. Okay,  
21 that's very chilly.

22 I think that the agencies can really make a  
23 difference here by clarifying things so that that chill  
24 is not so broad or deep. This, I think, kind of is going  
25 to trickle. You know, if the agencies can say things

1       then these standard setting organizations can modify some  
2       of their rules which are, in turn, making companies very  
3       uneasy about engaging in these discussions, and tends to  
4       channel some of the discussion offline to bilateral  
5       rather than multilateral conversations, which raises a  
6       whole bunch of other tricky issues. I tend to be with  
7       you, Scott, that I'd rather have it be up front where  
8       people say, look, here are my terms and conditions, you  
9       know, for the group.

10               Now, okay, it is collective talking about --  
11       you know, you could worry about the buyer's cartel  
12       problem. I guess I would not start there or with some  
13       sort of per se view, which I understand antitrust lawyers  
14       might tend to start with that, I would suggest a rather  
15       different approach which is presumption that the attempt  
16       to achieve lower costs is pro-competitive. Okay, now  
17       there's probably ways to rebut that. You know, I haven't  
18       thought through all these rules. But that's very  
19       different than sort of a per se, you know, if you're  
20       talking about this stuff, that's a cartel, we end the  
21       inquiry, okay? I mean, we're fundamentally talking about  
22       attempts to get lower costs and that's a good thing.

23               As Joe has pointed out, there may not be enough  
24       incentives in the system for the participants to do that  
25       because of pass-through issues. So, we want to encourage

1 that and sort of a recognition and maybe statement from  
2 the agencies, yeah, lower costs, that's a good thing,  
3 that's pro-competitive and we do think those will tend to  
4 be passed through to final consumers who are ultimately  
5 kind of -- you know, who are interested in it.

6 MS. LEVINE: Carl, just a clarification  
7 question. Are you talking about lower costs to the firms  
8 who are collectively buying the intellectual property?

9 MR. SHAPIRO: Yeah, lower costs ultimately to  
10 implement the standard and produce products, as a result,  
11 making sure there's no hold-up, that the royalty costs  
12 would be lower and, therefore, the marginal cost of the  
13 product is lower and hopefully downstream that will lead  
14 to lower consumer prices.

15 So, I would start there and nowhere near sort  
16 of a per se rule when we're talking about trying to  
17 prevent hold-up.

18 MS. GALBREATH: Carl has brought us really to  
19 the point that we wanted to go next, which was the pro-  
20 competitive or potential pro-competitive aspects of this  
21 and to a point that Joe made a while ago about the pass-  
22 through. The question that I would pose to the panel is  
23 if there are pro-competitive efficiencies from such  
24 negotiations, would those pro-competitive efficiencies be  
25 passed through to consumers? And, how could we ensure

1           that they would be?

2                         We've talked a lot about the possibility of  
3 collusion in the last few minutes. Obviously, the flip  
4 side of that is exclusion. And so, to begin with, we've  
5 heard about how people do or don't participate. I think  
6 that's an issue. And then the issue of pass-through.  
7 So, I'll throw it open to the panel. Joe Kattan, I'll  
8 turn to you.

9                         MR. KATTAN: Let me just say one thing about  
10 pass-through where I have to disagree with Joe and Carl.  
11 Their position is royalties are passed through;  
12 therefore, companies don't have an incentive to complain  
13 because it's no skin off their back. In fact, royalties  
14 are passed through by some companies and not by others  
15 because some companies that participate in standard  
16 setting, particularly in the semiconductor industry, have  
17 very broad cross-licenses. They don't have to pay  
18 royalties on a standard where the patent is held by  
19 somebody with whom they have a cross-license. Other  
20 companies don't and they have to pay royalties. So,  
21 those companies do have an incentive to complain because  
22 their cost position, relative to people who are cross-  
23 licensed, is higher.

24                         So, I think that there is something to be taken  
25 away. I don't know how much, but there is something to



1 be taken away from the notion that complaints are not as  
2 frequent as one might suggest.

3 Now, suppose if you had an antitrust rule that  
4 said that you are allowed, in the context of a standard  
5 setting, to discuss the terms under which patents would  
6 be licensed, or at least that there's a strong  
7 presumption that that's pro-competitive, is the position  
8 that Carl advocated and I tend to agree with, would it  
9 make a difference?

10 I'm not convinced how big a difference it would  
11 make because I think some standard setting organizations  
12 are very, very comfortable having the antitrust  
13 restrictions.

14 If you look at the comments that were filed  
15 with regard to the FTC's Dell consent order, standard  
16 setting organizations said, oh, my God, are you, FTC,  
17 trying to impose on our process a duty of disclosure? If  
18 you do that, it's going to drive away a lot of the  
19 companies that have IP. So, if you give them that  
20 latitude to engage in discussions, to allow disclosures,  
21 indeed to require disclosures of IP positions, it is not  
22 clear to me how many will take advantage of it and what  
23 difference it will make. But clearly to the extent that  
24 people do want to take advantage of it and have  
25 discussions that result in lower royalties, I think at

1       least in the context of the industries that I'm familiar  
2       with, you will have a pass-through to consumers because  
3       the entire semiconductor industry is built around selling  
4       you something that you already have. By convincing you  
5       to buy something that you already have because the new  
6       version is just so much cooler.

7               MR. THOMPSON: Well, that's the PC industry.

8               MR. KATTAN: And price considerations drive  
9       everything. I mean, that's why we see these \$299 PCs.

10              MR. THOMPSON: Let me address the pass-through  
11      and the cross-licenses. At the beginning this morning,  
12      when I was going through the history of where licensing  
13      had come from in TI, the situation that would be most  
14      analogous was in the pre-'85 time frame where everybody  
15      basically cross-licensed for very little money. You  
16      know, the consumer benefitted greatly, or seemed to,  
17      until companies started going out of business because  
18      other people were coming in without having to have spent  
19      the R&D. You know, yes, it's a new generation. Yes,  
20      they have things to contribute in the future, but you  
21      lose a lot at the same time. That was why there was a  
22      period after '85 where it was leveling off the field, and  
23      that's where royalties started being charged for that  
24      same technology.

25              Yes, that got passed on to the consumer, but

1 the consumer benefitted because now even the people who  
2 wanted to now play in this field were desperately trying  
3 to make new inventions of their own so that they could  
4 bring their royalty levels back down and that actually  
5 encouraged innovation on both sides. So, you know, the  
6 consumer, ultimately, benefitted.

7 Technology hasn't stagnated. That's the reason  
8 the PC industry can keep selling you a new computer every  
9 couple years. Sorry, Scott.

10 MS. GALBREATH: Joe.

11 MR. FARRELL: I think the topic has come up a  
12 couple of times, but we haven't really focused on it.  
13 There are two dichotomies in the way that royalty is --  
14 or terms, in general, for licensing might be negotiated.  
15 One is ex ante versus ex post and the other is  
16 multilateral or joint negotiation versus bilateral  
17 negotiation. The RAND rules seem to try to make it more  
18 multilateral and less bilateral. The kind of first order  
19 concern about hold-up that at least some of us started  
20 out with suggests that there's a problem with doing it ex  
21 post multilaterally versus ex ante.

22 The bilateral discussions that Scott was  
23 suggesting might be sometimes frowned upon and sometimes  
24 problematic are a way of doing it ex ante but  
25 bilaterally. And it seems to me there are some real

1 questions, questions that I don't actually know the  
2 answer to. What happens if you do bilateral ex ante  
3 negotiation? Well, you don't have the hold-up problem  
4 due to the commitment or sunk costs. You have this  
5 strange negotiation where presumably the parties who are  
6 perceived to be pivotal in the standards process get very  
7 good terms, and parties who are not perceived to be  
8 pivotal get much less good terms. And then you have to  
9 think through, well, that generates some reward for the  
10 innovator and it generates perhaps a rather asymmetric or  
11 ex post lopsided market structure downstream. Is that a  
12 good way of doing things? It's not clear to me whether  
13 that's a good way of doing things.

14 So, do you want to deal with those problems,  
15 which, as I said here, I don't really see how to analyze  
16 very convincingly, or do you want to deal with the  
17 problems generated by joint negotiation, in which case it  
18 seems to me again, you know, still sort of where we  
19 started. Logic suggests that ex ante is kind of better  
20 than ex post to the extent that you can do it, and Earle,  
21 I'm sure, has a good point that it's hard, perhaps, to  
22 make these commitments, but you can try, and to the  
23 extent that it doesn't generate smoke-filled room  
24 problems or technology monopsony problems, which my  
25 inclination is not to worry too much about that, but I

1           could be wrong about that.

2                       MR. VISHNY: I have one concern, I guess. I  
3 realize it's very hard to explain and, perhaps,  
4 impossible to explain. First of all, I think RAND rules  
5 tend to be -- give rise to bilateral discussions rather  
6 than multilateral. RAND rules may impose on the  
7 discussions kind of a common culture, if you will.

8                       MR. FARRELL: That's what I meant.

9                       MR. VISHNY: But the discussions tend to be  
10 bilateral. Secondly, there is -- I don't know if I can  
11 even define it, but there is reason, I think, to state  
12 that RAND rules impose a kind of culture over the entire  
13 standard setting process which works, and that the  
14 exclusion of commercial negotiations during the process  
15 itself also works. At least that's the experience we  
16 certainly have at TIA.

17                      The evidence that it works is the absence of  
18 problems because we have highly competitive companies.  
19 We have companies who go at each other with great  
20 strength, with great vigor and with an awful lot of  
21 ambition, and that's justified and, in fact, it's what we  
22 want, I think, in our society and in our own culture.

23                      The RAND rules act as an inhibitor in the  
24 entire process of negotiations. There is the feeling  
25 that somewhere out there there is somebody who can

1 ultimately judge the imposition of terms that might prove  
2 to be after the fact, if you will -- and that's what  
3 happens whenever you go to court, it's after the fact --  
4 that might prove you wrong. I think it has its effect,  
5 which is shown in actual practice.

6 Now, one can theorize that the actual practice  
7 doesn't disclose what is, in fact, taking place and that  
8 maybe something else is taking place, but that remains a  
9 maybe and not a certainty and a maybe which I think does  
10 not justify remedial action at this point.

11 MR. SHAPIRO: Well, are you saying you tend to  
12 prefer the R part of RAND without the ND?

13 MR. VISHNY: No, no, I prefer both. But non-  
14 discriminatory, for example, doesn't mean sameness. It  
15 doesn't mean without difference. It means something else  
16 and I'm not sure I'm capable of defining it. We often  
17 talk in life about not being able to define something but  
18 recognizing it when it exists. That may be a foolish  
19 truism, but it sort of works. I don't think we have  
20 problems with that.

21 I've seen people raise licensing issues that  
22 troubled me because I wondered whether they were  
23 reasonable or not reasonable, discriminatory or not  
24 discriminatory. I mean, reasonable is one thing.  
25 Discriminatory means somehow you discriminate between or

1 among different licensees. When do you discriminate? Is  
2 every difference a discrimination? I think not.

3 MR. KATTAN: Let me throw a fire bomb. If the  
4 multilateral discussion of price is an antitrust evil,  
5 why is it okay -- I guess I'm addressing this to Paul --  
6 to even agree that the price should be reasonable? I  
7 mean, the Supreme Court said in Socony Vacuum that you  
8 can't even agree on reasonable prices.

9 So, once we start from the premise that it's  
10 okay to talk about some price, haven't we really crossed  
11 the threshold and made a decision that in the context of  
12 standard setting, in the context in which the demand for  
13 a patent may be the product of the collective decision-  
14 making, it ought to be permissible to discuss the price  
15 under which the patent will be licensed.

16 MR. SHAPIRO: Or you could point out since  
17 reasonable is so vague, it doesn't amount to anything.

18 MR. FARRELL: I think that raises a real  
19 concern. If Paul doesn't quite know what reasonable and  
20 non-discriminatory means probably there are few, if any  
21 people, who really do know what it means. But then  
22 wouldn't you necessarily expect either that the rule is  
23 having no effect or that there ought to be arguments all  
24 the time? So, I'm puzzled about what's going on there.

25 MR. VISHNY: Of one thing I am certain and

1       that's the people who are negotiating for the  
2       establishment for the creation of a standard don't know  
3       what reasonable and non-discriminatory mean. But I'm  
4       really trying to say, in other words, it's something that  
5       Earle said, and that is that the people who populate  
6       these committees are not the people who are skilled at or  
7       who carry on commercial negotiations and imposing that  
8       task on them is probably impossible.

9                At TIA, for example, we have an intellectual  
10       property working group that meets from time to time  
11       looking at our policies and our standards which are  
12       consistent with those of ANSI -- we try to keep them  
13       consistent, we think they are -- at all times. But we  
14       come across a great deal of difficulty when we talk  
15       about: who is it who sits in the room? What is it that  
16       that person knows? What is it that that person is in  
17       the position to disclose at any given time? To what can  
18       that person commit? And we have a great deal of  
19       difficulty in trying to find it. I think that becomes  
20       even more complex when you go beyond the technological  
21       terms of the standard setting process and into the  
22       commercial terms.

23               MR. THOMPSON: One other point on is RAND an  
24       empty term and what is it you've really agreed to. One  
25       thing I mentioned earlier is I'd much rather have a



1 patent that's not part of a standard, and it's because  
2 when I commit to RAND licensing, I just gave up my  
3 injunctive power for a while, and that's a big difference  
4 and a big lever. I have to know what scope of commitment  
5 that I have made up front, and that's a very big deal.  
6 That's one of the reasons I agreed every type of  
7 consortia, SIG agreement or whatever, to know what that  
8 scope is that I'm giving up potentially.

9 MR. SHAPIRO: I want to take exception, Paul.  
10 I mean, it seems to me you said something about we  
11 shouldn't impose the requirement that people have to  
12 discuss these terms and conditions, and, Earle, you said,  
13 oh, it would be so costly because you'd have to send all  
14 these lawyers, I guess, are worth more than engineers or  
15 something like that. I don't know exactly.

16 MR. VISHNY: You don't want to be so foolish as  
17 to send a bunch of lawyers.

18 MR. SHAPIRO: Well, fine, or licensing --  
19 business people who know about licensing. I don't think  
20 anybody here is talking about imposing any such  
21 requirement. We're talking about removing a bar or  
22 taking away a chill. If all the companies say, look, I  
23 can't send the licensing people, they're busy doing other  
24 things, don't send them, nobody's making you send them.  
25 We're just saying if you want to, and if you think it's

1 important, then you won't be prohibited from doing so.

2 So, I think that's just a red herring. I don't  
3 buy that at all.

4 MR. VISHNY: I think what you say is, if you  
5 want to, it won't be prohibited, provided you do it in a  
6 way that's not antitrust, right? Is that what you say?  
7 Or do you say that if you want to, it's not prohibited  
8 and you can do it on any basis you want? Is that what  
9 you say? And if not, what do you say? I have a lot of  
10 difficulty with that.

11 MS. GALBREATH: One thing that we discussed in  
12 the earlier session having to do with standards was the  
13 fact that some of the organizations that we're familiar  
14 with have gotten around to this question of RAND terms or  
15 licensing terms by really requiring a commitment to open  
16 or royalty-free licenses. And I'm wondering if anybody  
17 has any comments about that as a fix to this problem. I  
18 know it's one that we have explored, but is that  
19 something that we should be thinking about as we're  
20 throwing the rest of these issues into the mix?

21 MR. FARRELL: Well, I think that raises the  
22 technology monopsony concern much more sharply than ex  
23 ante negotiation, for example, would. I also think that  
24 the way these things are often structured, they're as  
25 duties on member participants. And to the extent that

1 that might create an incentive not to join, it seems like  
2 that could be a real concern.

3 Now, again, coming back to Carl's observation,  
4 nobody, I take it, is suggesting that that be a required  
5 rule for all SDOs. So, if an SDO is very worried about  
6 non-participation, it might choose not to adopt a policy  
7 like that. So, to some extent, that's self-regulating.  
8 But I don't think we've really thought through the extent  
9 to which that's true.

10 MR. KATTAN: Let me disagree with Joe because I  
11 think he's beginning from a faulty factual premise. The  
12 way that the organizations that provide for royalty-free  
13 licensing work is not by requiring members to commit up  
14 front to royalty-free licensing. It is rather by  
15 agreeing that there will be a license, which will be  
16 royalty-free. If you want to take advantage of the  
17 license and get a royalty-free license from all the other  
18 members who agree to sign that license, then you have to  
19 agree to give them a reciprocal license. So, it doesn't  
20 create a monopsony problem, it gives you a choice. What  
21 is more valuable to me? Getting a royalty-free license  
22 from everybody else or paying everybody else the  
23 royalties that they may ask for and at the same time  
24 charging royalties for my patents. So, it's  
25 fundamentally different from the kind of hold-up that I

1 think Joe is talking about.

2 MR. THOMPSON: I would have to strongly  
3 disagree. There are some organizations that operate that  
4 way. The vast majority of them do not operate that way,  
5 that are royalty-free. It is a commitment the day you  
6 sign that thing that any patents you have will be  
7 royalty-free. In some cases it goes so far as to give a  
8 third party the right to license your patents for you,  
9 and that's a particular problem.

10 In my corporation, we have certain policies and  
11 procedures and that kind of group requires very, very  
12 high level signatures within the management chain. I see  
13 those. I've got one on my desk right now I'm writing the  
14 routing memo for. So, it is not just the ones that say,  
15 gee, if you want to participate and enjoy the fruits of  
16 this at the end of the day, then you need to grant the  
17 license. Most of the ones I see start from the very  
18 beginning.

19 MS. LEVINE: Joe --

20 MR. SHAPIRO: I don't understand the  
21 difference. If everybody says they'll be royalty-free,  
22 then it's reciprocal anyhow. So, it just seems -- I'm  
23 not sure where we're going here. Plus by the way, Joe,  
24 if I think I've got really cool stuff and you guys don't  
25 have much, it's still a big concession, perhaps, to say

1 I'll offer my royalty for your piece of whatever, may  
2 not appeal to me much. So, it's not symmetric,  
3 necessarily, if we start with different technology  
4 positions.

5 MR. KATTAN: But if you think that your  
6 technology position is better than that of everybody else  
7 and the value of what you're getting in return from  
8 everybody else is not as great as what you've got to  
9 offer, you don't sign. It's not an agreement that says  
10 you must license your IP on royalty-free terms. It just  
11 says, if you want to get a royalty-free license from  
12 everybody else, you've got to cross-license them on  
13 reciprocal terms.

14 MR. SHAPIRO: I guess it would be helpful if  
15 you could participate without signing. That's a  
16 question, whether you can't even participate, then you've  
17 got a stronger situation where even to come to the table,  
18 you have to give up any claims. That gets more into the  
19 -- that's the area where, I think, as Joe said, you might  
20 really worry about monopsony power.

21 MR. FARRELL: Well, I think that was the ETSI  
22 story and I think I hear Earle saying that's not  
23 uncommon.

24 MR. THOMPSON: That is not uncommon in the  
25 industry. There are frequently -- even if you want to

1 just hear what's going on, you have to agree that it will  
2 be a royalty-free license.

3 MR. KATTAN: So --

4 MR. THOMPSON: Where you really get a problem  
5 is in the -- sometimes what you will see being set up is  
6 that that is, for all practical purposes, the buyer of  
7 the technology, who may actually have developed something  
8 there, but they are the ultimate buyer, it's setting up a  
9 consortia or whatever, and if you want to participate in  
10 this in order to sell to this buyer, you are agreeing  
11 that it's going to be a royalty-free. That lowers the  
12 buyer's costs significantly.

13 Now, what does it do as far as whether or not  
14 you participate in it? You have to make a decision at  
15 that point, are you going to want that business and is  
16 giving up your IP worth it? In some cases, the answer  
17 will be yes. It's a business call. But that situation  
18 does very much exist.

19 MR. PETERSON: So, I think that this idea of  
20 royalty-free licensing is, in fact, implemented in a lot  
21 of different ways, as is illustrated here.

22 MS. GALBREATH: I think so.

23 MR. PETERSON: And that's my experience, that  
24 it actually is implemented in a variety of different  
25 ways. I don't think it is a solution to anything in

1 particular. There is the concept of we would like maybe  
2 to have free licenses here as something that might become  
3 implemented in some kind of a larger plan or policy. It  
4 can be implemented in a variety of different ways. Its  
5 utility, I think, varies quite radically from technology  
6 or type of standard to another.

7 So, I think there are some for which the  
8 likelihood that there is an essential patent that you --  
9 or a patent to which the standard really would need to  
10 have a license for some reason, there's some standards  
11 for which that's a much lower probability than others,  
12 and for some, where this patent landscape is loosely  
13 populated, shall we say, in the sense of likelihood of  
14 patents that you're really going to need to be essential,  
15 you have a higher -- that would be one indication that  
16 maybe there's a higher probability that you should strive  
17 for something that is actually RF because in a sense what  
18 you're doing is you're trying to look possibly for the  
19 unpatented solution or if there are patented solutions,  
20 if it turns out that there are unpatented alternatives,  
21 it may be that the proponent of that may be just as happy  
22 to grant a free license.

23 So, I think there are some patent situations,  
24 there are some kinds of technologies where it plays a  
25 very useful role and people focus on it, and yet, there

1 are others where that makes no sense at all. You truly  
2 want to compensate the patent holders and foster  
3 innovation in that way, but it depends on the technology  
4 as to the role that it plays in the standard.

5 MS. GALBREATH: We are closely approaching what  
6 will be the end of our time, and so I'd like to focus us  
7 back to a couple of issues as we end the morning. One of  
8 those has to do with the question of whether ex ante  
9 discussion would really chill innovation. We've touched  
10 on that and I'm wondering, given the range of opinion  
11 here, if the antitrust agencies were to give some kind of  
12 guidance in some form or another and ex ante licensing  
13 terms were more actively discussed, would that chill  
14 participation in standard setting organizations or chill  
15 innovation by people who might otherwise give their  
16 technology over to a standard?

17 So, if we could go there. And then after that,  
18 we should really proceed to the question of reasonable  
19 and non-discriminatory and spend a little bit of time  
20 there before we end the morning.

21 MR. FARRELL: A quick attempt at an answer to  
22 your question, Carolyn. So, Earle's view is that ex ante  
23 negotiations are pretty much meaningless because there's  
24 no way to make a commitment. I assume that sometimes,  
25 maybe often is true. But in those cases, of course, it



1 doesn't really matter what rule you have because if you  
2 have a rule that says they're forbidden, it has the same  
3 consequences as if you have a rule that says they're  
4 allowed, if they are meaningless.

5 So, we've got to focus on the cases where it  
6 does mean something. It seems to me then, in terms of  
7 the framework that Scott laid out in his written  
8 submission and that Carl and I have talked about, and  
9 others have talked about, ex ante makes good sense  
10 provided -- and now this is sort of using the stripped  
11 down economic theory of the situation -- provided that  
12 the standards body doesn't take an aggressive negotiating  
13 position, but rather says, let's ex ante compare the  
14 terms that are being offered by the different technology  
15 proponents and we'll choose the best one. That way, the  
16 technology proponent with the best technology can get to  
17 choose a RAND corresponding to its technological  
18 advantage which is, broadly speaking, the right reward  
19 for that innovation.

20 Now, whether there's a good way to implement  
21 that in practical terms without allowing too much -- and  
22 maybe it's not an issue but maybe it is an issue --  
23 without allowing too much of the, well, we're the  
24 standards body, we have the power, we'll give you a  
25 dollar for your patented technology. It seems to me

1           that's the core issue.

2                         And then a much deeper question, which has been  
3           raised several times, I raised a few minutes ago, again,  
4           what's the real interplay between ex ante versus ex post  
5           and the coordinated versus bilateral discussions? I  
6           think that one is really a hard question scientifically,  
7           as well as policy-wise.

8                         MR. KATTAN: It seems to me that if you allow  
9           ex ante discussions, the market is pretty much going to  
10          decide whether that's an efficient solution or not, in  
11          that if it is an efficient solution people will use it  
12          and those who feel that they're not getting sufficient  
13          value for their IP will make what Earle said was a  
14          business decision whether or not to participate.

15                        Obviously, if companies choose not to  
16          participate, standard setting organizations will not make  
17          use of the freedom that they are given because they will  
18          see that it's causing key players to avoid participation  
19          in the process and actually creating a situation which  
20          there's less information rather than more information.  
21          To the extent that it delays their deliberations because  
22          people get hung up talking about price rather than  
23          technology, again, the organizations will have to make a  
24          choice, is this the path in which we want to go?

25                        So, I think if you allow people to do what, I

1 think, many around this table agree is desirable, the  
2 market will pretty much decide whether that's an  
3 efficient solution. And it may not be a one-size fits  
4 all solution, it may be a solution that works for some  
5 standard setting, it doesn't work for others. My gut  
6 feeling is that in the overwhelming of cases, the SSOs  
7 will choose not to make use of the freedom that they're  
8 given if you lift the antitrust restrictions. But to the  
9 extent that some do and it results in negotiated  
10 royalties, I think that's all for the good.

11 MS. GALBREATH: Certainly, from the rule of  
12 reason perspective we look for innovation enhancement or  
13 some kind of efficiencies that are passed on to  
14 consumers, and so, those obviously would be things that  
15 we would be interested in hearing more about as we go on  
16 and finish up the morning.

17 We should turn now to what reasonable and non-  
18 discriminatory means. We've had a little bit of a  
19 preface to that and I'd like to go back there for a few  
20 minutes. In particular, I noted that in the recent  
21 Microsoft decision that we, at least, had one or two  
22 lines from the judge who indicated that reasonableness is  
23 an objective standard, a quotation from a Supreme Court  
24 case from 1992.

25 I'm wondering if that is the case or if that's

1 the consensus around this table, that reasonableness is  
2 an objective standard, and if it is, what would be the  
3 indicia of reasonableness if we're looking at RAND? And  
4 then going to the flipside of that, what does non-  
5 discriminatory mean?

6 MR. SHAPIRO: Well, far be it from me to  
7 overturn the Supreme Court, but come on. Would you agree  
8 to buy a house and we'll figure out the reasonable terms  
9 later after we move in? I mean, it just doesn't work,  
10 okay?

11 Now, it may work because of reputation or it  
12 may work because in some cases there are a lot of close  
13 examples that give a clear benchmark, but it's -- I don't  
14 know what objective means. I mean, to the economist,  
15 it's just asking for trouble, I guess, put it that way.

16 Now, again, I'm hearing -- you know, there's  
17 some, I guess, lack of -- we're not sure how often this  
18 is really a problem. We've heard that there's not a lot  
19 of big complaints. We know there are some number of  
20 cases where it really gets litigated and it's a big  
21 dispute. I know that from personal experience. Other  
22 people do, too. But, you know, lawyers may like the term  
23 "reasonable," but I think economists less so.

24 Non-discriminatory -- I mean, I mentioned this  
25 earlier, maybe I'll slightly repeat myself. You know,

1 it's really not clear what that means. That's something  
2 we're more familiar with in terms of, you know, price  
3 discrimination and, you know, I've seen situations where  
4 the small companies, the small licensees or producers  
5 will say, well, you know, it's really discriminatory that  
6 everybody pays the same fixed fee because I don't spread  
7 that out over very many units. Of course, the big guys  
8 say, well, it's really discriminatory I have to pay more  
9 in total because it's per unit. So, what do we mean  
10 there?

11 Again, grantbacks -- and this does not just  
12 come up in standard setting. It was discriminatory to  
13 ask everybody to give some sort of cross-license for  
14 stuff that reads on the standard when some people have a  
15 lot of IP, other people don't.

16 I'm not going to give you some definition.  
17 There are economic definitions of discrimination. My  
18 point is simpler, which is, these terms don't have enough  
19 precision unless we either -- specific standard setting  
20 bodies define them. I don't think we should be defining  
21 them uniformly for all standard setting organizations.  
22 But, we should allow them to do so themselves so they're  
23 meaningful in a context that works within the companies  
24 and technologies with which they deal.

25 MR. VISHNY: Well, I'm burdened by the fact

1       that I'm a lawyer. But, you know, when something like  
2       the U.N. convention and the International Sale of Goods  
3       or other codes say that if two parties to a transaction  
4       fail to set a price, it should be a reasonable price, and  
5       the world manages to live with that. Not only judges,  
6       but business people manage to live with that. They know  
7       there is potential for conflict, but they manage to live  
8       with it.

9                Is it therefore necessary to define it with  
10       precision? I think not. I think there is good policy  
11       behind the acceptance of the word "reasonable" in certain  
12       settings. And I can understand why an economist would  
13       have difficulty with it. It lacks a certain precision  
14       clearly. But it's used and it's used by reference to  
15       community standards, to standards in an industry, to the  
16       going rate, if you will, to how something is traded at a  
17       particular time on the market. But it can ultimately be  
18       defined.

19               Do I think an agency should define it? I  
20       really think not because I think what is reasonable and  
21       what is not reasonable will vary in many cases in many  
22       different ways.

23               MR. SHAPIRO: I agree with that.

24               MR. VISHNY: Good.

25               MR. SHAPIRO: We have an agreement on the

1 panel?

2 MR. VISHNY: I understand the difficulty.

3 MR. PETERSON: The example that you gave,  
4 though, about the use of reasonableness, that's an  
5 exception case. That's applying this loose term in the  
6 case of exceptions. Here, we're talking about  
7 reasonableness as being the way that business is done and  
8 I think that that's quite different.

9 MR. VISHNY: I think it's not more exceptional  
10 than the way business is done because we've had as little  
11 trouble with it in the standard setting arena than we  
12 have in other commercial transactions.

13 MR. FARRELL: But aren't we talking here not  
14 about whether reasonable sometimes work, but about  
15 whether it would be okay for a set of parties to a  
16 transaction to define things more precisely? And if you  
17 look at the world of ordinary commerce, sometimes people  
18 will leave prices undefined, but very often they will  
19 nail down exactly what the price is. I think we're  
20 talking here about whether it's okay for people in this  
21 context to do that, not about whether reasonable ever  
22 works.

23 MR. VISHNY: I don't think I would want to say  
24 that it's never okay for people to sit down and do that.  
25 I don't even believe that that's the issue. I think I

1 would support, in our context, in the standard setting  
2 with which I'm familiar, I would strongly support the  
3 rule that we have because anything else is so highly  
4 unworkable and impractical in that setting. I can't  
5 speak for others.

6 MR. KATTAN: You know, to my knowledge, there  
7 have been only two cases in which a company has sued  
8 somebody and said, you promised to license me under  
9 reasonable and non-discriminatory terms and your terms  
10 are unreasonable. There could be two possibilities here,  
11 maybe more than two, but then I'm not sure which they  
12 are.

13 One is that the term "reasonable" works  
14 reasonably well and that's why people haven't taken a  
15 shot at suing somebody, or at least asserting it as a  
16 defense, you know, an estoppel defense.

17 The other possibility is that the term is just  
18 so amorphous and has such wide latitude that people say  
19 it's not worth my time. And I'm not sure which it is,  
20 but the paucity of lawsuits that have been brought,  
21 particularly given that one of them was quite successful,  
22 suggests to me that maybe the problem is not as pervasive  
23 as one might think.

24 MR. THOMPSON: I have to agree with that, also.  
25 I don't think the problem is very pervasive. If a



1 royalty, at some point, is not considered reasonable by a  
2 company, they make a choice at that point, you know, from  
3 a practical standpoint. They decide, okay, I won't be in  
4 this business or I will pay the price today and find some  
5 way of getting it down in the future or changing the  
6 standard, and that happens a fair bit. You find  
7 standards come and go over time for a variety of reasons,  
8 not necessarily because it's better but because the cost  
9 of implementing it because of the royalty may have been  
10 higher. That's where a lot of these special interest  
11 groups that Joe has talked about come from.

12 You have competing things right now. For your  
13 wireless laptops, you know, there's about four or five  
14 different competing standards. Each one of those would  
15 work. Which one will win in the end? I don't know. But  
16 some of that is based on the royalty rate, some of it's  
17 based on the implementations.

18 I don't really think that, you know, while RAND  
19 is a very uncomfortable sound in many respects, in  
20 practice, it hasn't worked out to be that big a problem.

21 MS. GALBREATH: Before we finish what I'd like  
22 to do is turn it over to the panel and if they have any  
23 questions of one another, it would be a good time to get  
24 those questions out, and I guess lacking that, what we  
25 would like to do is go around and give each of our

1 panelists an opportunity just to sum up what they feel  
2 have been the most important and salient points of the  
3 morning.

4 MR. KATTAN: Let me just raise one question  
5 because I see Danny Weitzner in the room. His  
6 organization has a policy, as I understand it, that says  
7 we're not going to incorporate anything that's patented  
8 into a standard, and that's, in a sense, a policy that  
9 says we're not going to pay anything for a technology  
10 even if that technology has merit. I think that people  
11 are generally comfortable that that policy, which if I  
12 wanted to use pejorative antitrust terms I could come up  
13 with terms like "boycott" and whatever, it's a reasonable  
14 one.

15 And I've never heard a suggestion that that  
16 kind of policy -- if we're going to try to go for the  
17 lowest cost alternative, which means we're not going to  
18 take anything which is patented, is a reasonable one.

19 MR. FARRELL: What was -- I think the ASSE case  
20 said that wasn't reasonable.

21 MR. KATTAN: Well, no. What the ASSE cases  
22 basically said is that if you have a policy that doesn't  
23 enable somebody to comply with a standard because -- the  
24 ASSE case was an exclusion case rather than a collusion  
25 case. It was not a compatibility standard. Somebody

1 said, I want my product to be certified as safe, and the  
2 ASSE said, we're sorry, you have a patent on it, we're  
3 not going to certify it. That was exclusion, not  
4 collusion.

5 MR. VISHNY: But it's still an antitrust  
6 concern, the exclusion, or can be.

7 MR. KATTAN: Yes. But the context of those  
8 organizations that say we are trying to adopt  
9 compatibility standards, which is really what we've been  
10 talking about today rather than safety standards that do  
11 not require us to pay any royalties. So, if anybody's  
12 got a patent, we're not interested unless we can have it  
13 for free. Is that a problem? I don't think anybody --  
14 well, I guess I'll pose it as a question. Does anybody  
15 think that's a problem? I don't, and if that's not a  
16 problem, then why is it that discussing the terms under  
17 which you would license becomes a problem?

18 MR. WEITZNER: Could I, just for the record,  
19 say we are considering such a policy. We have not yet  
20 finally adopted such a policy. But thank you for raising  
21 the question.

22 MS. LEVINE: For the record, that speaker was  
23 Danny Weitzner of the W3C.

24 MS. GALBREATH: Do any of our panelists have  
25 anything more to say about that?

1 (No response.)

2 MS. GALBREATH: Then, perhaps, Scott, if you  
3 would like to begin summing up and we'll just let people  
4 go in whatever order they wish.

5 MR. PETERSON: I just have one, not really a  
6 sum-up, but sort of one point to make, and that is we've  
7 struggled a little over what's reasonable, what would be  
8 discriminatory and so forth, and also, what's the  
9 likelihood that there will actually be pass-throughs to  
10 customers, what's the likelihood that there will be some  
11 collusive effect that will result in agreement on larger  
12 fees that ultimately get passed through.

13 In my view, the best way to attack all of these  
14 nettlesome problems is to have broader participation in  
15 the group that is looking at and considering and involved  
16 in these licensing negotiations or whatever the process  
17 is. The broader participation will likely shed light on  
18 what is or isn't discriminatory because you will have  
19 those people potentially at the table raising the  
20 concerns about whether, in this context, that kind of an  
21 arrangement is going to have a terrible effect on some  
22 particular participant.

23 The pass-through -- we were talking earlier  
24 about the difference between perhaps the established  
25 players and those who may be new entrants or sitting out

1 on the fringe, and those are the ones whose participation  
2 can work to cause the collective result to be a better  
3 one than might otherwise have been. So, exposure to this  
4 broader audience, shedding light on it in a collective  
5 sense rather than having it go on in a more ad hoc  
6 fashion, I think, has benefits for a number of the  
7 different troublesome issues that we've been talking  
8 about.

9 MR. SHAPIRO: I guess I do come out after our  
10 discussion this morning really continuing to believe  
11 strongly that it's desirable to kind of shed sunlight on  
12 these processes and let people know what they're getting  
13 into when they're picking a technology so they can manage  
14 their costs, which we know is important, not to impose  
15 any rules on particular standard setting organizations,  
16 but to give them the latitude and variety. Various forms  
17 will arise and, hopefully, the agencies can do something,  
18 again, to remove that antitrust chill.

19 Now, how big a problem is it? I mean, that's  
20 been lurking here all along. I guess my view is I don't  
21 really know. I mean, I hear people who are very  
22 experienced saying it's not a real common problem. It  
23 clearly comes up sometimes. I don't see any reason not  
24 to clarify things so we can avoid whatever the number of  
25 cases are where people have been deterred or chilled from

1 talking about these things and problems have arisen.

2 I guess in that sense, I would draw a parallel  
3 to the discussion 10, 15 years ago about cooperative  
4 research ventures, and there was this long discussion,  
5 gee, are the antitrust laws preventing people from  
6 getting together and doing cooperative R&D, and some  
7 people said it wasn't a problem, other people said it was  
8 a problem and per se, and legislation was passed and I  
9 don't know that it made a big difference, but it seemed  
10 to me it helped because to the extent people were worried  
11 about it unnecessarily, those concerns were alleviated.  
12 And we could do something similar here to let people have  
13 these discussions if they choose to do so.

14 MR. THOMPSON: Going back to basically the last  
15 question which was, you know, is there a chilling effect  
16 by having this. Probably the answer is, at the moment,  
17 would be no. If you were allowing ex ante discussions,  
18 is there a chilling effect on it? Maybe not. But by the  
19 same token, there may be. And the reason why there may  
20 be is that, you know, from a corporate standpoint, I'm  
21 not wanting to have my engineers going in there.

22 Now, as Carl had said, well, it's your choice,  
23 you either make the decision you can go do that or not,  
24 well, very quickly, it then becomes, well, we're not even  
25 going to let you in the committee until you tell us

1 everything that's going on and you get sort of an  
2 inherent peer pressure there where all of a sudden,  
3 whether you like it or not, you're going to find out that  
4 your people are there and you're going to have to do that  
5 or you're not going to play in the business at all. That  
6 is what bothers me.

7 At some point, you know, it's either going to  
8 add to my cost, which, by the way, gets passed on to the  
9 consumer at some point, or it's going to be we don't  
10 participate in certain groups. To me, it's a major  
11 longer term concern and I'm not sure if the thing that  
12 we're trying to fix, which doesn't seem to be a real  
13 problem, is worth presenting another problem down the  
14 road.

15 MR. VISHNY: I'm grateful for the opportunity  
16 by way of being able to come here and exchange views. I,  
17 myself, have learned a lot and it's important to learn  
18 where you differ, obviously, and why.

19 I think from our standpoint -- you know,  
20 there's the old joke that -- it's not a joke, that if it  
21 ain't broke, don't fix it. I don't accept that because  
22 obviously something not broken can be improved upon,  
23 whether or not it needs fixing. I don't see that  
24 allowing ex ante discussions in the context of our  
25 standards development groups will improve anything or fix

1 anything.

2 I think the process works, it works well, it  
3 works as efficiently as human beings can work. I  
4 acknowledge that we have delays. I don't think the  
5 delays, in general, are related to the problem we've been  
6 discussing at all. Unfortunately, they're there, but not  
7 because of this.

8 Also, I would not be in favor of a statement  
9 that any discussion is automatically a violation of the  
10 antitrust rule and exposes you to risk. I don't think  
11 that's necessarily true, but I wouldn't be willing, in  
12 advance, to lay down the precise circumstances under  
13 which it would and would not. I think that's a call  
14 that's exceedingly difficult and one which the judges  
15 might not accept some day, and after all, they will have  
16 the final say.

17 MR. KATTAN: I think it's important to  
18 emphasize a point that Carl made earlier, which is we're  
19 not talking about imposing anything on standard setting  
20 organizations. What we're talking about is giving them  
21 freedom to make a decision as to whether to allow  
22 discussions of licensing terms. Some undoubtedly will  
23 decide not to. Others might decide to do that and if  
24 they see people like Earle walking out, decide that  
25 that's too high a cost to pay, I think the market is



1 going to sort that out.

2 Now, the point that Paul made about judges, I  
3 think, is an important one because it really speaks to  
4 how big a difference you can make. I would certainly  
5 agree with Carl that the rule that you ought to  
6 articulate is one that says rule of reason with some kind  
7 of presumption that ex ante discussions are legitimate  
8 and pro-competitive. Whether that makes a difference, I  
9 don't know.

10 Scott's company was involved in a case that was  
11 a rule of reason case, Addamax v. Open Software  
12 Foundation, that case lasted --

13 MR. PETERSON: Multiple times.

14 MR. KATTAN: And that case lasted how many  
15 years, Scott? Five or six years, and the cost of --

16 MR. PETERSON: The residue goes on to this day.

17 MR. KATTAN: So, the fear of being embroiled  
18 even in a rule of reason case, I think, is there.  
19 Certainly those companies that don't want to have the  
20 discussions take place, for whatever reason, maybe they  
21 are more -- their IP halves who would like to collect  
22 more royalties, are going to play into that fear.

23 So, you can make a difference, I'm just not  
24 sure how big a difference you can make.

25 MS. GALBREATH: Joe?

1                   MR. FARRELL: Well, I think I've actually made  
2 my main points in the course of our discussion. I mean,  
3 I think analytically we need to distinguish carefully,  
4 perhaps more carefully than we always have, between ex  
5 ante versus ex post and bilateral versus multilateral  
6 discussions, and the role of RAND in that as imposing  
7 some, perhaps, nebulous degree of uniformity, which I  
8 take to be somewhat akin to multilateral or joint  
9 negotiations, is a bit of a mystery. What will happen if  
10 you allow or have primarily ex ante but primarily  
11 bilateral discussions? Perhaps we already have that.

12                   One would expect to find some parties have very  
13 advantageous deals and other parties having less  
14 advantageous deals. Is that a good outcome, is that a  
15 bad outcome? I think that's going to depend on some  
16 features of the market that may be difficult to see.

17                   And this pass-through issue strikes me as  
18 perhaps a pretty big one or sometimes probably a pretty  
19 big one which says that the participants, the direct  
20 technology buyers, may not actually be functioning very  
21 well as agents for the end user. Obviously, one can  
22 overstate that. I entirely take Joe's point that if  
23 there are some people with royalty-free cross-licenses,  
24 then that point gets a lot weaker.

25                   So, it seems to me those are the main things

1 that come out. I can also offer to finish it up on a  
2 lighter note, if you'd like that. But people should  
3 probably say their serious things first.

4 MS. GALBREATH: Well, I will just say thank you  
5 to all the panelists this morning for taking the time in  
6 coming and I will let you have the last word.

7 MR. FARRELL: Okay. Well, we've been  
8 talking -- I've noticed that nobody has used the term,  
9 but I think at some level we've been talking about  
10 submarine patents and the like, and there's actually a  
11 dispute which is perhaps illuminated by thinking about  
12 the word "submarine." Those of you who know me well know  
13 that I enjoy messing around with words. So, I'd like to  
14 just take a minute to take a look at the word "submarine"  
15 in a slightly unusual way.

16 Now, if you look at the word "submarine" it's  
17 obvious that the last three letters are just kind of a  
18 suffix, so I think we can dispense with those. Now, what  
19 are we left with? We're left with this rather strange-  
20 looking word "submar" and sometimes in this kind of  
21 endeavor when you can't make a lot of sense out of  
22 something, it helps to look at it the other way around.  
23 So, let's look at it the other way around.

24 **(Laughter.)**

25 MR. FARRELL: Coincidence? I think so.

1                   **(Laughter.)**

2                   MS. GALBREATH: Thank you all very much for  
3 coming and participating with us this morning, and join  
4 us again this afternoon at 2:00, please.

5                   **(Whereupon, at 11:46 a.m., the morning session**  
6 **was concluded.)**

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**AFTERNOON SESSION****(2:00 p.m.)**

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2  
3 MR. SCHEFFMAN: Welcome. This is the final  
4 session of the FTC-DOJ hearings on Competition and  
5 Intellectual Property Law and Policy in a Knowledge-Based  
6 Economy. I'm David Scheffman from the Bureau of  
7 Economics. I'm joined by Frances Marshall from DOJ, Gail  
8 Levine and Sarah Mathias from the FTC Office of General  
9 Counsel.

10 Let me say, since I've done no work at all in  
11 these hearings other than appear in this thing, the  
12 people who did this at the FTC and DOJ really deserve a  
13 tremendous amount of credit. This is probably the most  
14 important set of hearings that have ever occurred on this  
15 topic that are available, as they are transcribed, on the  
16 web page. It's greatly contributed to learning, in  
17 general, and to those of us enforcers and practitioners.

18 So, this is the end of a process that began  
19 nine months ago. There, of course, will be a report  
20 sometime next year which will be a lot of work, again, by  
21 these people to put together and synthesize what we've  
22 learned from the hearings.

23 For today's panelists, I want to compliment,  
24 also, the panelists today and all the other panelists  
25 that have contributed to these hearings, which obviously

1 have been the critical sub-stand of input. There are  
2 biographies available for the people. I'm sure the  
3 audience knows all the people, but I'll give them a short  
4 bio.

5 Michelle Burtis is a Director with the  
6 consulting company, LECG, and the firm's Practice  
7 Director for Mergers and Acquisitions. Her practices  
8 include consulting and litigation experience in antitrust  
9 and intellectual property issues.

10 Joe Farrell, of course, is Professor of  
11 Economics at UC, Berkeley. He's also Chair of the  
12 Competition Policy Center and Affiliate Professor of  
13 Business. Of course, Joe was one of the many alumni of  
14 the DOJ and FTC here as former Deputy Assistant Attorney  
15 General for DOJ.

16 Jeffery Fromm has practiced as an IP attorney  
17 for over 20 years with a focus on computing and imaging  
18 technologies over the last several years. In August of  
19 this year, he retired from H-P and is now in private  
20 practice. Jeff has a long-running involvement with  
21 intellectual property issues that arise in open systems  
22 and consortia, clearly a very important issue for the  
23 discussion today, and frequently advises on strategic  
24 alliances, acquisitions and spin-offs.

25 Mike McFalls is an associate at Jones, Day,

1 where he focuses on antitrust issues, on merger and non-  
2 merger matters, and biotech, pharmaceuticals,  
3 diagnostics, defense, consumer products, and other  
4 matters. Mike is an alum of the FTC where he was in the  
5 Office of Policy Planning in 1997 to 2000 and also was an  
6 Attorney Advisory to FTC Chairman Bob Pitofsky.

7 Barbara McGarey serves as Chief Counsel to the  
8 NIH, the National Institutes of Health. Barbara has  
9 extensive legal expertise on the funding and regulation  
10 of the biomedical research enterprise, having served as  
11 General Counsel to the NIH Foundation, Deputy Director of  
12 the NIH Office of Technology Transfer, and as a litigator  
13 with the Department of Justice representing the U.S. Food  
14 and Drug Administration.

15 Janusz Ordovery, of course, is Professor of  
16 Economics and former Director of the Masters in Economics  
17 Program at NYU. Janusz is yet another alum former Deputy  
18 Assistant Attorney General for Economics in the Antitrust  
19 Division.

20 Rick Rule is a partner at Fried, Frank and head  
21 of the firm's antitrust practice. Rick's practice  
22 focuses on providing antitrust advice, structuring joint  
23 ventures, representing corporations before DOJ and FTC in  
24 the EU. Rick, of course, was Assistant Attorney General  
25 at the Department of Antitrust at the Department of

1 Justice.

2 Carl Shapiro is Transamerica Professor of  
3 Business Strategy at the Haas School of Business at UC,  
4 Berkeley, Senior Consultant to CRA, Charles River  
5 Associates. Carl, of course, was also a Deputy Assistant  
6 Attorney General for Economics for the Department of  
7 Justice.

8 The agenda in these final panels are to clarify  
9 some issues that have arisen earlier in the hearings.  
10 So, it will be questions asked by the people at the table  
11 here and interchange and discussion by the panelists. As  
12 a procedural matter, at least what we'll start -- see how  
13 well-behaved you are, but we'd encourage you to turn your  
14 -- we'd say tent, but turn your name thing on its end if  
15 you want to speak, and then we'll see whether that's  
16 really necessary or not.

17 We're going to discuss four general topics  
18 today, portfolio cross-licensing, grantbacks and non-  
19 assertion clauses, reach-through licensing agreements,  
20 and issues related to non-vertically integrated IP  
21 holders.

22 So, I'm going to start with some general  
23 questions about portfolio cross-licensing and I'm  
24 interested in this general issue on all the topics, which  
25 is, definitionally, what is it we're talking about, which



1 is not so ambiguous in portfolio cross-licensing, but is  
2 in some of these others, we'll see if we have agreement  
3 on what it is we're actually talking about  
4 definitionally, and then what is the business purpose of  
5 the practices we're talking about and what do we know  
6 about the usage of such practices.

7 So, starting out with portfolio cross-  
8 licensing, I put to the panel: what is the business  
9 purpose behind portfolio cross-licensing? In what sort  
10 of industries does this practice arise? Is this practice  
11 becoming more or less common? Does it occur between  
12 vertically integrated firms, between rivals? That's the  
13 questions I would put to the panel to start off talking  
14 about portfolio cross-licensing. So, who would like to  
15 begin addressing these general issues?

16 Carl, since you've written about these issues,  
17 do you want to start?

18 MR. SHAPIRO: Well, sure. First off, I think  
19 it's -- in part, I think there's a pretty clear consensus  
20 or understanding that portfolio cross-licenses are widely  
21 used in certain industries, semiconductors, perhaps,  
22 being the best example.

23 Just to define it and make sure we know what  
24 we're talking about then, you know, particularly between  
25 some of the large companies in that industry, whether

1       it's Texas Instruments or Hewlett-Packard or Intel or  
2       IBM, licenses that go both ways, include a large number  
3       of patents, maybe some carve-outs, maybe not, maybe some  
4       field of use restrictions or something, maybe not, but  
5       pretty broad, and typically apply not just to patents  
6       that have been issued but patents that will be issued  
7       through or applied for through a certain date. So, just  
8       in terms of getting on the table what we're talking  
9       about.

10                I mean, my view, I guess to maybe start the  
11       discussion is, you know, certainly if you're talking  
12       about cross-licensing patents that have already been  
13       applied for or issued on royalty-free terms, it's a  
14       wonderful thing from a competitive point of view. This  
15       kind of allows companies freedom to design their products  
16       and manufacture their products without royalty burdens in  
17       a marginal cost sense.

18                And so, it can lead to improved product quality  
19       and lower costs and less basically patent cloud and so  
20       forth. I think that's sort of unambiguous, very  
21       straightforward, including patents that haven't yet been  
22       issued for some period of time, potentially could raise  
23       some issues because you could say, well, if I do some R&D  
24       and I come up with this patent, I've got to license it to  
25       you, maybe my competitor. You might be worried that that

1 would reduce the incentives to innovate a bit because it  
2 would be shared.

3 I think, again, certainly in semiconductors,  
4 it's pretty clear that that's not been the effect, I  
5 would say. And that because of the lags in patenting,  
6 because of the patent thicket problems, the pro-  
7 competitive advantages of knowing that you have this sort  
8 of patent freedom, at least vis-a-vis a cross-licensing  
9 partner, outweigh any possible concerns about stifling or  
10 deterring innovation. Maybe other people don't agree  
11 with that, but that's my position anyhow. That's what I  
12 think I've observed.

13 So, at least before you get to royalty bearing  
14 issues, there's a lot to be said, in a pro-competitive  
15 sense, for these type of portfolio cross-licenses.

16 MR. SCHEFFMAN: Jeffery, I wonder with your  
17 experience working for a major high tech company whether  
18 you could share with us your perspective, the business  
19 perspective about cross-licensing and the pluses and  
20 minuses from a business perspective.

21 MR. FROMM: I certainly agree with Carl. I  
22 think, amongst major corporations, it's pervasive in  
23 certain industries, not just the integrated circuit  
24 business, but the computing business generally has a lot  
25 -- most companies participate in some sort of broad

1 portfolio cross-licensing. I think the business aspect  
2 is -- certainly, within many corporations, H-P being one,  
3 the number one criteria for getting patents is to provide  
4 design freedom. Because of the mutually assured  
5 destruction problem, in other words, evaluating other  
6 people's portfolios for the first time is an interesting  
7 exercise when you're looking at five or 10,000 patents.  
8 But that's typically what you find. In any group of five  
9 or 10,000 patents, I'm reasonably certain that I can find  
10 an infringing patent of mine of somebody else's product  
11 and vice versa.

12           Whether I can find 100 or 200 such things is  
13 also not difficult. So, I think in that context where  
14 you've got a business to run and the leverage isn't  
15 really in getting the patents but in providing a  
16 mechanism to -- a company like H-P is really in the  
17 business of selling products and competing in product  
18 sales, providing products to customers, and not  
19 necessarily in competing on technology, although  
20 technology -- I mean, it's a technology business, so  
21 it -- you know, it's certainly an aspect of it.

22           So, fighting over whether my patent is better  
23 than your patent is a lot less interesting to most  
24 business managers than fighting over whether my personal  
25 computer is better than your handheld personal computer.

1 And that's the business they're in.

2 So, I think it's imperative for the health of  
3 the industry that certain broad cross-licensing continue.  
4 Usually, there's not a problem. Like I say, as Carl  
5 said, most of them are forward going. Many of them are  
6 not. Some are, some aren't. Some industries participate  
7 in what we call capture periods, capture patents that  
8 will issue or capture patents that will be filed in the  
9 next three to five years. It's rare that they go further  
10 than that, mainly because economics change.

11 My experience, as far as carve-outs, is carve-  
12 outs are very common amongst many companies because there  
13 are a lot of them in multiple businesses. In general,  
14 the way those carve-outs kind of go is it's carve-outs  
15 for businesses that the other company is not in yet, but  
16 that they might want to get into so that the carve-out is  
17 designed so that it doesn't enable the other company to  
18 use your patents against you in a business that you are  
19 already in and they are not in. That's kind of how the  
20 carve-outs typically are arranged.

21 So, usually the carve-outs don't attack the  
22 core businesses where they're competitors. So, if H-P  
23 and IBM, for example, were to be interested, they  
24 certainly wouldn't carve out -- personal computers  
25 wouldn't be a carve-out because that would be senseless.

1 Why would you do such a thing because ultimately both  
2 companies are in the PC business? But usually the carve-  
3 outs are fairly broad field of use carve-outs with the  
4 idea that you still have some patent power that you can  
5 exercise against the other party if they decide to go  
6 into a business that you're in and they're not in.

7 Usually, it's pretty balanced. Sometimes  
8 there's balancing payments. Usually the balancing  
9 payments tend to be just cash, frequently one-time  
10 payments of cash, sometimes significant amounts of cash.  
11 Once again, ongoing royalties on broad cross-licenses, I  
12 guess I've never seen one of those. I guess they  
13 probably do have them, but it's usually someone will do  
14 an analysis that my portfolio is bigger than your  
15 portfolio today and you owe me X million dollars. And  
16 time will pass, it will be four years from now and the  
17 capture period will expire and then they get to  
18 renegotiate.

19 But the objective during that four-year period  
20 was to prevent any continuing litigation over the patent  
21 portfolios during that period so people would be able to  
22 design products and ship them without the threat of  
23 injunctions primarily.

24 MR. SCHEFFMAN: Thanks, Jeffery. Joe, do you  
25 have a comment?

1                   MR. FARRELL: Yeah. Well, let me try to be a  
2 little provocative here. I'd like to suggest that maybe  
3 we can view a forward-going portfolio cross-license  
4 partly in the light of a private intellectual property  
5 policy, that is to say two firms or a bunch of firms get  
6 together and decide that notwithstanding all the well-  
7 acknowledged advantages of intellectual property, it's  
8 actually more pain and inefficiency and trouble than it's  
9 worth. They'd rather have the design freedom than have  
10 the incremental incentive to innovate. They'd rather  
11 have the freedom from submarines and nasty surprises and  
12 marginal royalties than have the incremental incentive to  
13 innovate.

14                   First of all, I find this a helpful way of  
15 looking at broad forward-looking licensing practices that  
16 kind of developing a private intellectual property policy  
17 has between the parties. I think one can look at it as  
18 so often in either an optimistic or a pessimistic way.  
19 The optimistic way says in circumstances and in  
20 industries where those trade-offs suggest that maybe it's  
21 better to have a weaker intellectual property regime, lo  
22 and behold, the market works and people can negotiate  
23 their way to exactly that. You don't have to change the  
24 law, you don't have to have an industry-specific law or  
25 enforcement policy in the courts or anything. That's the

1 optimistic view.

2           The pessimistic view is, look, our intellectual  
3 property policy is so messed up, so dysfunctional that  
4 people actually go to the trouble of negotiating around  
5 it because you lose your design freedom, you have all  
6 kinds of trouble if you allow the default court-enforced  
7 intellectual property policy to govern what actually  
8 happens in the industry. And I think there's a certain  
9 amount of truth to both the optimistic view and the  
10 pessimistic view. To me, that's a way to frame the  
11 issues that helps provoke concern and maybe thought.

12           MS. MATHIAS: I have a question. We've talked  
13 about how beneficial portfolio cross-licensing is,  
14 typically in the semiconductor industry, but there are a  
15 wide variety of industries where patents are employed  
16 outside as semiconductors. What are some of the factors  
17 that we might want to consider where the portfolio cross-  
18 licensing and other industries, where there may not be  
19 quite as much overlapping, that we should look to and  
20 think about in our analysis?

21           MR. ORDOVER: Just to pick on what Joe said and  
22 maybe as an answer to the question that you posed, it  
23 strikes me that it's important to figure out what the  
24 objective here is. I think it's obvious that if you want  
25 to stimulate current product competition then cross-



1       licensing is an obviously very effective way to minimize  
2       some of the dangers for firms making sunk investments.  
3       In many industries, those are significant, and certainly  
4       for semiconductors, they're potentially huge.

5               I think that on the negative side there's the  
6       question of disincentives for future R&D. To me, the  
7       main question then really becomes as to the scope or the  
8       number of firms amongst which these cross-licenses have  
9       been exchanged. I mean, in Japan, which I studied long  
10      ago, it seemed that these cross-licenses for broad  
11      portfolio patents had a way of making it very hard for  
12      new firms to come in and overcome the patent thicket, a  
13      concept that Carl so beautifully described in his  
14      writings, because they had very little to negotiate.

15             The idea in Japan, at least when it still was a  
16      fearsome worldwide competitor as opposed to a pushover  
17      nowadays, it seems that the way it all worked was for the  
18      leading firms in the industry, whether they were  
19      semiconductor firms or automotive firms or whatnot, was  
20      to agglomerate huge portfolios which they were swapping  
21      with each other, but which they were unwilling to trade  
22      with the outside players.

23             So, from my perspective, the concern really  
24      would have to be whether or not these portfolios fence  
25      off would-be entrants while creating the design freedom

1 and innovative capabilities for the existing firms. That  
2 is, what is the effect on those firms actually trying to  
3 come into the industry? Are they going to be  
4 disadvantaged? Will they have something to counter  
5 balance the absence of their own portfolios, such as some  
6 other benefits, assets, complimentary assets that they  
7 can bring to the table?

8           What is the universe of firms that are engaged  
9 in cross-licensing relative to the potentially, perhaps  
10 unknowable, but significant universe of firms that could  
11 be challenging the primacy of the incumbents? And in  
12 some cases, that is the right kind of a question to ask  
13 from my perspective. I don't know whether semiconductors  
14 is one of them, but in, for example, software design for  
15 various types of televisions, that has become a concern  
16 to the players in these cross-licensing activities,  
17 whether compulsory or forced, who are really the only  
18 group of firms capable of innovating, going forward, and  
19 therefore, they were in a club and there is nobody else  
20 that could join.

21           So, I would really look at the question of the  
22 outside universe as can they come in, can they compete,  
23 what do they have to offer, can we predict that, or is it  
24 just too uncertain to the point of being really  
25 unknowable, and therefore, should not be factored into

1 the analysis of a particular set of arrangements?

2 MS. MATHIAS: Jeff?

3 MR. FROMM: I think we actually can predict it  
4 and I think we have experience with what actually happens  
5 and I think it's maybe useful to talk about people who  
6 are newcomers who don't have the portfolios. I think for  
7 two reasons, the actual effect today is what happens when  
8 a newcomer comes in -- well, first of all, let me say  
9 that I know of very few companies that wouldn't license  
10 their patents, at least amongst American companies.  
11 That's not to say that there aren't some patents or some  
12 key technologies, especially in the chemical industry  
13 where there's one patent on one drug. That's a different  
14 kind of a universe.

15 But, I think, in general, in many other  
16 industries, for example, in the computing business, in  
17 the IC business, the willingness to license anybody for  
18 the right price is pervasive, mainly because people can't  
19 afford to walk away from the cash.

20 So, I guess I think we've seen -- competition  
21 has gotten so strong that people have such a desire to  
22 get more cash to fund their next generation products with  
23 R&D that I think that we do know what will happen if Joe  
24 Doe, who has no patents, wants to come to Hewlett-Packard  
25 and license a patent. H-P will license it to them. They

1       may not like the rate because they want something for  
2       nothing, and that's always an interesting discussion.  
3       But, very rarely would it be cases, such as the ones you  
4       discussed in Japan, where a group of large corporations  
5       would just refuse to license newcomers. That's been my  
6       experience.

7                 Now, as far as the disincentive, I think that  
8       actually turns out to be -- patent broad cross-licensing  
9       tends to be an incentive because what it does -- to  
10      future R&D because it's the small companies that have to  
11      be -- I think big companies, let's assume they're  
12      spending 7 to 10 percent of their gross for R&D. What  
13      they have to protect themselves against is somebody  
14      coming along and not spending anything towards R&D. So,  
15      they want to be sure that the small company that is just  
16      starting in the industry is spending its 7 to 10 percent  
17      and getting its few patents. So, although you're a  
18      company like H-P, you may have 20,000 patents. A small  
19      company with only one or two patents is just as dangerous  
20      just because of the way the patent system functions.

21                So, I think the way this actually works is  
22      because of the potential for the cashflows to work back  
23      and forth that encourages small companies to get their  
24      own patents and do their own R&D investment. That's been  
25      my experience. Usually there's one hit on a small

1 company. They take one hit for \$10 million and then they  
2 very quickly start finding their own patents on their own  
3 R&D. So, they only have to pay it once.

4 MS. MATHIAS: I have a quick follow-up question  
5 for Jeff and then we'll go to Joe. Do you ever see or  
6 had you ever seen exclusive cross-portfolio licensing  
7 going on? Was that --

8 MR. FROMM: I've never seen that. I've never  
9 seen any broad exclusive patent licensing. I just don't  
10 know of any companies that do that. Certainly, not in  
11 the IC businesses, not in the computing businesses.  
12 There's always -- there might be one or two patents even  
13 out of 10 or 20,000 that are exclusively licensed but I  
14 don't know of any broad exclusive licensing.

15 MS. MATHIAS: Joe?

16 MR. FARRELL: Well, coming back from Janusz's  
17 point, I mean, I think I agree with Janusz that one might  
18 worry about an insider's club of cross-licensing that is  
19 not open to new members. But I think it's worth pausing  
20 a moment to ask ourselves why we would worry about that.  
21 After all, the traditional IP analysis, I think, would  
22 say I have a patent that is, by assumption, broad enough  
23 to keep others out of the industry. I choose to license  
24 it to some but not all competitors. Presumably, that's  
25 not more restrictive than choosing to keep it completely

1 to myself. And so, why would we worry?

2 I think the answer to the question actually  
3 goes quite deeply to the foundations of this whole set of  
4 issues, and that is, it seems to me we worry not because  
5 this is a bad thing conditional on having a totally  
6 legitimate, in all senses, broad patent. I think we  
7 worry because it's a compromising of what we see as a  
8 desirable and necessary safety valve against over-issuing  
9 of patents. In other words, if you really thought that  
10 the insiders had done things that warranted giving them  
11 temporary monopoly on that IP -- I use the word  
12 "monopoly" not in the antitrust sense here -- then you  
13 wouldn't worry about that kind of thing.

14 The only reason you worry about it -- and I  
15 believe we'll come to this later -- that it's the same  
16 reason that perhaps we should worry about non-vertically  
17 integrated IP holders, is that those practices or those  
18 structures weaken -- I'm not sure this is the right  
19 metaphor -- weaken the safety valve. And so, I think you  
20 can't properly understand these concerns if you're  
21 thinking about the intellectual property as being, in all  
22 senses, valid and deserved. I think you have to  
23 incorporate in your thinking at least the possibility  
24 that this is bad IP before you can understand why or  
25 before you might start to think that there's a problem

1 with some of these things.

2 MS. MATHIAS: Carl?

3 MR. SHAPIRO: I also wanted to pick up on the  
4 issue of whether broad portfolio cross-licenses among  
5 large incumbent firms would somehow keep out little firms  
6 or entrants who are very small. It seems to me one way  
7 they might, I suppose, is because the two companies or  
8 multiple companies who are engaging in these cross-  
9 licenses have the design freedom and the freedom from  
10 paying royalties and therefore, can make better, cheaper  
11 products. We wouldn't usually call that a barrier to  
12 entry, okay? So, that doesn't seem like anything to  
13 worry about much less attack. So, that doesn't trouble  
14 me.

15 I agree with what Joe said. I suppose one  
16 other way to think about it is there are advantages of  
17 being a large firm. So, think about sort of economies of  
18 scale or diseconomies of scale in terms of doing R&D and  
19 patenting and so forth. And, actually, I think this is  
20 picking up on some of what Jeff said.

21 Given we have this patent thicket, at least in  
22 some industries, and all these patents and one product  
23 can possibly infringe many, many patents, there's an  
24 argument, actually, that there are diseconomies of scale.  
25 That is, if I have 10 patents that I can assert against

1       you, I'm in a stronger position than if I just had one,  
2       but not 10 times as strong, in some sense.

3               So, actually, companies that may be an  
4       outsider, who've got one patent and less exposure in  
5       terms of their revenues when they sit down to negotiate,  
6       may have a strategic advantage, not disadvantage. And I  
7       think we're going to talk about that when we talk about  
8       non-vertically integrated firms as well. I think there  
9       are reasons to be concerned, actually, particularly given  
10      that patents are opaque and they take a long time to  
11      issue and so forth. Again, it's not so much outsiders or  
12      small firms are at a disadvantage, but rather large firms  
13      could get held up.

14             MR. SCHEFFMAN: Well, what about -- I'm curious  
15      about small firms being held up. There's not much in the  
16      news these days -- in the '80s and '90s, we had a lot of  
17      stories of what I call the Silicon Valley hold-up, that  
18      is a large firm with a big portfolio goes arguably to a  
19      small firm and says, I want your technology and I've got  
20      a zillion patents here, I'm sure there's something you  
21      infringe. So, you might find it in your interest to  
22      essentially give me your technology.

23             Was that a problem? Is it a problem? Is it  
24      growing or shrinking or. . .

25             MR. FROMM: There are some problems like that



1 every now and then, not so much in the patent business.  
2 We're talking general -- not just patents, but IP rights  
3 generally. I mean, the Microsoft license agreement  
4 provides mechanisms to get back patent licenses that  
5 probably they couldn't get but for the fact that they  
6 have a strong copyright and trade secret position -

7 So, the problem does exist that people do  
8 essentially say, well, I have my -- I haven't seen very  
9 much in the way of the problem that you talked about,  
10 which is about a 20-year-old problem. I don't know why  
11 it seems to have disappeared, but it does.

12 MS. MATHIAS: Janusz?

13 MR. ORDOVER: First of all, I don't want to be  
14 understood as saying that I think these issues are major  
15 problems -- I am all in favor of substantial cross-  
16 licensing activities. I think they are decidedly  
17 beneficial. I think that the question really, in terms  
18 of formulating public policy, is how these activities  
19 affect or impinge upon, if at all, the next wave of R&D.  
20 I mean, what has been done is done. It's good to be able  
21 to share it. We know that it's good to share existing IP  
22 in many ways.

23 The reason I brought up these "small firms,"  
24 which do not have to be small necessarily in terms of  
25 their market capitalization, but in terms of perhaps

1 their portfolio of knowledge within a particular area  
2 where there are potential competitors, where the question  
3 really arises of whether or not these cross-licensing  
4 strategies have the effect of stimulating or retarding  
5 the next waves of R&D competition.

6 And I think to the extent that they have a  
7 stimulating effect, then they add more to the benefits  
8 than just simply making it more competitive in the  
9 current environment. Adapting a more static perspective  
10 fails to capture these benefits. And one would want to  
11 know a little bit more about how cross-licensing can  
12 retard the next waves of R&D competition. Then, of  
13 course, they raise these kinds of concerns of the folks  
14 here, that DOJ and FTC are well-equipped to think about.

15 So, my point really was that we need to worry  
16 mostly about the dynamic effects, as Joe pointed. How  
17 strongly do we feel about these portfolios of patents?  
18 Do we always come to believe that they are just totally  
19 valid, totally penetrable and therefore, creating the  
20 kind of exclusion or market power that IP bestows or is  
21 there certain concern that perhaps there is weakness in  
22 the margins of those patents or other types of IP?

23 So, I'm really focusing on the dynamic aspects  
24 in terms of thinking about these licenses. I think they  
25 are generally pro-competitive, but they cannot -- it's

1 not like they all are per se pro-competitive. One can  
2 use that term.

3 MS. MATHIAS: Rick, we're going to go to you  
4 next, but I had a quick question I wanted to throw out as  
5 well as we haven't really focused on the consumers and  
6 whether or not these portfolio cross-licensings pass on a  
7 benefit to the consumers or not. So, I wanted to throw  
8 that out and see what. . .

9 MR. RULE: Before I deal with that, I guess --

10 MS. MATHIAS: And you don't have to deal with  
11 that if -- I know you had another comment.

12 MR. RULE: Sure. The one comment I wanted to  
13 make is -- and I want to raise some old economy issues,  
14 but I wanted to first address Dave's question about hold-  
15 up.

16 It strikes me that one of the reasons not to be  
17 terribly concerned is if the cross-license is simply a  
18 substitute for other consideration. I mean, if you have  
19 an asset that has a certain value and the counter-party  
20 to the transaction can either pay you cash or they can  
21 give you access to their technology, since our system  
22 works on the proposition that if you have an asset, you  
23 are entitled to basically reap its value in terms of the  
24 price you'd set. I don't think you would be terribly  
25 concerned -- at least this group -- should be terribly

1 concerned about one company obtaining consideration in  
2 the form of a license. I don't think that, in and of  
3 itself, is a problem.

4 I do think, though -- I mean, you know, cross-  
5 licensing in the high tech industry is somewhat  
6 different. Back in the '80s, in particular, and I guess  
7 in the early '90s when you didn't have the sort of patent  
8 thicket issue, the notion that Janusz raised was a  
9 concern and people were often most focused on cross-  
10 licensing in the context of patent pools.

11 In the context of patent pools, and generally  
12 sort of the legal approach to those issues, the question,  
13 at least when some of us thought about it in the '80s,  
14 was not so much the sharing of the technology that  
15 occurred, but it was the restrictions that went along  
16 with it. And to some extent, that goes to Janusz's point  
17 of who else you let share, and there are certain  
18 doctrines under the antitrust laws that addressed that.

19 The other is to what extent -- how far does  
20 that sharing go and where does it cross the legitimate  
21 line? And there are obviously a lot of patent pools, at  
22 least in the case law, where the technology was not that  
23 significant but it was a mechanism for coordinating  
24 other activity. For example, by requiring payment of  
25 royalties that then would get redistributed and having an

1 effect on price. And I think there are unique problems  
2 in the high tech industry because of the various points  
3 that Carl and others have made. But I do think that, you  
4 know, potentially the big issue is -- and this really  
5 goes to consumers in many ways -- are the restrictions  
6 that come along with the cross-licensing and the pooling  
7 and I see Mike nodding his head. Maybe that's something  
8 that appeals to us lawyers more than the economists.

9 But it is something that oftentimes, at least,  
10 as lawyers, when they look at these problems, are  
11 particularly concerned about as opposed to the question  
12 of whether to enter into that agreement, per se.

13 MR. SCHEFFMAN: Okay, we have a lot of things  
14 to cover, so I want to move to the next topic, which is  
15 grantbacks and non-assertion clauses. Now, this is an  
16 area -- as some of the others were -- I think it's  
17 actually particularly important for us to be sure that we  
18 understand what we mean by these, by grantbacks and non-  
19 assertion clauses and how they differ or are similar.

20 I wonder, Mike, could you start us off with  
21 that?

22 MR. McFALLS: Sure. I think the basic  
23 definition of a grantback is it's a licensing provision  
24 in which a licensee agrees to license back, in some form  
25 or other, some IP which may or may not be related to the

1 initial IP licensed, for some period of time, in some or  
2 all parts of the world. And I think that there's a lot  
3 of variety here, and the variations that you see in the  
4 provisions play a significant role from an economic  
5 perspective and less so from a legal perspective in  
6 evaluating what the likely effect of a grantback could be  
7 or would be.

8 So, you could have royalty-free grantbacks or  
9 you could have royalty-bearing ones. As I said, you  
10 could have unlimited grantbacks with respect to  
11 geographic scope or you could have territorial and  
12 national restrictions. You could have unlimited fields  
13 of use in which to apply, if you're the licensor,  
14 whatever innovations come back to you, or you could be  
15 restricted to the scope of the IP that you're licensing.

16 Also, grantbacks may grant the initial licensor  
17 a right to actually sub-license the invention back and  
18 you'll often see that perhaps in patent pools where the  
19 initial licensor maybe has a dominant or pioneering set  
20 of patents and wants to coordinate licensing among a  
21 bunch of licensees for a variety of economic incentives  
22 that may or may not be pro-competitive, but probably  
23 often are pro-competitive.

24 And exclusive or non-exclusive, the grantback  
25 can say, you, as licensor, have the exclusive right to

1 practice, make, use and sell the invention. Not even the  
2 initial licensee will practice it or it can be completely  
3 non-exclusive whereby the licensee can go out and license  
4 this invention, subsequently developed, to somebody else.

5 And one thing I forgot to mention at the  
6 outset, usually these apply to perspective inventions.  
7 If all we're talking about are existing patents that a  
8 licensee may have, then it's probably more accurate to  
9 characterize, although certainly not necessary from an  
10 analytical point of view, these as cross-licenses between  
11 a dominant patent holder and somebody who has some  
12 improvements on it that they've already patented.

13 So, I hope that's a useful landscape. The  
14 variations don't afford us much of a common vocabulary.  
15 But they are some of the distinctions worth talking  
16 about.

17 MS. BURTIS: And, Mike, do you equate an  
18 exclusive grantback with an assignable grantback? Are  
19 those two things the same?

20 MR. McFALLS: They can be. I mean, it can be  
21 exclusive between the licensor and the licensee if it's  
22 assignable or assigned. It's akin to an acquisition.  
23 So, you have one instead of two being able to practice  
24 the invention.

25 MR. SCHEFFMAN: Jeff, could you tell us briefly

1       what your understanding from the use of these in  
2       business, the extent of usage, types of industries and  
3       types of agreements?

4               MR. FROMM:  Yeah, I think that grantbacks --  
5       and I'll lump them together with non-asserts because in a  
6       patent or a technology licensing perspective, in many  
7       cases, they're very similar.  Amongst vertically  
8       integrated companies, it's very common to have  
9       grantbacks.  And I've never found a difficulty with them  
10      except when the grantback is larger in scope than the  
11      forward-going license or longer in duration than the  
12      forward going license, that's when the problem starts to  
13      become difficult to handle either from a legal  
14      perspective, that is, from a negotiating perspective as  
15      attorneys or from a business perspective.

16              So, I think that they're pretty common.  I  
17      think most license agreements have some mechanism -- most  
18      forward-going license agreements -- many of them anyway,  
19      certainly the majority that I've ever done or know about,  
20      have some form of grantback, at least to improvements.  
21      So, I think it's reasonably pervasive in the industry.

22              MS. LEVINE:  Jeff or maybe Mike, can I ask you  
23      to help us to understand what a non-assertion clause is  
24      and then to explain for us how they are similar to  
25      grantbacks and how they're different?



1           MR. McFALLS: My understanding of non-assertion  
2 clauses, and I've seen them principally in the  
3 biotechnology field, is it's a way -- a convenient way  
4 for people to be able to effectively give comfort to  
5 somebody they would otherwise license. But they can't do  
6 so, otherwise they might come into conflict with other  
7 licensing relationships they might have.

8           So, instead of licensing somebody, you'll give  
9 them a non-assert if you, for instance, face exclusive  
10 restrictions in another licensing agreement and somebody  
11 has not drafted the exclusivity broadly enough to prevent  
12 you from giving a non-assert. Also, you can avoid MFN  
13 provisions this way that may appear in other licenses.  
14 They're actually very pro-competitive from that point of  
15 view, especially when, after negotiating your initial  
16 licensing relationships, you soon discover that other  
17 people have potentially catastrophic patent blocks on you  
18 in very high cost industries to enter.

19           So, people, quite often, will enter these as a  
20 way of giving comfort and consideration for getting  
21 something in return. Essentially you're saying, instead  
22 of giving somebody an affirmative grant, you give them  
23 perhaps a broader grant and say, within this field, just  
24 as within a license, I'm not going to see you on patents  
25 that I have today. And unlike grantbacks, it can be

1 limited sort of as a technical term to patents that you  
2 have today or pending applications.

3 You may want to limit a non-assert -- and some  
4 people do where the scope and direction of innovation and  
5 value of future innovations are unclear. To protect  
6 themselves, they may just limit it to what they have  
7 today and protect their future efforts and investments  
8 and come back and negotiate it later. But a lot of  
9 people are uneasy with that because the other side, of  
10 course, if they're going to get in this field, may want  
11 some broader assurances than that, that they can remain  
12 in it and won't have to come back to the table and  
13 renegotiate.

14 MS. LEVINE: Can you give us an example or two  
15 of some of the specific occurrences of non-assertion  
16 clauses? You mentioned that they're used when there's  
17 another contract with an MFN clause or an exclusivity  
18 provision. Surely it shows up in other contexts than  
19 those.

20 MR. FROMM: I've only read about it, I haven't  
21 counseled in it. I've been on the other side of an  
22 industry in which it was alleged that there was at least  
23 a tacit agreement because of mutually assured destruction  
24 not to sue each other for patent infringement, which is a  
25 fairly broad non-assert. But my understanding is

1 incomplete in that context because we subsequently  
2 learned that there are also a variety of collective  
3 rights organizations in those industries in which people  
4 exchange consideration in the form of money payments and  
5 actual cross-licensing agreements.

6 MR. FROMM: The distinction -- by the way, I've  
7 seen the attempt to call grantbacks non-assertions to get  
8 around MFN and I can show you a few court cases where the  
9 courts said "bullshit."

10 **(Laughter.)**

11 MR. FROMM: So, I'm not -- that's a legal  
12 theory. But most of the non-asserts that I've seen, as  
13 opposed to grantbacks, are when there's a difference in  
14 kind of the IP right being licensed. The grantbacks,  
15 typically if I'm licensing a patent out, I'll get a  
16 grantback of a patent license. If I'm licensing a  
17 copyright, I might get a grantback of a copyright right.  
18 Whereas, if I'm licensing out the copyright right, a  
19 grantback of a patent right seems kind of weird. I mean,  
20 it just doesn't match up. So, in that context, it's  
21 easier to draft the agreements and conceptualize them  
22 that the return IP is in the form of a non-assert.

23 So, if the license out is a copyright and the  
24 non-assert comes back as a non-assert of patents, that's  
25 the context that I think it almost has to exist in

1 because of the difference in the nature of patents and  
2 copyrights or patents and trade secrets.

3 MS. LEVINE: That suggests for us -- and I want  
4 to ask you in a moment what your experience is with non-  
5 assertion clauses because I know you've had extensive  
6 experience with them, but does that question suggest that  
7 there really isn't an analytical difference between a  
8 grantback and a non-assertion clause?

9 MR. FROMM: I've certainly felt that way, and  
10 every time I've been -- certainly when you sit down and  
11 actually analyze the words, there's a difference, but I  
12 think the effects are the same. Outside of the context  
13 of exclusive licensing, I mean, certainly in the non-  
14 exclusive field, I can't see any difference in the  
15 effect.

16 MS. LEVINE: So, that's to say a non-exclusive  
17 grantback has the same economic effect as a non-exclusive  
18 assertion clause? Is that what you're saying?

19 MR. FROMM: Yes, yes, as far as I can tell. I  
20 mean, the economists can show us a difference, but I  
21 can't see any difference when I negotiate the agreements.

22 MS. LEVINE: Carl, just for the record, I saw  
23 your head shaking there. So, is that a head shake of  
24 agreement with this statement or disagreement?

25 MR. SHAPIRO: I guess there may be legal

1 differences of note, but there don't seem to be  
2 significant economic differences. Of course, I was  
3 really shaking my head because Joe Farrell was shaking  
4 his head. And Joe is always right.

5 **(Laughter.)**

6 MS. LEVINE: I missed that. Well, Joe, what  
7 was your view?

8 MR. FARRELL: Well, this whole discussion is  
9 striking me somewhat in the light of different verbiage  
10 for two things that differ from each other but are the  
11 same across these categories. One is we give each other,  
12 let's say, particularly royalty-free permission to use  
13 one another's IP, that already exists. And the other is  
14 we do the same thing for IP that doesn't yet exist, and  
15 those raise somewhat separate questions, I think.

16 The first kind is, hey, this is a cross-license  
17 relative to the traditional intellectual property  
18 benchmark if everybody keeps their inventions to  
19 themselves, and anything less restrictive than that is  
20 good. This is great, right?

21 It gets at what Sarah was saying about, we  
22 haven't talked enough about consumers. Consumers are  
23 implicit in that statement that this is great.

24 Then any questions along the lines that Janusz  
25 raised about, well, what if it's only to some insiders,

1 well, the traditional analysis would say, hey, anything  
2 is better than nothing and the benchmark is nothing, so  
3 anything is better. And then I had my concern about,  
4 well, perhaps you really need to evaluate this in the  
5 context of, are you blocking a safety value that ideally  
6 shouldn't have to be there at all, but, in fact, does  
7 have to be there.

8           And then the forward-looking ones raise the  
9 issues that, again, Janusz pinpointed which is, what does  
10 this do to incentives for future innovation? Now, it  
11 seems to me if you have firms who jointly lack  
12 significant market power reaching agreements on a  
13 forward-looking basis, then I would put that in the box  
14 that I suggested, that I sketched out earlier, that  
15 they've decided that the default IP policy is  
16 dysfunctional and they're going to work around it, and  
17 you can take either an optimistic or a pessimistic view  
18 of that.

19           If, on the other hand, they do jointly have  
20 market power, then potentially you need to worry that  
21 they've decided that the incentives for innovation  
22 created by the default system may be good for consumers,  
23 but very bad for them, and so that's where you'd get into  
24 some hard core antitrust concerns, difficult ones, but  
25 hard core ones.

1 MS. LEVINE: Rick, thank you for your patience.

2 MR. RULE: I'm nothing if not patient. I guess  
3 I would draw a -- and again, I suppose I'm looking at it  
4 more from a lawyer's point of view and maybe an antitrust  
5 lawyer's point of view. The way I've always kind of  
6 understood grantbacks -- and I think this is something  
7 Joe was getting at -- is as something that develops in  
8 the future and comes back to the original grantor. A  
9 cross-license would be existing rights or rights that  
10 could also come into existence later on, basically being  
11 exchanged between parties.

12 I think non-asserts cover both. They can be  
13 both forward-looking and they can with respect to  
14 existing portfolios.

15 And so, to me, a non-assert is broader. I  
16 would agree that so far as I can tell, legally or  
17 economically, it's a little hard to see what the  
18 difference in effect of a non-assert or a non-exclusive  
19 grantback in a situation, if a non-assert applies to  
20 future created or future arising intellectual property.

21 There are reasons, though, that you might  
22 choose to go the non-assert route rather than a licensing  
23 route, whether it's a grantback or a cross-license, and  
24 that is, for example, if one company is entering into a  
25 license with another of what is potentially a valuable

1 product, maybe a new product, and that company is going  
2 to enter into those agreements with a number of different  
3 companies, it may seek a non-assert with respect to the  
4 company that is licensing the product.

5 With respect to that company's existing patents  
6 and, perhaps, future patents that relate to the product,  
7 that is, the initial product that's being licensed,  
8 because the initial licensor is concerned that this new  
9 product could go out there, a licensee could take it,  
10 knowing at the time that it took it that maybe it had  
11 patents that essentially could block that product, it  
12 could be asserted against that product. But if there's  
13 not something like a non-assert, there's a risk that the  
14 licensee takes the product, the product develops  
15 significantly, there are a lot of sales, there are a lot  
16 of third parties who get involved, and then that licensee  
17 asserts a claim against the licensed product.

18 So, in a way, there is -- a non-assert can be a  
19 guarantee to the licensor of the first product that any  
20 intellectual property issue that exists at that time will  
21 be surfaced by the licensee, because presumably if the  
22 licensee is going to give a non-assert, they have an  
23 incentive -- they're giving up a right that they think is  
24 valuable to identify that to the licensor and say, hey, I  
25 need to be compensated in this agreement as a result of



1 that. So, it facilitates some bargaining. It also, I  
2 think, lowers some of the transaction costs that  
3 otherwise exist.

4 It also, if you have a non-assert, although  
5 this, I think you can deal with in a grantback as well,  
6 and is dealt with in a grantback, is it encourages the  
7 licensor of the original product to essentially provide  
8 information and details that otherwise might be used by  
9 the licensee to develop a blocking patent position or  
10 something in the future, again, like a grantback  
11 situation. A non-assert protects the original licensor  
12 against that happening by giving the information. That,  
13 I would say, is pro-competitive because it, in fact,  
14 encourages that exchange of information.

15 And then, finally, it seems to me that if  
16 you're in the first licensor's position, you may be  
17 concerned about the third parties to whom you sell your  
18 product or license otherwise. And to some extent, if you  
19 generally engage in an effort to get non-asserts, you are  
20 protecting those other third parties because if you write  
21 the non-assert correctly, the non-assert can run not just  
22 to the licensor, but also those who license from the  
23 licensor, and you protect them against the hold-up  
24 problem of a patent issue that existed at the time of the  
25 original licensing, but that is sort of held back to sort

1 of spring on an unsuspecting licensor, but also other  
2 groups of licensees and hold them up.

3 MS. LEVINE: You're talking about a  
4 contributory infringement problem?

5 MR. RULE: Right, or it could be direct  
6 infringement because let's say that the other licensees  
7 take my product and then use it in some way or resell it  
8 in some way, and arguably, if my product incorporated  
9 intellectual property that infringed the licensee's, then  
10 he could assert it against those sellers. There's also  
11 some more complex issues, as I understand it, but I don't  
12 claim to fully understand them, that sometimes are not --  
13 you know, if I license you, my technology may not  
14 directly infringe yours. But when used together with  
15 something else, like another device, may actually create  
16 an infringement that then some third party may run afoul  
17 of and, again, a non-assert can kind of protect in those  
18 situations.

19 MS. MATHIAS: I'd like to throw a question out  
20 Janusz I noticed you had your tent turned up, so don't  
21 feel like you need to answer it, but I also wanted to  
22 keep the ball moving. Joe mentioned, I believe, that  
23 what we partly need to be looking at is the market power  
24 of the people entering the grantbacks and non-asserts and  
25 how they come into play. And my question is, at what

1 point are we looking at their market power? Are we  
2 looking at it when they enter the agreement or are we  
3 looking at it later in the future when the agreement goes  
4 into effect and they start maybe getting market power  
5 that they didn't have originally when they were beginning  
6 the licensing?

7 Joe, your tent's up, so I'll actually --

8 MR. FARRELL: Good question. I think my first  
9 answer would be at the time that they enter into the  
10 agreement. I guess an exception would be if it's  
11 foreseeable that they're going to have more market power.  
12 But if it's just something that happens and it wasn't  
13 particularly foreseen, or it was foreseen only as a  
14 possibility but not as something predictable, then I'd  
15 say you probably shouldn't look at that, you should look  
16 at basically what they could see when they entered into  
17 the agreement.

18 Let me focus on this question of market power  
19 for a moment because it's -- I think it's quite a  
20 powerful technique. We've been talking, I think,  
21 about -- largely about horizontal competitors, cross-  
22 licensing so that they can produce and compete. And  
23 there, as I said, I think one screen would be, do the  
24 firms entering into this agreement jointly have market  
25 power?

1           As so often is the case, there's almost a  
2 duality or a flipping when you move to vertically related  
3 entities. I think this may have been part of what Rick  
4 was getting at. I don't know whether Rick had in mind  
5 the Intergraph case, but some of the things he was saying  
6 maybe go to that.

7           If you have a firm with very strong market  
8 power, who is applying a grantback or a non-assert or  
9 some other private IP policy to innovations complimentary  
10 with its very strong market position, then just as in the  
11 case where horizontal competitors lack joint market  
12 power, this firm plausibly, according to some version of  
13 the one monopoly rent theorem, or as I prefer to call it,  
14 the internalization of complimentary efficiencies, this  
15 firm, with the lock on the market, may well have the  
16 right incentives for efficient behavior in the  
17 compliment. And so, that would be a second case where  
18 thinking about incentives and the market structure would  
19 give you some reassurance about the likely purpose and  
20 likely effect of these agreements.

21           Now, you know, ice has its cracks and  
22 exceptions and I'll be happy to send you a paper on that  
23 if you want, but I think it's a useful starting point.

24           MS. MATHIAS: Janusz?

25           MR. ORDOVER: I just want to, for a moment, go

1 back to these grantbacks and non-assertion provisions.  
2 Maybe it's all legal mumbo-jumbo for me, but I always  
3 thought when I first learned about these grantbacks in  
4 school, that their purpose of it was to address the  
5 difficulties in writing complete contracts or the  
6 reasonably effective contracts related to the transfer of  
7 intellectual property.

8 So, I can give you a piece of IP and it could  
9 be valuable, it could be less valuable, who the hell  
10 knows what you're going to do it with it, you're gaining  
11 certain things -- information which is hard to pin down  
12 in terms of its complementarity with whatever assets you  
13 may have now or in the future. And therefore, in order  
14 to sort of facilitate licensing downstream, I think a  
15 grantback may be a useful way for the original licensor  
16 to get some value later on where the initial contract may  
17 be hard to write.

18 Now, whether that still remains one of the  
19 rationale for that kind of arrangement, I just don't  
20 know. From the way the discussion went on, it seems that  
21 there is many, many other aspects to it.

22 Now, I think that the non-assertion claim seems  
23 to be driven by what, again, we all have identified as a  
24 potential concern, about running into an IP wall that you  
25 may not have predicted would exist instead of giving each

1 other a certain degree of assurance that what has been  
2 rightfully transferred to you or what I have received  
3 from you will not then trigger, further down the road,  
4 some kind of potentially costly litigation, debilitating  
5 litigation.

6 I think that from the standard -- well, Carl  
7 said that maybe there's not that much of a difference. I  
8 try to put them in slightly distinct boxes, and that is,  
9 the grantback being a solution to potentially complex  
10 contractual licensing, whereas relying on these non-  
11 assertions may be sort of a risk-reducing kind of  
12 arrangement.

13 Now, I have a question to Joe, and that is,  
14 when you talk about market power as an analytical tool,  
15 where is that power to be assessed? I agree with you  
16 that it's sort of a temporal issue, it's current,  
17 something that matters. But is it your control over IP  
18 or is it your control over the products that already  
19 embody the IP? And I think one can reach different  
20 conclusions as to whether this private solution to the IP  
21 issue, the public IP issue is, in fact, pro-competitive  
22 or anticompetitive. So, I think that it may behoove us  
23 to talk a little bit as we proceed about where this  
24 market power ought to be measured. At the product level,  
25 the likely future control.

1           I mean, the IP licensing guidelines and the  
2 merger guidelines, all these talk about different  
3 markets. It will be interesting to figure out where  
4 exactly we should focus our attention when we talk about  
5 the market power filter.

6           MR. FARRELL: Yeah, I agree. That's a good  
7 question, and I haven't thought about it enough. But I  
8 would say to the extent that we're worried about the  
9 impact on future innovation, which I think is the core  
10 worry, as you identified, presumably the market is the  
11 innovation market, and I know some people don't like that  
12 phrase, but you can translate that, of course, into  
13 product market terms if you want.

14          MR. ORDOVER: I think future innovation market  
15 is a very good concept. I don't understand why people  
16 have taken such umbrage to it.

17          MS. LEVINE: Let me see if I can shift gears a  
18 little bit to talk about non-assertion clauses by  
19 themselves instead of contrasting them to other  
20 creatures. Talk about whether they can enhance  
21 competition or impede it and their effects on innovation  
22 as well. Jeff, maybe I can start with you -- not just  
23 because your tent is up already and you've been wanting  
24 to speak for a while, but also because I know you've got  
25 concerns about the scope of a non-assertion clause and

1           what it can mean for competition and innovation, for that  
2           matter.

3                       MR. FROMM: Right, and I totally agree with Joe  
4           that it can play in the market power concept. The only  
5           problem I have is market power is so very difficult to  
6           measure until the Supreme Court has spoken.

7                       But I think you're right that non-assertion  
8           clauses or grantbacks, for that matter, can -- that are  
9           broader in scope or broader in duration than the forward-  
10          going license are a problem because it would tend,  
11          especially if the -- let's take the extreme where there's  
12          a non-assertion provision, which, in order to get a  
13          forward-going license to one patent I have to forgive,  
14          for all time, any -- you know, I have to give you back --  
15          agree not to assert any of my patents against you or any  
16          of your customers or any of my competitors for all time.

17                      I mean, we can write a non-assertion provision.  
18          There are some license agreements floating around in the  
19          industry that look exactly or very similar to what I just  
20          quoted. Now, that can't help but be a disincentive to  
21          the licensee, the grantor of the non-assert, to further  
22          innovate because essentially what it's done is it's  
23          eliminated the patent thicket, that's for sure.

24                      And I guess that bothers me because it -- I  
25          guess what I would propose is that there should be some



1 sort of heightened scrutiny toward such non-assertion  
2 clauses which are more extensive in either scope or  
3 duration than the forward-going license. That there  
4 might be an indication -- the fact that such a non-assert  
5 even exists, it's maybe an indication that there is  
6 market power by the original grantor. It's not proof of  
7 it, but people wouldn't generally agree to it unless  
8 there were something going on. So, I think there ought  
9 to be heightened scrutiny whenever there is a strong -- a  
10 significant difference in the grantback or the non-  
11 assertion provisions in the forward-going licenses.

12 MS. LEVINE: Okay. Rick?

13 MR. RULE: The point I would make is I think  
14 any of these provisions, whether they're grantbacks or  
15 non-assertions, really almost everything we're talking  
16 about or will be talking about, can be abused and they  
17 can be correctly used, and I would simply say that the  
18 antitrust laws generally have appropriate tools for  
19 analyzing those sorts of issues. I mean, I think it  
20 would be problematic if you saw a company insisting on a  
21 non-assert in exchange for a license that was a non-  
22 assert that was not only unlimited temporally, but  
23 unlimited in terms of geographic or product scope.

24 And I think it would -- that's not to say those  
25 deals don't get cut, but I think if an antitrust lawyer

1 looked at it, an antitrust lawyer probably would be  
2 somewhat troubled by a provision like that. And it does  
3 seem to me that -- you know, to harken back to an old,  
4 but important, antitrust doctrine of ancillary  
5 restraints, I think if you apply the notion of reasonable  
6 scope and duration and reasonable necessity or connection  
7 to whatever is being licensed, that is a way, I think, to  
8 constrain the scope of non-asserts to their appropriate  
9 limits. But I agree, you can abuse anything and you can  
10 certainly abuse a non-assert if it's way too broad and  
11 it's unconnected to the underlying licensed technology.

12 MS. LEVINE: Michael?

13 MR. McFALLS: I was with the front end of what  
14 Rick was saying, which is I think antitrust has plenty of  
15 tools in the tool kit to deal with something like this.  
16 But I don't think ancillary restraint is really the  
17 answer because it's hard to see exactly what the  
18 restriction on competition is if you simply have a mutual  
19 non-assert or even a one-way non-assert. I mean, I would  
20 think the ancillary restraints is more appropriate for a  
21 restriction on price or territories that could arise  
22 between people who might compete in the absence of a  
23 cross-license or something like that.

24 But in terms of looking at, say, a completely  
25 over-broad, non-assert in a commercial sense, I mean, the

1 way you'd analyze it is say, what are the effects likely  
2 to be on perspective innovation from the person giving up  
3 the non-assert, and why is it significant in a  
4 competitive sense that somebody else will be able to  
5 function without the fear of infringing in another  
6 product market?

7 I mean, intuitively, at a very broad level, it  
8 doesn't seem to have an exclusionary or collusive effect  
9 on its face, and I think the focus, again, has to return  
10 to what's the actual effect going to be on the grantor of  
11 a non-assert's incentive to innovate, and are they an  
12 important innovator in the product market in which that  
13 entry could occur, and are you going to lose product  
14 differentiation or value to consumers at the end of this  
15 long road. As a practical matter, that's what an  
16 antitrust case would look like in one of those  
17 provisions, just as it might with a grantback clause.  
18 Otherwise, we have the field of patent misuse to deal  
19 with things like this and infringement suits.

20 MS. LEVINE: Joe, do you agree?

21 MR. FARRELL: Only somewhat. I thought I was  
22 going to comment on Jeff's comment, but actually let me  
23 comment on Mike's comment instead because it's a little  
24 closer to what I wanted to say. And by the way, I hope  
25 when you write the report or transcript, it will be

1       hypertext because there are lots of links going all over  
2       the place here.

3                       **(Laughter.)**

4                       MR. FARRELL:   So, Mike, as I understood his  
5       comment, was suggesting you would look at the likely  
6       effects in the product market, you would look at the  
7       likely effects in the innovation market, and that might  
8       be a fine thing to do, but it strikes me it's probably  
9       going to be hard.  And a complimentary technique which I  
10      think hews more closely to the economics and also to this  
11      private intellectual property policy box that I'm pushing  
12      around would be to ask the question, not what are the  
13      effects in the product market, what are the effects in  
14      the innovation market, how do we weigh them, which is  
15      going to be difficult, but to say, all these things are  
16      trade-offs.  The off-the-shelf, default IP policy is a  
17      trade-off, and any private IP policy that you see people  
18      implement amongst themselves is a trade-off.

19                      And then you'd ask the question, how credible  
20      is it -- and you might demand a fair degree of  
21      credibility or -- I don't know -- how credible is it that  
22      these parties have really seriously wrong incentives in  
23      making that trade-off.  And you can, perhaps, get  
24      somewhere on that inquiry by thinking about the market  
25      structure issues and questions of market power and

1        complementarities and so on without some of the detailed  
2        information that you might need in order to do the  
3        separate product market and innovation market inquiries.

4                I'm not suggesting you shouldn't do the latter,  
5        I think you should use all the tools available and all  
6        the information available, but I think it's useful to  
7        have the structural approach as well as the more detailed  
8        approach.

9                MS. LEVINE:    Rick?

10               MR. RULE:    The only point I would make is,  
11        again, not to offend the principles of antitrust law, but  
12        I agree with Joe.    I mean, the problem -- if you're  
13        advising a client who is entering into a provision like  
14        this, they're not very happy if you tell them weight  
15        effects in different markets.    At least mine aren't, I  
16        don't know.

17                So, one of the benefits of a doctrine like the  
18        ancillary restraints doctrine is it's at least a one-  
19        offer, a heuristic kind of approach that doesn't directly  
20        try to measure those things, but establishes certain  
21        rules that are administrable and are somewhat easy to  
22        understand and apply at the time you're doing an  
23        agreement and essentially decide some things, because I  
24        do think that it would ultimately be relevant in a  
25        balancing of the relevant effects and doing a structural

1 analysis to analyze what the scope is, what the duration  
2 is. All of those things really do, if you think about  
3 it, play into it.

4 And one of the benefits of the way the doctrine  
5 has developed over time is it incorporates those notions  
6 and it provides a mechanism for folks at the time, in the  
7 field, to basically make some of those decisions. I  
8 don't disagree that ultimately looking at market  
9 structure and trying to analyze effects is ultimately the  
10 goal, but I do think that all antitrust rules and all  
11 antitrust policies have to be measured against how  
12 effective they are practically in accomplishing those  
13 results because of information problems that we confront,  
14 not only at the time we license things, but also,  
15 frankly, when you get to court.

16 MR. FROMM: I just want to say one other thing.  
17 I think there's a timing problem with antitrust rules,  
18 which is by the time -- I agree with Rick that if you saw  
19 a grantback of the type that I hypothesized in the  
20 extreme that antitrust counsel would advise you against  
21 putting that in there. But I would also point out that  
22 the licensor's antitrust counsel -- he could find  
23 antitrust counsel that would say, sure, that's fine. By  
24 the time the case, in the unlikely event that it ever got  
25 to court, by the time that happens, it's 10 years down

1 the stream or it's five years down the stream and a lot  
2 of water's gone under the bridge.

3 So, I think as far as this session is  
4 concerned, I think it's useful to contemplate what kind  
5 of rules we might promulgate or the government might  
6 promulgate or suggest as to how you would run your  
7 activity, and that's the reason why I tend to not focus  
8 so much on definitions of market power, because, as you  
9 said, if you try to talk to your client about market  
10 power, they just roll their eyes and what the heck does  
11 that mean.

12 But I think if you focus on the -- and maybe  
13 it's a patent misuse question of, is the grantback or is  
14 the non-assert provision significantly more extensive  
15 than the forward-going. That should be your threshold  
16 question. That's my preference that the government would  
17 say that anything that goes beyond that -- and I don't  
18 mean trivially beyond that but significantly beyond that,  
19 that ought to raise big red flags, because ultimately  
20 it's saying that there really is market power.

21 Now, where that line is drawn, who knows? Like  
22 I say, the Supreme Court will tell us some day on any  
23 given set of facts, but I think from a competitive  
24 perspective, which we're trying to encourage competition  
25 in the innovation markets, and I like Joe's innovation

1 market concept. I think that that's the market we should  
2 be focusing on and we want to provide guidelines for  
3 people who are trying to do the right thing, and people  
4 are trying to do the right thing all the time. It's  
5 sometimes people get overzealous. Often you get  
6 overzealous if you've got a monopoly position. Why not?

7 MR. ORDOVER: That's the only time it's fun.

8 MR. FROMM: Well, that's the only time you can  
9 really make a lot of money. You know, you've got to have  
10 an illegal drug or something that's a monopoly, you know.

11 MS. LEVINE: Any response to Jeff's plea for  
12 workable rules?

13 MR. ORDOVER: No, I think I agree because I  
14 would say that while these slogans, you know, ancillary  
15 restraint doctrine and all that, they all are very  
16 valuable, but I presume if two lawyers across this table  
17 were to apply the same doctrine to a particular set of  
18 facts, unless they colluded ex ante, would probably reach  
19 or could reach different answers as to whether or not  
20 this is really ancillary to a particular licensing  
21 setting or an attempt to reach a contractually  
22 satisfactorily resolution to whatever issue is present.

23 So, I think it would be very important if, at  
24 some point, one can actually come to some agreement as to  
25 what the shortcuts might be, not necessarily the sort --



1 the merger guidelines offer you a set of shortcuts. But  
2 what are the things that one should look at? And  
3 perhaps, is the grantback beyond the duration of the  
4 license? I mean, that seems to be an obvious thing to  
5 look at. Why would you want to go past that or why  
6 should you? I know why you'd want to, but why should  
7 you?

8 Question, is it a grantback relating to  
9 products that are only marginally related to the initial  
10 licensed out technology? You can ask that. You can ask  
11 whether or not it involves -- is the grantback exclusive  
12 or not, the usual stuff like that.

13 So, it would be nice to have a list of these  
14 kinds of things that both economists and lawyers can  
15 agree upon as being red flags or as being green lights.  
16 And I think that we are, really at this stage, still  
17 looking for answers. I read the other day the Areeda and  
18 Hovenkamp discussion of that issue which seems fairly  
19 straightforwardly uninteresting. But, you know, just  
20 simple in my way, given just our conversations. But they  
21 do offer something simple and maybe that's a plus. I  
22 think that we are looking for something richer than what  
23 they are suggesting. On the other hand, there's always a  
24 virtue in simplicity.

25 MS. LEVINE: Rick, do you have a response to

1 those red flags?

2 MR. RULE: Yeah, a couple of points I would  
3 say. First, there has yet to be a perfect legal rule  
4 that is understood and beyond dispute when you get two  
5 lawyers together.

6 MR. ORDOVER: Or two economists.

7 MR. RULE: Otherwise, you'd put us out of  
8 business and we wouldn't want that. So, the fact that  
9 there are disputes and two lawyers can basically take the  
10 same rule and come to different conclusions and argue  
11 those conclusions, I don't think is necessarily a  
12 condemnation of a particular rule. I mean, you know, the  
13 merger guidelines are a perfect example of that, and I  
14 think any sort of expectation or hope on the part of the  
15 FTC or the Department of Justice that you're going to  
16 develop those rules this time around, I think you  
17 probably ought to set your objectives a little lower.

18 The second point I would make is that -- I  
19 mean, personally, I find approaches like -- and I use  
20 ancillary restraints because of reasonable necessity, but  
21 there are other ways that one can explicate that. I  
22 think at least the attempt that we made back in the '80s  
23 was in the now defunct International Guidelines of '89.  
24 But if you look at that you'll see a general sort of  
25 approach to evaluating restrictions in intellectual

1 property licenses. But it's more, in the antitrust  
2 vernacular, a rule of reason as opposed to per se.

3 And the concern I would have about what my good  
4 friend Janusz just said is that it reminds me of the Nine  
5 No-Nos from the early '70s. I think those of us old  
6 enough to remember those Nine No-Nos in those days  
7 recognize that they were far more problematic, generated  
8 far more uncertainty, generated far most cost, I think,  
9 to the system than did a kind of a rule of reason  
10 approach that we've evolved to in the interim.

11 I would also argue that -- and I'll just make  
12 this point quickly -- I think it's probably wrong to say,  
13 well, that's not an antitrust problem, let's just look at  
14 it under the misuse doctrine. I would refer anyone  
15 interested in the topic to a speech that I still think is  
16 probably the best ever given by the late Roger Andewelt  
17 when he was a deputy in the Antitrust Division, who  
18 basically pointed out that the misuse doctrine is  
19 essentially an antitrust doctrine, and it kind of got  
20 perverted along the way into a very bizarre doctrine.  
21 And Roger really was sort of one of the first to advocate  
22 bringing misuse back to its antitrust roots, and he  
23 actually was pretty successful in that because the  
24 Federal Circuit, in many ways, kind of followed him along  
25 and I think had a lot of respect for him when he was a

1 judge on the lower court there.

2 So, I've, at least in my mind, since knowing  
3 Roger, never really distinguished between misuse and  
4 antitrust. I think they really are largely the same and  
5 you can't really say, well, we don't have to worry about  
6 it because misuse will deal with it because, I think,  
7 generally they are two peas in the same pod.

8 MR. SCHEFFMAN: We have to move on to the next  
9 session, but I would like to ask a cosmic question which  
10 is at least -- I mean, we did have some clarity with the  
11 Nine No-Nos, but as to what policy was, I think we all  
12 agree that was the wrong policy. Now, is the policy  
13 right now, that is, how often is it in your experience  
14 that businesses are not able to do things that you think  
15 are probably okay but they're not willing to take the  
16 risk? Or alternatively, how much is it free-for-all and  
17 they're doing lots of stuff that probably is not okay  
18 because who knows what the standard is and there's  
19 actually not a lot of enforcement activity?

20 MR. ORDOVER: How could we judge that? I mean,  
21 I think that this goes back to the discussion we had  
22 many, many years ago about the need for some joint  
23 venture guidelines because somehow the U.S. firms were  
24 panicked when locked into this complete inability to  
25 enter into efficient arrangements with their competitors

1 or whatever the term is for people who are both  
2 competitors and collaborators -- because there was no  
3 clarity.

4 There's never been any proof that somehow the  
5 U.S. firms found the environment so confining as not to  
6 be able to exploit whatever was out there.

7 I think that, you know, the cosmic question is  
8 almost impossible to answer, but I would say that, first  
9 of all, I think nobody would advocate going back to -- I  
10 didn't advocate going back to the Nine No-Nos, at least I  
11 wouldn't, but I would like to look at maybe 15 yes-yeses  
12 and I think that there is a quite different intellectual  
13 approach. So, maybe that's a better way to think of it  
14 from my perspective anyway, or at least what can be a  
15 yes, what are the things that make a no into a yes or a  
16 yes into a no. One way, whichever way it is.

17 The issue really comes about from the fact that  
18 the intellectual property doctrine is evolving  
19 potentially separately, at least in the courts, from  
20 antitrust doctrine, and I think that the shifting winds  
21 between the primacy of a short-term competition-based  
22 view of what it is that public policy ought to promote  
23 versus the now perhaps ascendant view that we should  
24 favor investment in intellectual property and give  
25 extensive intellectual property rights. The lack of

1 synchronicity is creating the kind of problems that we  
2 all are trying to grapple with.

3 So, I don't believe that one can resolve these  
4 issues in any other way other than to try to figure out  
5 whether there is the scope or is the room for somehow  
6 rebalancing these two potentially separate flows of  
7 current intellectual analysis of the issues. I mean, it  
8 seemed clear that when nobody cared very much about  
9 intellectual property many, many years ago things were  
10 relatively simple. Antitrust was the obvious focus and  
11 things were bad because they seemed like restraints that  
12 one should not invoke. Once you begin to understand how  
13 important it is to create incentives for R&D, for  
14 exploitation of intellectual property, you begin to  
15 wonder, well, how far can it all go.

16 And I think we are, again, at this crossroads  
17 because of the patent thicket that Carl talked about, it  
18 built up and extends, very broad coverage of patents, and  
19 all of a sudden, it turns out to be that huge portions of  
20 potentially important space are being foreclosed  
21 legitimately by this kind of public policy towards  
22 intellectual property.

23 MR. SCHEFFMAN: I do want you to think about my  
24 cosmic question because it's important, at the end I'm  
25 going to ask it again and see if everyone's got an

1 answer. You may have an answer now, but we have to go on  
2 to a different topic. But in the final wrap-up, I  
3 certainly intend to ask it again.

4 But our next topic in moving along, because  
5 we're running behind schedule, is reach-through licensing  
6 agreements. This is something that I know that a number  
7 of people are concerned in, the NIH, in particular. So,  
8 I wonder if Barbara, if you could start us off talking  
9 about what you -- again, definitionally what you  
10 understand, in your view a reach-through licensing  
11 agreement to be and what you see as the issues.

12 MS. MCGAREY: Sure. Actually, it's a good  
13 segue because I wanted to, partly to comment on -- before  
14 we leave grantbacks because in our view, grantbacks can  
15 have a reach-through connotation. So, it's a bit of a  
16 segue.

17 But in the biomedical field, we do see  
18 grantback requests quite a bit and it is a way of -- when  
19 you made the point, is it a way of valuing the  
20 technology? We very much see that. It is a way of  
21 valuing the technology where the owner of, in most cases,  
22 a research tool doesn't exactly know how to value it or  
23 potentially wants to get it into the hands of many, many  
24 different researchers. So, instead of valuing it at a  
25 financial level we'll say, well, I'll take a grantback of

1 an option to an exclusive license, and then they see  
2 their tool all over the country in labs, and when there's  
3 innovation, that's how they get their value.

4 So, to us, in our world, we would consider that  
5 a reach-through. So, to then start the new session, we  
6 would consider a reach-through to be any provision that  
7 really requires a continuing relationship with the  
8 provider of a material or the licensor. And I should  
9 say, we don't always see it in a licensing context. We  
10 deal with material transfer agreements and sometimes very  
11 informal letter agreements. It's not always a license  
12 situation. But very often the tool is patented.

13 So, we would consider a reach-through to be  
14 either a request for a portion of royalties if, in fact,  
15 we make an innovation with a tool and license it and get  
16 future royalties, even restrictions on what we can do  
17 with new intellectual property that may arise out of use  
18 of the tool. So, for example, unreasonable requests to  
19 review what we might publish or what results we might  
20 publish, requests to restrain perhaps negative results.  
21 We view all of those as reach-throughs. I can tell from  
22 the discussion this morning that's a different  
23 definition, perhaps, than in the antitrust world.

24 But our concern with these types of requests is  
25 in the biomedical research enterprise, when a provider of



1 a tool who may have that tool patented requests a  
2 continuing relationship, it really serves to restrain  
3 future innovation. It can result in a pile-up of  
4 royalties so that it could actually prevent a product  
5 from coming to market, because usually in the biomedical  
6 research context, you're talking about research that's  
7 going on at the very beginning stages and a product is  
8 maybe 7, 10, 12 years down the road. And if you are  
9 combining multiple tools to get to future intellectual  
10 property, you've got stack-ups of royalties if the reach-  
11 through is actually a royalty.

12 But mostly in the context that we see it, our  
13 scientists are reluctant or we're reluctant to allow our  
14 scientists to agree to these provisions in order to use a  
15 tool, because in our view, it's really a patent owner is  
16 trying to get, by contract, what they could not get  
17 through their patent rights, because typically the patent  
18 on the tool is not -- the tool is not going to show up in  
19 the final product. The tool is not going to be a  
20 component of the final product. And so, it's a way for a  
21 patent owner to really extend rights that the patent  
22 system has not really given them.

23 And in our view, perhaps parochially, we feel  
24 that we provide the innovation. We're using a tool, but  
25 really the intellectual property comes from the

1 scientific innovation. So, for us, it really acts as a  
2 restraint on innovation.

3 So, let's see, did I define what we think of as  
4 a reach-through?

5 MS. SCHEFFMAN: Thank you. Michelle, what do  
6 you see the economics here?

7 MS. BURTIS: Well, I was wondering actually  
8 first, does NIH have a problem with paying? I mean, the  
9 restrictions, I can understand why you would have a  
10 problem with that and how it might dampen further  
11 innovation. But do you, as an alternative, just pay some  
12 lump sum for the research tool?

13 MS. MCGAREY: Well, we'd rather -- yes. I  
14 mean, I think that -- and I realize I'm probably not  
15 speaking for universities because I think in some context  
16 universities would rather agree to a grantback or a  
17 reach-through of some type, depending on what the tool  
18 is, rather than pay out of their research budget.

19 But from our point of view, a broad enabling  
20 tool should be available on the market as something you  
21 can buy versus something that requires you to get a  
22 research partner.

23 MS. BURTIS: Well, typically, people have liked  
24 reach-through agreements because then it's a way to  
25 efficiently price because -

1 MS. MCGAREY: Right.

2 MS. BURTIS: -- if, you know, whatever is  
3 commercialized never has a market, then the person who  
4 has bought the tool ends up paying a very little amount  
5 for the tool. On the other hand, it's just sort of a way  
6 for everybody to share the risks. I think that's  
7 probably why they've become much more popular.

8 MS. MCGAREY: Um-hum.

9 MR. FROMM: Can I just put on my patent hat for  
10 just a second about reach-throughs?

11 MS. MCGAREY: Um-hum.

12 MR. FROMM: I think we have to understand that  
13 reach-throughs are clearly getting royalties on  
14 unpatented items, but if the person who wrote -- I mean,  
15 that's what we mean by reach-throughs.

16 MS. MCGAREY: Right, okay.

17 MR. FROMM: Right. I mean, the ultimate tool  
18 is noninfringed by the resultant products that people are  
19 seeking royalties on.

20 MS. MCGAREY: Right.

21 MR. FROMM: That's not to say that the  
22 patentee, the original patent applicant, could not have  
23 written his patent differently to have gotten claims if  
24 they were novel to the resultant products.

25 MS. MCGAREY: Yes.

1 MR. FROMM: Now, the problem that you have is  
2 they're not novel.

3 MS. MCGAREY: Right.

4 MR. FROMM: And that's the reason why he didn't  
5 do it.

6 MS. MCGAREY: Right.

7 MR. FROMM: So, now, is he getting royalties on  
8 things that he didn't get a patent to, that patent claims  
9 don't read on or define a problem, but he couldn't have  
10 gotten those patent claims and I think there's something  
11 sort of weird to saying that by contract, not only -- as  
12 you point out, not only are we getting something that he  
13 couldn't have got, but the patent office has probably  
14 already ruled he's not entitled to.

15 MS. BURTIS: But would you agree he's entitled  
16 to a fee?

17 MR. FROMM: Of course. But it's the same  
18 problem --

19 MS. BURTIS: I mean, it's just a way to  
20 structure the fee.

21 MR. FROMM: Hey, I want a fee, too. But if I  
22 have a patent on a voltameter, should I be able to get a  
23 fee for every car that's tested with that voltameter?  
24 That's an absurd thing.

25 MS. BURTIS: Well, if your voltameter is a

1 great product, then yes, you should get a big fee. But  
2 if it turns out your voltameter doesn't work very well,  
3 then that fee will end up -- if it's a reach-through  
4 royalty, will be very low.

5 MR. FROMM: So, you're just arguing that I can  
6 structure any royalty agreement, for any tool, any way I  
7 want and it should be legal?

8 MS. BURTIS: Yeah. I mean, it doesn't  
9 necessarily have to be intellectual property, I guess.

10 MR. FROMM: I just think that --

11 MS. BURTIS: It's just a way to pay.

12 MR. FROMM: I'm not saying that there should be  
13 a per se illegality to it --

14 MS. BURTIS: That's good.

15 MR. FROMM: -- any more than there should be a  
16 per se illegality to getting royalties past the  
17 expiration of a patent or a per se rule against  
18 grantbacks that are more extensive. I'm not arguing for  
19 Nine No-Nos or any per se rules here. I'm just saying  
20 that we ought to look at those kinds of things very  
21 carefully because once again, it's a heightened scrutiny  
22 kind of a question, that if I'm going to get royalties on  
23 unpatented items, there is -- what I'm getting, I'm using  
24 the leverage of my patented tool to change the economics  
25 of the downstream markets, the things that I didn't

1           invent.

2                   MS. BURTIS:  There are agreements where people  
3           get royalties in terms of some payment on things that are  
4           not intellectual property, though.

5                   MS. LEVINE:  Barbara?

6                   MS. MCGAREY:  Well, from our point of view,  
7           whether it's legal or not, it comes down to something  
8           that we're not willing to let our scientists agree to  
9           that and what happens in a practical sense is that tools  
10          are not available and science -- I mean, if you had a  
11          scientist here they would say, oh, it's completely stop-  
12          science.  But by that they mean it's delayed a year or  
13          two in terms of getting the tools they need.  They have  
14          to either make them themselves in their labs, you know,  
15          enter into a collaborative relationship to get one which  
16          they didn't necessarily want.

17                   So, it fosters a big delay, and in biomedicine,  
18          that's just a huge deal because biomedicine is traveling  
19          very quickly.  And so, it means that certain tools are,  
20          perhaps, completely unavailable or just worked around and  
21          the cost is time.

22                   MR. SCHEFFMAN:  Is NIH a little bit different?  
23          I'm, as many others here, a faculty member on a  
24          university with a very big medical center, Vanderbilt,  
25          and I think their position is changing because they see

1 this as a profit center of intellectual property they  
2 will create and they like to get reach-through royalties  
3 because that's the way of maximizing the value of  
4 intellectual property.

5 MS. MCGAREY: Well, in terms of them importing  
6 research tools into their science, they don't like them  
7 necessarily, although sometimes it's a way to get free  
8 tools, and if they don't see anything new coming out of  
9 the research, then they're willing to go ahead and give  
10 the option rights. In other words, you say, well, you  
11 know, probably nothing commercial is going to come of  
12 this research, which is famous last words for scientists,  
13 but then they're willing to give the reach-through.

14 In your situation, you're probably talking  
15 about technology that they're trying to license out.

16 MR. SCHEFFMAN: Things they create for the  
17 purpose of not just research, but trying to make money  
18 for the medical center.

19 MS. MCGAREY: Well, yeah. I should have said  
20 in the beginning, I think in the context of reach-  
21 through, I think we're talking about broad enabling tools  
22 that are not destined to be products themselves one day  
23 because when you're licensing out a product, there's a  
24 whole different scheme, or licensing out even a tool that  
25 you're licensing to a company that's going to produce it

1 as a product and sell it, then, again, you know, you have  
2 sort of a more standard licensing arrangement versus  
3 reach-through.

4 I don't think too many universities use reach-  
5 through for their tools. Well, for one thing, hopefully  
6 they don't if they're NIH-funded because our policies are  
7 against that. Maybe they do. But it's mostly something  
8 that companies do, small companies in particular,  
9 because, again, it's an issue of value or companies that  
10 are sort of in the middle in terms of they want the  
11 grantback rights so that they can license those out.

12 I mean, a good example is if a scientist is  
13 using a computer array technology to try to find disease  
14 genes and you find a disease gene. If that array  
15 technology has a reach-through or a grantback, the  
16 company may be a technology company. They're not going  
17 to commercially develop a disease gene, but they're going  
18 to turn around and sub-license it to a pharmaceutical  
19 company for lots of money. So, it's a way of getting  
20 value for your tool.

21 MS. LEVINE: Let me see if I can introduce a  
22 wrinkle into this and get your thoughts on it and on the  
23 comments you wanted to make originally, and then turn it  
24 to Frances who I know has an important antitrust-oriented  
25 question to this whole conversation.



1 I wanted to just introduce this wrinkle.  
2 Imagine that the licensor of the patented material, like  
3 the cell line or whatever, has an in-house researcher who  
4 also wants to use that patented material. The firm, that  
5 university is licensing, through a reach-through royalty  
6 agreement, the cell line to an outside researcher, but  
7 also has an inside in-house researcher who also wants to  
8 use the material. Does a situation like that, which I  
9 gather from Barbara, is that right, that actually does  
10 occur?

11 MS. MCGAREY: Yes, very frequently because  
12 usually these are non-exclusive arrangements. Usually.

13 MS. LEVINE: So, if that is the case, then,  
14 does that introduce a horizontal aspect to the problem  
15 we've been discussing?

16 MR. SHAPIRO: Well, I'll try to get to that.  
17 But first of all, you've raised the question of whether  
18 these reach-through agreements slow down science  
19 innovation. That seems to be very important,  
20 particularly in a rapidly moving field. I guess one view  
21 would be if the PTO is issuing a lot of patents that are  
22 too broad, they shouldn't be and that's gumming up a lot  
23 of stuff. I'll set that aside. It may be true.

24 But given the intellectual property rights that  
25 have been issued, it's not surprising people would like

1 to get a return on the patents they've got and I would  
2 not particularly expect reach-through royalty licensing  
3 arrangements to slow things down unless you have a rule  
4 that prevents them. Then, if you won't let your  
5 scientists pay me for my IP, well, why should I give it  
6 to them for free? I'll exploit it myself.

7 So, the rules may be slowing things down, but  
8 not the reach-through licenses. Actually, they're  
9 prohibition.

10 More generally, I guess I'd like to get into  
11 the next -- and this is partly in response to some of the  
12 things you said, Jeff. What I think is correct and maybe  
13 an important economic point, there's concern, I've heard,  
14 maybe outrage, even, that somebody might seek royalties  
15 for products beyond the scope of the patent, just like  
16 they might seek royalties beyond the lifetime of the  
17 patent, which seems to me the law sort of takes a dim  
18 view of these sort of things. With economics, it's not  
19 nearly so unfavorable. In fact, there's basically some  
20 theorems that spreading out royalties over a larger brace  
21 and a lower rate could be better.

22 So, I have a question when I hear those sort of  
23 stories. Why did anybody agree to pay royalties on  
24 something that wasn't infringing? And I would think  
25 normally the answer is, well, they got a lower rate on

1 the stuff that was infringing. Maybe you have another  
2 answer, okay?

3 MR. FROMM: That's not the normal case.

4 MR. SHAPIRO: But I don't claim to understand  
5 it. So, I just want to know why.

6 MR. FROMM: Sometimes licensors and licensees  
7 do agree to royalties that run past the lifetime of a  
8 patent for exactly economic reasons, that they need to  
9 reduce the royalty rate to compete with some other  
10 product to keep the cost of the end user product down and  
11 those kinds of things. That does happen. But just as  
12 often it happens because the licensor has market power,  
13 has real market power and they've got the ultimate tool  
14 that allows you to produce a product that -- in other  
15 words, it's not that the royalty rate is lower, it's the  
16 royalty rate is the same. It's just they get to extend  
17 it for 50 years instead of 20.

18 MR. SHAPIRO: Well --

19 MR. FROMM: I know from an economic perspective  
20 the question is what is the right royalty rate. But I'm  
21 saying that happens as well.

22 MS. BURTIS: It would probably be higher for  
23 the regular term, though, than it is for over the 50-year  
24 period.

25 MR. FROMM: No -- well, like I say, both of

1 those events happen. Both of those events happen.

2 MR. SHAPIRO: I guess I would be skeptical of  
3 the notion that I could charge you a royalty rate, the  
4 same royalty rate, and then just get a broader scope with  
5 the same intellectual property. I mean, that doesn't  
6 sound like I would normally think of bargaining working  
7 out, whatever the degree of market power is.

8 And finally, since you raised this last  
9 question, it seems to me if you're vertically integrated  
10 and you're letting your own researchers or downstream  
11 folks use a tool with no charge, let's say, but you still  
12 want to charge other people, I mean, and that is a  
13 classic sort of vertical situation where you might be  
14 less inclined to license it outside to the extent you've  
15 got downstream interest, I'm not sure what we can do  
16 about that short of imposing some sort of duty to deal,  
17 which I would not get to very easily. I don't think  
18 you'd want to have a non-discrimination rule necessarily  
19 and if you give it free internally, you have to give it  
20 for free externally. But that might be worth looking at.

21 A starting way to view it is, that's nice.  
22 Efficiency is associated with vertical integration, but  
23 it might annoy the third parties who are feeling they're  
24 at a disadvantage.

25 MR. FARRELL: Well, I was going to say sort of

1        what Carl said, but let me say it more pugnaciously.  
2        Coming back to the interchange a few minutes ago between  
3        Michelle and Jeff, so the question is why this horror at  
4        royalties being charged on things that are not in the  
5        patent, either because they are not products that  
6        infringe the patent or because they're something too far  
7        down the road.

8                Carl and Rich Gilbert published a paper about a  
9        decade ago where they show that the least distorting way  
10       to raise a certain amount of reward for innovation is to  
11       have an infinitely long-lived but relatively weak patent.

12               One can go beyond that and say that the least  
13       distorting way to raise a certain amount of money for an  
14       innovator is to have Ramsey taxes on all goods, whether  
15       or not related in the least to the innovation and whether  
16       produced using the innovation or not. Those Ramsey taxes  
17       will presumably be perpetual and very, very low.

18               So, what's wrong with this picture? Well, one  
19       thing that's wrong with this picture is, who sets these  
20       royalty rates? If you're allowed to set it on everything  
21       and you're allowed to include non-users of the  
22       technology, then you have an awful lot of power, so we  
23       have this ad hoc structure or maybe a natural structure  
24       where people can just say no and go away and not pay you  
25       anything.

1           So, then the question is, the bargaining is,  
2           the default outcome is, you don't get to use the  
3           intellectual property and then you're trying to negotiate  
4           something that's bilaterally efficient, in other words,  
5           least distorting from the point of view of the two  
6           parties jointly with that default outcome to govern  
7           basically the bargaining positions.

8           Now, I think it's pretty clear in these  
9           bilateral problems, as opposed to the full Ramsey, that  
10          there are externalities from these agreements. And  
11          therefore, it's not the case, as it would be with a fully  
12          Ramsey set-up that efficiency is served by allowing full  
13          flexibility. But I also don't think it's at all clear,  
14          from an economic point of view, that you'd want to limit  
15          them the way that Jeff's intuition or that the law on  
16          patent extension limits them.

17          So, it seems to me a sensible starting point  
18          for policy is to not worry too much about the structure  
19          of on what goods these things are levied, to worry about  
20          there being a genuine option to walk away where that's an  
21          issue, and to worry about any effects on future  
22          innovation, and that brings us back to our discussion on  
23          grantbacks and the like.

24          So, that would be my perspective on this rate  
25          structure issue for royalties.

1 MS. LEVINE: Frances?

2 MS. MARSHALL: My question really goes to this  
3 issue of what's the anticompetitive element here that  
4 antitrust authorities should be concerned about. We have  
5 heard a lot in these hearings about the effects on  
6 innovation of these sort of reach-through royalty  
7 agreements, particularly when they are stacked, when  
8 there's more than one research tool that's being used.  
9 But if we assume that the research tool is validly  
10 patented and that the owner of that patent has the  
11 accompanying right to exclude, and can choose whom to  
12 license and to whom not to license, is there anything  
13 here that we should be concerned about from an antitrust  
14 perspective with respect to reach-through royalty  
15 arrangements?

16 MR. ORDOVER: It's hard to say what it would  
17 be. I know of a case in which there is actually a  
18 research tool -- I don't want to disclose what it is, but  
19 there is a way of involving some genetic testing in which  
20 -- it turns out it is very difficult to collect a royalty  
21 on the use because it's very widespread, it's hard to  
22 monitor who is doing how much of it. It's in the labs,  
23 it's in the universities, some people can do it in their  
24 home, actually on the stove, all kinds of stuff. I mean,  
25 it's true. They call it home brew.

1           So, you know, you have a problem for an  
2 intellectual property which is actually essential to a  
3 lot of stuff, and yet, monitoring its usage and  
4 therefore, collecting the value is almost impossible.

5           So, what do you do? Well, one thing you can do  
6 is perhaps try to collect the royalty on equipment that  
7 can perform the test. So, maybe measuring voltage is a  
8 brilliant idea, but how can you figure out who is  
9 measuring how much voltage and how often. But maybe you  
10 can try to say, hey, every time you buy a voltmeter,  
11 you're going to pay me 10 bucks. That seems like a  
12 fairly reasonable thing.

13           So, from my perspective, I would say that the  
14 issue is really, you know, how important is it for us to  
15 believe that the people who do contribute very important  
16 intellectual property to society should be entitled to  
17 some return, even though the only way to collect that  
18 return seems to be by putting a levy on the product that  
19 doesn't seem to fall within the scope of the particular  
20 patent, and these kinds of doctrines which say, well, you  
21 know, if the product can be used only for that purpose,  
22 maybe it's not so bad, but if it can be used for three  
23 other purposes, then it's horrible and you shouldn't be  
24 allowed to do that, makes absolutely no economic sense to  
25 me. I mean, as Joe talked about the Ramsey or some kind



1 of an efficient tax.

2 So, really, again, we're going back to the  
3 question of whether or not these kinds of taxes that go  
4 beyond the actual license collection mechanisms, that go  
5 beyond the patent at issue, are really distortionary, and  
6 to my view, they are not distortionary if they don't, in  
7 any form or fashion, for example, prohibit entry into the  
8 exploitation of the underlying intellectual property with  
9 the tools or with the products on which the levy is being  
10 imposed. So, if anybody can get into the voltmeter  
11 business and just has to pay some kind of a royalty,  
12 what's the big deal?

13 If you say, okay, you pay me the royalty and I  
14 will not -- but I'm only going to allow you to be the  
15 licensed -- the one that's going to be in compliance with  
16 my intellectual property, I think that begins to create a  
17 problem. Whether you are using that intellectual  
18 property actually diminishes competition downstream as  
19 opposed to somewhere else.

20 MR. SCHEFFMAN: Thanks, Janusz. I want to give  
21 Barbara and Rick a chance to comment. We are really  
22 late, so we have to move to the next topic, but we want  
23 to hear your comments on this.

24 MS. MCGAREY: I'll talk fast. Well, NIH is as  
25 outspoken as we can be. We certainly don't like reach-

1 through, we don't agree to it, we don't like our grantees  
2 to agree to it, but I don't think I can say that it's  
3 anticompetitive or it's something that the Federal Trade  
4 Commission or the Department of Justice needs to look at  
5 because in my experience with this, I mean, this sort of  
6 concern started in the early '90s and I think it's  
7 something that the marketplace takes care of, perhaps,  
8 very painfully. I mean, we don't like it. Sure, we'd  
9 love somebody to solve this problem for us, but the  
10 market really does solve it, because what happens is if a  
11 recipient does not like the terms, they don't engage in  
12 the terms.

13 And, you know, from the standpoint of  
14 biomedical research, maybe it's a problem, but in terms  
15 of anticompetitiveness, I can't really say that it is  
16 because we've had many examples where we've simply said  
17 no or we continued to negotiate and we've negotiated the  
18 reach-through out or not, or our scientists have simply  
19 designed a better mouse and that -- I think really the  
20 market takes care of it because there are not too many --  
21 I don't know, I can't think of an example where this  
22 problem, as painful as it was, that ultimately what I  
23 would call market forces didn't work this out.

24 MR. RULE: It strikes me that this is  
25 essentially a throwback issue. I mean, *Brulotte v. Thys*,

1       which is the rule that prevents royalties beyond the life  
2       of the patent, is sort of a part of a general notion that  
3       was resonant in patent antitrust law in the '50s, '60s,  
4       and to some extent, '70s, that if there was something  
5       inappropriate about getting some benefit or value beyond  
6       the scope of the patent, whatever the heck that meant,  
7       and so, there were a bunch of anti-tying doctrines,  
8       Brulotte v. Thys was an example of that. But I would  
9       have thought that generally there has been an increasing  
10      recognition.

11               I would even argue in the case law that the  
12      benefit of mechanisms -- and it sounds like reach-through  
13      royalties are one of them for metering, which is another  
14      way that we antitrust lawyers think about it, of  
15      essentially capturing the value created by intellectual  
16      property is a good thing. It tends to disseminate  
17      technology broader oftentimes than a single price because  
18      certain people can't afford it because it's difficult to  
19      evaluate how much it's going to be worth over time, and  
20      generally, the treatment of the antitrust laws has been  
21      favorable to that. It doesn't seem to me that it's a  
22      criticism to say, well, gee, that may reflect monopoly  
23      power. That's true, but then again, that's what patent  
24      protection, intellectual property protection is all  
25      about.

1           Since it's an idea, it's information, it's zero  
2 marginal cost and it's got a positive marginal cost and  
3 therefore, a positive marginal value, you would expect  
4 somebody to be able to reap a reward and, again, I've  
5 never heard any argument as to how somebody can obtain a  
6 royalty that exceeds the value to the licensee of  
7 whatever it gets. I mean, that's the absolute constraint  
8 on what they're going to pay. And the antitrust issue, I  
9 think today, is one of excluding people from the market.  
10 I think for the reasons the economists have said,  
11 generally, these kind of devices typically, it seems to  
12 me, actually expand the scope and the dissemination of  
13 the technology rather than restrict it, and so, if  
14 anything, these are really largely a non-event from an  
15 antitrust standpoint. There may be other reasons for  
16 them, but I don't think antitrust really has a valid  
17 basis for attacking.

18           MR. SCHEFFMAN: Short comment, Joe?

19           MR. FARRELL: Yeah. I mean, I'm not sure that  
20 I would agree with the focus on: is the IP holder getting  
21 too much money? It seems to me a more important issue  
22 is, does the structure of these continuing payment  
23 streams, for example, discourage appropriate challenge  
24 and litigation of the patents by specifying that payments  
25 continue even if the patent were to be found invalid or

1 the product non-infringing?

2 Incentives to challenge, we know, are  
3 problematic in any case because of the pass-through  
4 problem that I was talking about earlier. Similarly,  
5 with incentives to settle, we know how problematic that  
6 is. And it seems to me many more problems lurk in that  
7 sort of area than in the possibility that some IP holder  
8 is getting too much money.

9 MR. SCHEFFMAN: Thanks, Joe. Okay, the final  
10 topic is kind of an interesting topic because things have  
11 changed so much with respect to this, which has certainly  
12 parties that engage just in research and not in the  
13 sordid activity of producing goods used to be considered  
14 very good, as opposed to suspicious folks who produce  
15 goods in technology and then license it to other folks.  
16 But now they're increasingly concerned about the  
17 licensing practices of entities that only do research and  
18 create intellectual property and license that.

19 What are the issues there? Are there bona fide  
20 issues here? Joe?

21 MR. FARRELL: Yes. I like the way you set it  
22 up and I think maybe it's no coincidence that the view  
23 has changed, and what else has been changing at the same  
24 time is the extent to which intellectual property  
25 protection is readily given on innovations that, at least

1 according to some smart and informed observers, maybe  
2 should never be given so much protection.

3 So, I propose that we should think about the  
4 non-vertically integrated IP holders issue in the  
5 following way. If the IP were fully legitimate in all  
6 possible senses, then the fact that you're not vertically  
7 integrated doesn't let you extract more than the value of  
8 your technology, so there's really no problem.

9 However, coming back to something that I think  
10 I was saying earlier in a slightly different context. If  
11 what's going on is you have a system where there's too  
12 many IP rights being granted and the market has developed  
13 a safety valve in the form of cross-licensing and similar  
14 things that rely on vertical integration and production,  
15 then having a non-vertically integrated IP holder  
16 represents a blockage at the safety valve. And if your  
17 world view is one in which the safety valve is not  
18 needed, in other words, you intellectually truly presume  
19 that the intellectual property is valid and infringed,  
20 then I don't think you can do a good job of understanding  
21 the concerns about non-vertically integrated IP holders.

22 It seems to me the right way to understand it,  
23 from all I've read and heard, is that cross-licensing and  
24 being able to threaten the other guy the way he's  
25 threatening you are a safety valve that helps the system

1 deal with patents that should never have been issued, and  
2 then having non-vertically integrated IP holders blocks  
3 or gums up that safety valve.

4 MR. ORDOVER: I just want to ask a question of  
5 Joe. How does one know whether the IP should or should  
6 not have been issued? I mean, what's the standard -- I  
7 can understand a certain unease with extremely broad  
8 patents to things that we believe should be somewhat in  
9 the public domain, but --

10 MR. FARRELL: I don't propose to evaluate any  
11 particular piece of IP, if that's what you're asking.  
12 I'm saying, if we believe, as I think there's every  
13 reason to believe, that a lot of pieces of paper with the  
14 word "patent" on them come out that shouldn't come out.  
15 I don't have to identify which they are in order to say  
16 we probably need a safety valve to prevent that doing a  
17 lot of competitive harm.

18 MR. SHAPIRO: I guess I want to mostly second  
19 what Joe said. I mean, just from my experience with a  
20 number of industries and companies, there's real fear by  
21 particularly some of the large companies of the patent  
22 holder who kind of appears after significant sunk  
23 investments have been made, is totally an IP shop or  
24 somebody who purchased the patent from somebody else not  
25 in the industry, and there's virtually no way -- you

1 can't fight back very easily, okay?

2 Now, again, as Joe said, if the patent is  
3 totally legitimate, you know, tough luck, you know, pay  
4 up, I guess. But if you think, maybe there's problems  
5 because it was submarine or it was delayed or there's  
6 hold-up or it was too broad, then you say this is kind of  
7 the horror story where somebody who can seek injunctive  
8 relief against a large revenue stream that may give  
9 returns way out of proportion to any real innovation.

10 You know, I've even seen a situation where a  
11 portfolio was split up and some patents split off to a  
12 third party who had no other commercial interests, so  
13 they could assert it most aggressively against other  
14 industry players. So, I think it's a real, real issue.  
15 Unless you are totally calm about what the PTO is doing,  
16 this is something to worry about.

17 MR. FROMM: I just wanted to say one thing.  
18 There's a -- Joe and Carl apparently believe that it's a  
19 PTO problem. That's not been my experience. I mean,  
20 there are patents that we all know that get issued and  
21 that's what the process is all about, but I think there's  
22 another aspect to it, which is when you're evaluating a  
23 patent that's been granted, there's this presumption of  
24 validity and I can read words and you can read words in  
25 the claims and we can then decide that we don't believe



1 that we're talking about the same thing.

2 It's not the PTO that caused that, it's just  
3 the way the system functions. In other words, the patent  
4 claims, which are archaic at best, aren't as precise  
5 about what they cover as anybody would wish. That's just  
6 the way the system is, it's always been that way and it  
7 probably will be that way even if the PTO were to crank  
8 down the rules on what it allowed.

9 So, what that ends up meaning, as a potential  
10 licensee facing one of these problems, is that you can't  
11 agree what the words mean. So, you might very well agree  
12 that the patent is valid if it was granted, if it only  
13 covered what it was that it was examined on. But often,  
14 that's not what the patentee is arguing. He's arguing  
15 it's covering something that it was never examined on.  
16 Is that the Patent Office's problem? Well --

17 MR. ORDOVER: I think that there's been a big  
18 change in the ratio of these patent claims that are being  
19 upheld in the courts. It's not only a PTO problem, but I  
20 think that 30 years or 40 years ago, if you were to go to  
21 court and try to challenge somebody's infringement of  
22 your legitimate patent --

23 MR. FROMM: Prior to 1981.

24 MR. ORDOVER: '81, yes. Let's say the  
25 likelihood of winning would have been 25, 30, 35 percent,

1 now it's close to 85 to 90 percent. I think that's a big  
2 deal. The PTO does presumably what they do, although not  
3 necessarily always that well. But it's the pendulum that  
4 I talked about a little earlier on which we are now in a  
5 regime in which intellectual property is sacrosanct to a  
6 large extent and that, of course, gives these kinds of  
7 strategic powers to firms whose IP may be very, very weak  
8 or not substantially valuable. But then it goes back to  
9 something that someone else said.

10 If this IP is so valueless, how come it can  
11 create all that mischief? So, you've got to have the  
12 reconcile on these things but maybe that's for another  
13 day.

14 MR. SHAPIRO: Just to clarify. I think -- by  
15 the way, my colleague, Mark Lemley, looked at some of the  
16 data on this and I believe what he found was that after  
17 the CAFC was set up, then the patent holders were doing  
18 better in terms of these statistics for a while. But  
19 then, of course, people adjusted in terms of which cases  
20 got brought and returned to -- I don't know if it was  
21 50/50 or whatever it was, but sort of with a different  
22 recognition of what the underlying property rights were.  
23 So, that's a little different than what you said.

24 MS. BURTIS: I guess that was my question, too,  
25 is I don't -- as much as you may not like it, why isn't

1       this just a situation where the perspective licensee  
2       evaluates the strength of the patent and attacks it if  
3       they don't want what the licensor -- you know, the patent  
4       holder is asking for. I don't see why this is bad from a  
5       societal standpoint.

6               MR. FROMM: Well, it's because of the sunk  
7       investment problem that Carl mentioned.

8               MS. BURTIS: Well, that's due diligence.

9               MR. FARRELL: Only partly because of that.

10              MS. BURTIS: That gives that patent holder more  
11      power and everyone might not like it, but why is -- I  
12      still don't understand, why is that not a legitimate  
13      patent that can't be asserted?

14              MR. FROMM: Well, maybe the question is, why is  
15      that a problem? I think the simple answer is when you  
16      have -- we had a conference call earlier that talked  
17      about two different kinds of non-vertically integrated  
18      organizations, research corporations that actually do --  
19      what I call Fab-less (phonetic) companies, Fab-less  
20      organizations, NIH, UC-Berkeley, Stanford. I mean,  
21      they're not vertically integrated but they really do  
22      research. And so, any dollars that they get on licensing  
23      presumably flow back into research.

24              So, in that sense, if they can extract high  
25      royalties from some third party that flows to researchers

1 at NIH or wherever, that benefits society in about the  
2 same way as if it were kept by the ultimate licensee.

3 But the situation is different when you're  
4 talking about the non-vertically integrated organization  
5 which is not a research company, which is purely a  
6 licensing entity. What does it do with the cash? So,  
7 every dollar you take away from a research entity is --  
8 well, we can quantify it. For every \$250,000 you take  
9 away from a company like H-P, that's one engineer you  
10 fire. It's that simple. That's the economic reality  
11 today. Now, at NIH the numbers may be different, but the  
12 ultimate result is the same. So, the question is, is  
13 there a difference economically? Is there something  
14 wrong with extracting money from a research-doing  
15 organization and giving it to the guy so he can buy  
16 another BMW? Somehow that bothers me.

17 MS. LEVINE: Joe, do you have a response to the  
18 BMW point?

19 MR. FARRELL: Yeah. I don't favor kind of  
20 trying to track the money and assuming that  
21 mechanistically money flowing into certain hands gets  
22 spent on research at the margin, money flowing into other  
23 hands doesn't lead to research. I'm sure there's some  
24 truth to that, but there's also a lot of truth to the  
25 idea that people evaluate the profitability of research

1 plans and will do them if they're profitable or if  
2 they're not profitable, so flow of funds may make less  
3 difference at the margin.

4 But I wanted to come back to what Barbara was  
5 asking which is, so if a patent holder of possibly a  
6 slightly weak patent gets more money, is that a big  
7 problem? And that's kind of what Jeff was responding to.

8 I have a different response, which is, yes, it  
9 is, and the system that we have is one where, as I  
10 understand it, you apply for a patent, you get a piece of  
11 paper that tells you -- patent -- out of the patent  
12 office, if you're at all lucky, and then that's not the  
13 end of the process. The process continues with your  
14 attempting to assert it and demand royalties or cease and  
15 desist from infringing my patent or whatever from others,  
16 and if they think your patent is weak, then they're  
17 supposed to be able to challenge it and if it is judged  
18 weak by the court, it's overturned.

19 The incentives to challenge, particularly in an  
20 environment where the IP holder is licensing a number of  
21 competing entities at comparable terms, the incentives to  
22 challenge, I think, are predictively too weak. If you  
23 have contracts or other practices and arrangements that  
24 further weaken those incentives, then what you get is a  
25 system where this ex post scrutiny of these so-called

1 patents, which was too weak originally, is even weaker,  
2 and so you get more of these what I will tendentiously  
3 call monopoly mark-ups, and that's bad.

4 MS. MATHIAS: Mike?

5 MR. McFALLS: Yeah. I'm largely in agreement  
6 with where I think Barbara is, which is many of these are  
7 legally self-correcting problems to a large extent. If  
8 people are competently counseled and engaging the costs  
9 that they expect in patent litigation and the likelihood  
10 of being enjoined at the end of the day, but it should  
11 illuminate these practices, the practices of some  
12 companies that may come under scrutiny in some industries  
13 that relate to licensing because it may illuminate very  
14 compelling justifications, upper broad cross-licensing,  
15 portfolio cross-licensing in industries like  
16 microprocessors.

17 That said, if we step back for a second and  
18 look at some other industries, I don't think that there's  
19 much question that as a competitive matter, it may be  
20 very useful to have a university with the Cohen-Boyer  
21 patents, jointly owned and jointly licensed to numerous  
22 people, having different incentives than somebody who is  
23 vertically integrated and may not have the most  
24 incentives to license people who are going to compete  
25 with it in the downstream products.

1           Just as we assume that people don't like  
2           creating competition against themselves, and therefore,  
3           generally don't require unilateral licensing to occur --  
4           compulsory licensing -- we also tend to think that people  
5           who are vertically integrated will have less of an  
6           incentive to license, unless, of course, they're faced  
7           with mutual assured destruction.

8           So, when we speak very broadly about non-  
9           vertically integrated patent holders, I think outside of  
10          some industries the record is more positive, even if  
11          there are Lemelsons out there.

12          MS. MATHIAS: Just as a follow-on question to  
13          the non-vertically integrated companies, under what  
14          circumstances -- I mean, we've talked about the pros and  
15          the cons of these, but under what circumstances would the  
16          agencies need to investigate or have any concern about  
17          this or is it just something that is beyond what we can  
18          do?

19          MR. McFALLS: If I could hop in right away on  
20          that. The second part of the questions that you included  
21          sort of had an underlying premise that there are firms  
22          out there that buy up a series of patents which may be  
23          complements in a broad sense, but which may confer some  
24          greater element of market power than any patent  
25          individually would or the patents disbursed among several

1 different firms. I think there you have literally a  
2 statutory hook for looking at that practice beyond just  
3 what would otherwise be a Noerr-protected right to  
4 enforce your patents, which is what precedes patent  
5 enforcement, which is Section 7, Acquisition of Patents  
6 and Exclusive Licenses.

7 And if it is the case that in the absence of  
8 the acquisition, the previous owners of the patents would  
9 have licensed them more broadly or at lower rates, which  
10 may be very difficult to investigate or prove, but may be  
11 worth looking at, and then what you have after the  
12 acquisition is higher licensing fees, for instance. That  
13 like say the Ciba-Sandoz consent may be worth your time  
14 and consideration.

15 MR. SCHEFFMAN: Well, I'll go back to what I  
16 said to begin with. It is funny that -- a lot of what I  
17 heard about the concern about the IP houses used to be  
18 exactly the concern about big companies with big  
19 portfolios getting spurious patents and exerting them  
20 against their competitors or excluding. There was a  
21 whole Congressional hearing about that, about alleging  
22 that that's what Japanese companies do. But it's  
23 interesting that the focus has changed. Maybe there's  
24 not a problem on the former sort anymore.

25 Anyway, we're at the wrap-up. I'll ask the



1 cosmic question -- let me say, again, where I think we  
2 are. We have had enforcement in the areas over the last  
3 10 years in the areas involving standards and  
4 intellectual property and Hatch-Waxman. Those are sort  
5 of garden variety antitrust, don't raise overly complex  
6 IP issues.

7 At the same time, the Nine No-Nos have gone  
8 away in that enforcement program and the law has been  
9 much more relaxed with respect to what it allows in  
10 licensing practices. Have we got the balance right? If  
11 you were an enforcer, should we be devoting a lot more  
12 attention to looking at licensing practices beyond those  
13 involving standards and sorts of things, these general  
14 issues, cross-licensing, grantbacks, those sort of  
15 things, or will private enforcement take care of it or is  
16 the market working it out?

17 MR. SHAPIRO: Maybe I'll start since I'm going  
18 to have to rush out, actually. I think your cosmic  
19 question, it's really too much to ask. I think we can  
20 really see where we are on the overall balancing of too  
21 lax versus too tight.

22 I think it's also a false goal to try to have a  
23 precise list of Nine No-Nos -- or how many yes-yeses did  
24 you want, Janusz? Twenty-three?

25 MR. ORDOVER: An unbounded number.

1                   MR. SHAPIRO: Look, obviously, when the IP  
2 guidelines sought to address these things in a guideline  
3 fashion rather than an enumeration of this is okay or  
4 that's not okay. I would hope the hearings overall would  
5 give an opportunity to at least say something about  
6 issues that weren't fully addressed in the guidelines. I  
7 don't think that they need to be wholesale rewritten but,  
8 you know, there's more issues, things that have come up.

9                   I mean, I guess I feel the balance is  
10 reasonable. It's hard to tell from the DOJ and FTC cases  
11 because there's not that many cases, you know, that are  
12 publicly sort of we know exactly what's going on. I  
13 mean, I could go back and criticize the FTC Intel case  
14 again, but I've already had a sub-career doing that.

15                   One thing you might do, for example, is to  
16 weigh in more on private cases. In a way, sort of  
17 competition advocacy to say, you know, maybe not  
18 necessarily which side is right or wrong, but kind of how  
19 the agencies would address these sort of issues. So, you  
20 can sort of be active in that way so we can get a sense  
21 of the balance. I don't feel anything is out of whack,  
22 but it's a little hard to tell because it really is fact-  
23 based and we need specific cases. We don't have that  
24 many.

25                   MR. SCHEFFMAN: Rick?

1                   MR. RULE: I guess I would say that the balance  
2 seems -- I think it's impossible to say that there's a  
3 perfect balance and that we've got it right now as  
4 opposed to five years or ten years ago. I'd like to  
5 think that maybe, you know, about 14 years ago we had it  
6 right.

7                   **(Laughter.)**

8                   MR. RULE: And it's changed a little since  
9 then. But I think it's hard to say. I think we are  
10 probably closer to the right place than we were at the  
11 time of the Nine No-Nos. I think the approach is a  
12 little more sensible and sensitive and economically-  
13 based.

14                   I think, also, if you look at what has happened  
15 over the last 10 years, I think the courts have done an  
16 all right job in terms of weeding out good claims versus  
17 bad claims. I think there was a time when the pendulum  
18 could have swung back in a way that was potentially  
19 problematic, but I think the courts have done a pretty  
20 good job of preventing that.

21                   So, what's hard, though, to say is, are there a  
22 lot of licensing practices out there that ought to be  
23 challenged but that aren't? You know, it's difficult for  
24 a practitioner to say that because normally if you're  
25 advising your client to do something, you don't think

1       it's a problem and you think it's a travesty of justice  
2       if anybody actually does challenge it. So, you know, the  
3       fact that my clients aren't being challenged right and  
4       left, I think, means that you're getting it right.

5                So, I think that it has moved back. I think,  
6       as much as I hate to admit it, part of it has to do with  
7       the fact that people like Janusz and Carl and Joe and  
8       you, Dave, are more involved in the process than  
9       economists were 30 years ago, and I think that's made a  
10      difference. And generally, I think it's made a  
11      difference because folks have moved to a rule of reason.  
12      So, there are always opportunities to fine tune at the  
13      margin, but I think they are marginal issues as opposed  
14      to really significant ones as have existed at various  
15      times in the life of the antitrust laws.

16               MR. SCHEFFMAN: Janusz?

17               MR. ORDOVER: A quick comment. Of course, I  
18      agree that it's impossible to find the right balance of  
19      those. Obviously, Rick was close. But I think that  
20      really the issue goes to the point that Joe made, and  
21      that is whether or not there is private under-  
22      enforcement.

23               If there is a substantial degree of private  
24      under-enforcement, and indeed, most of these cases do  
25      impinge on business activities of individual firms or

1 groups of firms, whether it's a standard setting  
2 circumstance or infringement or whatnot, if there is this  
3 huge problem of under-enforcement, which there may or may  
4 not be, I just don't know. Then, obviously there ought  
5 to be more involvement from the FTC and the DOJ because,  
6 after all, they are the ones who try to internalize that  
7 externality and deal with it both from the standpoint of  
8 forcing an individual case, but also signaling to the  
9 outside world, which I think is extremely valuable, where  
10 it is that the regulators believe the balance ought to be  
11 struck.

12 I do think that given the amount of time that  
13 has been devoted by the FTC and DOJ to these hearings,  
14 the second release of the IP licensing guidelines would  
15 be a welcomed output at the end of the day. I think  
16 there is a lot of learning that has come since that time  
17 and there are many hard questions that were posed vis-a-  
18 vis the guidelines, and I think that perhaps that may be  
19 a useful way to implement the knowledge that has been  
20 gained by these very fine hearings.

21 MS. LEVINE: Any other final comments?

22 MR. FROMM: I totally agree with Rick that --  
23 you know, it's difficult to know if you have found the  
24 right balance. But I think the agencies do the  
25 industries a lot of good when -- for example, we have the

1 Dell consent decree, that is a tremendously positive  
2 thing in the industry. It short circuits a lot of  
3 discussion. It assists in speeding innovation because it  
4 gives you a guideline about where the limits are.

5 Attorneys are good at trying to push the limits  
6 for their clients, that's what we do for a living, and  
7 it's nice to be able to say, well, at least we have this  
8 guidepost, you know, one concerning Dell. We don't have  
9 very many of them.

10 And so, to the extent that the agencies find  
11 the right vehicle, either through consent decrees,  
12 through becoming amicus or whatever they may do, I think  
13 it is a tremendous benefit for the industry as a whole  
14 and aids competition, even if it only short circuits the  
15 discussion and shortens the period of time while people  
16 are arguing what the licenses are, so they can get on  
17 with the kinds of things that Barbara was talking about,  
18 getting the tools in use, getting the technology in  
19 valuable hands. That is a tremendous thing.

20 And I'm certainly not arguing for the Nine No-  
21 Nos, so we do have to be very careful. But I think we  
22 may have -- the government has a role here which is to  
23 speak on what makes sense most of the time, and -- I  
24 mean, that's the way I read the Dell consent decree,  
25 which is, well, you know, if you do these things, you've

1 stepped over the line. Maybe it's hard to find the right  
2 case, but I think it's valuable for you to keep looking.

3 MR. McFALLS: Just if I could add one thing. I  
4 think the guidelines are fine as is. The cases have been  
5 appropriate, and from what I've seen, the investigations  
6 have been of significant issues that are raised by  
7 ambiguities in the guidelines that redrafting will not  
8 fix. What will fix the ambiguities that exist in the  
9 guidelines, especially in cross-licensing restrictions  
10 and settlements, are having adjudications in front of the  
11 Commission and also in the appellate courts, and I think  
12 that's the way that this field was reconceptualized in  
13 the late '70s and early '80s, and that's what's going to  
14 happen now.

15 MS. LEVINE: Well, thank you for all your  
16 comments today, from all of you panelists. You know that  
17 you have been our grand finale. This is the final day of  
18 public hearings in the nine-month process of our  
19 intellectual property interest hearings and I'm pleased  
20 that we ended with a bang. Thank you very much for your  
21 comments, not just today, but for our returning  
22 panelists, for your comments on previous days. We've  
23 collected a wealth of information through these  
24 intellectual property interest hearings and now it's time  
25 for us to do our job in synthesizing the information.

1                   But we couldn't have done it without you  
2                   and we're very grateful to you for it. Thank you very  
3                   much.

4                   MR. SCHEFFMAN: Just a second. Let me add one  
5                   more thing because she's here. Certainly, the most  
6                   important person in this whole enterprise of nine months  
7                   is here -- back there, I think -- Susan DeSanti, and I  
8                   want to thank her, again, for a splendid effort.

9                   MS. MARSHALL: I'd like to add that the record  
10                  for the hearing is going to be open until November 15th,  
11                  next Friday, so that if you have anything you'd like to  
12                  add on paper, please send it in.

13                  **(Whereupon, at 4:20 p.m., the hearing was**  
14                  **concluded.)**

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## 1           C E R T I F I C A T I O N   O F   R E P O R T E R

2

3           MATTER NUMBER: P0221014           CASE TITLE: INTELLECTUAL PROPERTY WORKSHOP5           DATE: NOVEMBER 6, 2002

6

7           I HEREBY CERTIFY that the transcript contained  
8           herein is a full and accurate transcript of the notes  
9           taken by me at the hearing on the above cause before the  
10          FEDERAL TRADE COMMISSION to the best of my knowledge and  
11          belief.

12

13   DATED: NOVEMBER 14, 2002

14

15

16

17

SONIA GONZALEZ

18

## 19           C E R T I F I C A T I O N   O F   P R O O F R E A D E R

20

21          I HEREBY CERTIFY that I proofread the transcript for  
22          accuracy in spelling, hyphenation, punctuation and  
23          format.

24

25

ELIZABETH M. FARRELL