

1 (10:08 a.m.)

2 THE COURT: Let's get the jury.

3 (Whereupon, the jury returned to the courtroom.)

4 THE COURT: Mr. Johnson.

5 MR. JOHNSON: Thank you very much, Your Honor.

6 THE COURT: Are we missing somebody?

7 JUROR #7: I got shut out.

8 THE CLERK: Sorry about that.

9 THE COURT: Okay.

10 MR. JOHNSON: Thank you.

11 CROSS-EXAMINATION

12 BY MR. JOHNSON:

13 Q. Good morning, Mr. Peterson.

14 A. Good morning.

15 Q. My name is Jeff Johnson, I represent Novell. You
16 were shown that e-mail that you sent to Mr. Bastian, 646.

17 A. Yes.

18 Q. And it is fair to say that that was at a time
19 period when you were on your way out of the company?

20 A. I didn't know it at the time, but I think Bruce
21 -- I think that was in his mind looking back on it.

22 Q. And what you were essentially saying, and what
23 you believed at the time, was that if WordPerfect built a
24 better mousetrap they would be successful, right?

25 A. That they could be successful.

1 Q. Yes. They had that opportunity if they were able
2 to build a good product?

3 A. Yes.

4 Q. Do you recall, sir, that during the late 1980s
5 that Microsoft and IBM, IBM had a development partnership
6 for OS/2?

7 A. Yes.

8 Q. Do you recall that Microsoft and IBM were telling
9 the public that beginning in the second half of 1990, IBM
10 and Microsoft planned to make their graphical applications
11 available first on OS/2?

12 A. I guess I have a vague remembrance of that. I
13 mean I know at some time they said that the application
14 would come first on OS/2. I don't remember the exact date.

15 Q. Okay. And so during the late 1980s, both IBM and
16 Microsoft were encouraging WordPerfect to develop for OS/2,
17 right?

18 A. Yes. There was some dissidence there. Bill
19 Gates was saying end of 1989 that we should develop for
20 Windows.

21 Q. So you were getting some mixed messages; right?

22 A. Yes.

23 Q. Microsoft was really talking out of both sides of
24 their mouth on this subject?

25 A. Yes.

1 Q. You mentioned on direct that WordPerfect had been
2 led to believe that writing for OS/2 was the same as writing
3 for Windows?

4 A. Yes.

5 Q. Can you explain that to the jury?

6 A. I think IBM represented that there would be some
7 mechanism to port applications back and forth. So if you
8 developed for one platform, you could run on both.

9 Q. And hadn't it been the case that Microsoft had
10 promised the WordPerfect developers that it would provide
11 compiler tools that would allow applications written for
12 OS/2 to work on Windows as well?

13 A. I don't know that I would say compiler tools, but
14 they had given us assurances that it would be possible to
15 port the application quickly from OS/2 to Windows.

16 Q. And do you recall that there were actually a
17 whole team of evangelists from Microsoft beating down your
18 doors to write for OS/2 in the late 1980s?

19 A. They were primarily talking to developers. They
20 didn't necessarily beat down my door, but doors in the
21 company, yeah.

22 Q. And just an off chance, do you happen to remember
23 Mr. Cameron Myhrvold?

24 A. Oh, sure.

25 Q. And Cameron was one of those guys from Microsoft

1 that was telling you to write for OS/2?

2 A. Yes.

3 Q. So as a member of the board in January of 1990,
4 it was your opinion that WordPerfect should move resources
5 to writing for Windows, right?

6 A. Immediately, yes.

7 Q. And you really didn't want Windows to succeed,
8 but if they were going to succeed, WordPerfect needed to try
9 to do their best, right?

10 A. Yes.

11 Q. So at some time in the early 1990s, WordPerfect
12 started shifting significant resources over to Windows,
13 right?

14 A. Yes. In May, I believe.

15 Q. Now, prior to Microsoft's release of Windows 3.0,
16 the Windows platforms were not sufficiently developed for
17 WordPerfect to write a word processor to them, correct?

18 A. That was our belief, yes.

19 Q. The first versions of Windows prior to Windows
20 3.0 were really buggy, too buggy for people to actually use
21 and enjoy?

22 A. Those sound like my words.

23 Q. They are, sir.

24 A. Okay.

25 Q. So I assume you would agree with that?

1 A. Yes. There might have been a little hyperbole
2 there, but those -- that definitely sounds like something I
3 said.

4 Q. Now, once you began writing to Windows 3.0, one
5 of the problems WordPerfect had in writing its first
6 application for Windows is that WordPerfect's developers
7 were following Microsoft's rules for developing on Windows
8 and that made the product extremely slow, right?

9 A. For example -- yes. For example, when our
10 version of WordPerfect would come up under Windows, it could
11 take two minutes. And Microsoft's Word would come up in
12 half the time or less. And, of course, that drove us crazy
13 because we wondered if they were doing what they should be
14 and we found out they were taking shortcuts around their
15 prescribed official statements to make their stuff run
16 faster.

17 Q. When you said "they" in that --

18 A. They I mean Microsoft.

19 Q. Microsoft was taking shortcuts that they hadn't
20 revealed to WordPerfect?

21 A. That they, yes, that is right.

22 Q. And, of course, the Utah developers, working for
23 WordPerfect, were very adept at following the rules, right?

24 A. Unfortunately, yes. They were rule followers,
25 yeah.

1 Q. And they followed all of the rules that Microsoft
2 had given them about developing the product for Windows 3.0?

3 A. I don't know if it was each and every one, but
4 they, in general, followed the rules until we saw that it
5 put us at a disadvantage and then we started changing
6 things.

7 Q. So that was one of the things that delayed the
8 release of WordPerfect 5.1 for Windows, right?

9 A. Perhaps. I am not sure about that. I mean there
10 was extra work that needed to be done to speed up the
11 execution, but I'm not sure if that held up the product.

12 Q. Well, it would be fair to say that your opinion
13 is that the delay in developing a first version of
14 WordPerfect for Windows did not really hurt WordPerfect,
15 right?

16 A. I think it would have helped us to have come out
17 sooner, especially if the product would have been as good or
18 better than the one we delivered. But I don't think that
19 the delay made it impossible for us to succeed on the
20 Windows platform.

21 Q. Do you recall, Mr. Peterson, that when you left
22 WordPerfect in March of 1992, WordPerfect still had the
23 largest install base of word processor customers in the PC
24 operating systems market?

25 A. Yes. We still -- I would think over all we still

1 out sold Microsoft in that first quarter. I couldn't be
2 sure.

3 Q. Let me show you what we have marked as
4 demonstrative Exhibit 21. Mr. Peterson, we have made a
5 demonstrative containing IDC data regarding total IBM
6 compatible installed based WordPerfect and Word on Windows
7 in DOS in 1991 and 1992. Do you recall that IDC data was
8 one of those outfits that you could get data from by paying
9 a fee?

10 A. Yes, I recall that acronym.

11 Q. And is it your recollection that in 1991
12 Microsoft Word had a combined installed base on Windows and
13 DOS totalling approximately three million?

14 A. Those -- I didn't track the installed base, but
15 those numbers look realistic to me but those aren't numbers
16 that I had in my head.

17 Q. And in 1991, the WordPerfect's installed base was
18 about double that?

19 A. Yes.

20 Q. And again, if we look at 1992, Microsoft Word's
21 combined installed base was approximately 5.5 million, while
22 WordPerfect's installed base was approximately 8.8 million.
23 Does that sound about right to you?

24 A. It sounds about right.

25 Q. Let me show you -- did you follow fairly closely

1 shipments in revenues between WordPerfect and Microsoft's
2 word processors on Windows and DOS during the period you
3 were there in 1991 and 1992?

4 A. No. I kept track of our numbers. I didn't look
5 that closely at Microsoft numbers.

6 Q. Do you recall, sir, that even in 1992
7 WordPerfect's revenues from word processor software on both
8 of those platforms was equal to Microsoft and its shipments
9 exceeded Microsoft's?

10 A. I didn't have those numbers at the end of the
11 year of 1992.

12 Q. So it would be true that when you left
13 WordPerfect in March of 1992, WordPerfect still had the
14 largest install base of word processor customers in the PC
15 operating systems market, right?

16 A. I believe that to be true.

17 MR. JOHNSON: Thank you, Mr. Peterson.

18 THE COURT: Thank you.

19 Anything further, Mr. Paris?

20 MR. PARIS: Just a couple of very quick questions.

21 REDIRECT EXAMINATION

22 BY MR. PARIS:

23 Q. If you could leave up demonstrative 21,
24 Mr. Goldberg. So just looking at what Mr. Johnson was just
25 asking you about, Mr. Peterson, you compare -- in looking at

1 1992 and I'd even asked you some questions about this, about
2 Microsoft's shipments on Windows versus WordPerfect
3 shipments on Windows, those would be the red portion of the
4 two bars on the right side of the graph; is that correct?

5 A. Yes.

6 Q. And at least by my estimation it would look like
7 Microsoft's share of the Windows base or whatever we're
8 calling it in this demonstrative is about double the size of
9 WordPerfect's? Do you see that, is that fair?

10 A. That is a sad chart.

11 Q. And this is what you were worried about,
12 Mr. Peterson?

13 A. Yes.

14 Q. This was the future, right, it was Windows not
15 DOS, right?

16 A. Windows had a better future than DOS, yes.

17 Q. And it turned out, in fact, that Windows did have
18 a better future than DOS?

19 A. I believe so, yes.

20 Q. Mr. Johnson asked you -- could you take that
21 down. Thank you. Mr. Johnson asked you some questions
22 about OS/2 and about how Microsoft had encouraged developers
23 at WordPerfect to write to OS/2; is that right?

24 A. He did ask some questions and Microsoft did
25 encourage us to write for OS/2.

1 Q. And both Microsoft and IBM were encouraging you
2 to write for OS/2?

3 A. That is absolutely true.

4 Q. Because at the time OS/2 was a joint product of
5 both Microsoft's and IBM's, right?

6 A. Yes.

7 Q. And at some point after that period of time where
8 Microsoft was encouraging you to write to OS/2 that changed,
9 didn't it? Do you recall that?

10 A. Yes. As Mr. Johnson said, they were talking out
11 of both sides of their mouth. And part of the company was
12 saying write for OS/2, part of Microsoft was saying write
13 for Windows.

14 Q. Now, when I'd asked you questions on direct and I
15 think you mentioned this to Mr. Johnson, at some point in
16 late 1989, I think you said October or November of 1989, you
17 had an interaction with Mr. Gates; is that right?

18 A. Yes. I don't remember the exact date, but we
19 were passing through a hall -- through an entrance and he
20 stopped me and said you need to write for Windows.

21 Q. So Mr. Gates told you specifically you need to
22 write for Windows; right?

23 A. That is right. In spite of all of the other
24 people at Microsoft saying he said yeah, you need to write
25 for Windows.

1 Q. So Mr. Gates, the CEO of Microsoft, said write
2 for Windows, right?

3 MR. JOHNSON: I think he answered that question.

4 Q. (By Mr. Paris) And --

5 A. He did. He did. He did.

6 Q. I think so, too. And then a month or two after
7 that, Microsoft gave WordPerfect a beta version of Windows
8 3.0, correct?

9 A. That is true.

10 Q. Okay. And the last point, Mr. Peterson, I think
11 Mr. Johnson asked you some questions about delay and the
12 cause of delay writing WordPerfect 5.1 for Windows.

13 Do you remember being deposed in this action
14 where you were asked questions to that effect?

15 A. Yes.

16 Q. And do you recall what you said?

17 A. I said a lot of things.

18 Q. But I'll give you some guidance. Do you recall
19 saying that it was the board's decisions that caused the
20 delay in WordPerfect writing for Windows?

21 MR. JOHNSON: Your Honor, that's really not a proper
22 use of the deposition. He can ask the question and then use
23 it to refresh if he needs to.

24 THE COURT: It seems to me it was appropriate, but
25 maybe I'm wrong. What do you recall saying?

1 Q. (By Mr. Paris) What do you recall saying?

2 A. As far as the OS/2 delays, I would say part of it
3 was because of what we were hearing from IBM and Microsoft.
4 Part of it was because we wanted to believe OS/2 would win
5 because we didn't want Windows to win. Part of it was
6 self-inflicted, that being we didn't want it to win so we
7 waited. Part of it was a bias towards OS/2 because IBM
8 seemed like the nicer company. So there were a lot of
9 reasons for the delays. And we could have started sooner if
10 we had not waited.

11 Q. And I think you said, Mr. Peterson, just to
12 correct what I think you said, you wanted OS/2 to win
13 because you didn't want Windows to win; is that right?

14 A. We absolutely didn't like Microsoft or any of
15 their products and so we wanted OS/2 to win.

16 Q. And you preferred that IBM would win because you
17 saw it as less of a threat to WordPerfect and you saw
18 Microsoft as a threat to WordPerfect; correct?

19 A. That is correct.

20 MR. PARIS: I have no further questions.

21 THE COURT: Mr. Johnson?

22 MR. JOHNSON: Just one. Do you believe that, Your
23 Honor?

24 THE COURT: Pardon me?

25 MR. JOHNSON: That I only have one question.

1 THE COURT: I will believe it when I hear it.

2 RE CROSS-EXAMINATION

3 BY MR. JOHNSON:

4 Q. Mr. Peterson --

5 A. Yes, sir.

6 Q. -- were WordPerfect customers, the users of
7 WordPerfect, were they a very loyal group to your product?

8 A. I would say they were a very loyal group.

9 MR. JOHNSON: Thank you.

10 THE COURT: I believe it. All right. Thank you very
11 much Mr. Peterson. Next witness? You're finished. I know
12 it is a great disappointment to you.

13 MR. TULCHIN: Your Honor, should we take a moment for
14 Juror Number One who is coughing just to make sure she is
15 okay?

16 THE COURT: I think she is okay.

17 JUROR NUMBER 1: I'm okay.

18 JUROR NUMBER 2: She is just dying but she is okay.

19 MR. TULCHIN: For its next witness, Your Honor,
20 Microsoft calls Professor Kevin Murphy.

21 THE CLERK: Raise your right hand, please.

22 KEVIN M. MURPHY,
23 called as a witness at the request of the Plaintiff,
24 having been first duly sworn, was examined
25 and testified as follows:

1 THE WITNESS: Yes, I do.

2 MR. CLERK: Please be seated. Please state your full
3 name and spell it for the record.

4 THE WITNESS: Kevin M. Murphy, that is K-E-V-I-N,
5 middle initial M, last name M-U-R-P-H-Y.

6 DIRECT EXAMINATION

7 BY MR. TULCHIN:

8 Q. Professor Murphy, to start with, could you tell
9 the jury what your current position is? What do you do?

10 A. Yes, I am a professor at the University of
11 Chicago where I teach in both the graduate school of
12 business and the department of economics.

13 Q. And Professor Murphy, where did you attend
14 college?

15 A. I was an undergraduate at UCLA. I went to
16 graduate school at the University of Chicago.

17 Q. When did you get your degree from UCLA?

18 A. I got a BA degree from UCLA in 1981, I
19 subsequently got a PhD degree from the University of Chicago
20 in economics in 1986.

21 Q. All right. Beginning in 1986, when you got your
22 doctorate, your PhD in economics, what did you do next in
23 your professional career?

24 A. I took a position as an assistant professor at
25 the University of Chicago, Graduate School of Business. I

1 had actually been teaching in the business school a few
2 years before that. I started teaching there, I believe, in
3 1983. But my professor position started in 1986 after I
4 received my PhD degree.

5 Q. And moving forward after 1986, would you tell the
6 jury a little bit about your professional experience?

7 A. Well, I have been at the University of Chicago
8 ever since. In 1986 I became an associate professor and
9 then a full professor. I was then made a chaired professor
10 I had George Pratt Shultz Professorship for a while.

11 I currently have the George J. Stigler Distinguished
12 Service Professor of Economics, I believe, is the title. So
13 I have just kind of been working my way through the
14 University of Chicago since 1980 -- basically since '83, but
15 officially since 1986.

16 Q. What sort of courses do you teach at the Business
17 School and in the Department of Economics?

18 A. In the Business School I teach an advanced micro
19 class which is where the students in the business school who
20 want more advanced treatment of what we call microeconomics.
21 I also teach a public policy class that introduces business
22 students to issues in public policy.

23 And in the Economics Department, I co-teach with Gary
24 Becker, the first half of the year, of the core sequence in
25 economics for PhD students. I also teach a course for

1 second year economic students in the PhD program. So I
2 teach MBAs in the business school, and PhDs in the economics
3 department.

4 Q. And Professor Murphy along the way over the last
5 25 years since 1986 have you published any scholarly
6 articles in the field of economics?

7 A. Yeah, I have published 65, 75, something like
8 that, different articles and chapters and books and things
9 like that in economics.

10 Q. And what -- can you give us some examples of the
11 subject areas that your articles are in?

12 A. Yeah, well, I have kind of done a fairly wide
13 range of things. I have done things in -- I did a lot of
14 work on income and equality and changes in the income
15 distribution in the United States. That was some of the
16 early work on that. I have done recently a lot of work on
17 the value of health and longevity and the economic value of
18 medical research. I have published papers on antitrust and
19 in competition on, you know, just a wide range of areas over
20 the years.

21 Q. And Professor Murphy, have you received any
22 awards in connection with your work in the field of
23 economics?

24 A. Yes, I have really received a number of awards.
25 Two of them would be in 1987 I was awarded the John Bates

1 Clark Medal which at the time was awarded every other year
2 to sort of the most prominent economist in the United States
3 under the age of 40. I then later won a MacArthur
4 Fellowship about six years ago.

5 Q. And what is the MacArthur Fellowship, if you
6 would explain that please for the jury?

7 A. Well, the MacArthur Foundation every year
8 announces I believe it is about 20 fellows across a very
9 wide range everything from academics to business people to
10 people who run community organizations. It is a really --
11 it is a really interesting program that gives grants to a
12 wide range of people for their contributions to whatever
13 field they're in.

14 Q. Is there a commonly used name for the MacArthur
15 Foundation Award?

16 A. Yeah.

17 Q. Don't be too bashful.

18 A. I don't like the name but people do -- people
19 sometimes call it a genius grant, I think. I'm not sure
20 that is really what it means, but that is what people call
21 it.

22 Q. In addition to your current position at the
23 University of Chicago, do you hold any other positions?

24 A. Yes, I'm -- I'm a principal or I think the
25 official title is Managing Director at Navigant Economics.

1 It used to be called Chicago Partners which is a subsidiary
2 of Navigant Economics, N-A-V-I-G-A-N-T.

3 Q. Professor, have you been qualified as an expert
4 in antitrust economics in any prior court cases?

5 A. Yes, I believe I have.

6 Q. How many, roughly?

7 A. I don't know the number. I think I have
8 testified in, I don't know, between five and 10 cases in
9 court. I have been qualified as an expert in economics
10 and/or an expert in antitrust economics in all of those.

11 Q. And can you give the jury any recent examples of
12 assignments you have had in your role as a consultant or
13 advisor?

14 A. Yeah. Actually I just finished working with the
15 National Basketball Players Association in the negotiations
16 with the NBA. Thankfully after two years of excruciating
17 pain, actually finally got a deal done not very long ago.
18 So that is -- that is something off my -- off my plate that
19 I am very glad to have done.

20 Q. And in that dispute, which side were you on in
21 the NBA matter?

22 A. I worked with the Players Association so I
23 represented the players in their negotiations with the
24 owners.

25 Q. Now, in connection with your work in this case,

1 what is your compensation?

2 A. My compensation in this case is \$980 per hour.

3 Q. And Professor Murphy, in general, can you tell
4 the jury what you have done in connection with your
5 assignment in this case?

6 A. Yeah. I guess, you know, we originally just like
7 you do in all of these matters, we started with what were
8 the issues, what was -- what were the questions we needed to
9 answer to understand the claims that have been made in the
10 case. So that involved understanding the marketplace, it
11 involved getting the evidence on what, you know, people had
12 said in depositions and what the documents said, and a big
13 part as an economist is looking at the data, and looking at
14 the numbers to seeing what the numbers and data from the
15 market had to say.

16 You know, we had done prior work in these areas
17 before, so we were able to draw on some of our earlier work
18 in that area. But it is the usual place to start. Start
19 with the questions. The questions tell you the information
20 you need and then you start working your way through the
21 information and do your best to try to answer the questions
22 that are on the table.

23 Q. And Professor Murphy, today I think is November
24 -- sorry, I'm way out of track. The days have been merging
25 together. Today is December 7th. The trial in this case

1 started, I think, on October 17th, 16th?

2 THE COURT: Of what year?

3 MR. TULCHIN: It seems like a long time, Your Honor.

4 But we're getting close. I know we are.

5 Q. (By Mr. Tulchin) And Professor Murphy, in
6 preparation for your testimony here today, have you reviewed
7 any of the testimony that has been given by prior witnesses
8 in this case?

9 A. Yes, I have. I have reviewed a number of
10 different witnesses' testimony in this case and some I read
11 in their entirety, some I read parts of their testimony, but
12 I have been able to read through a number of the witnesses'
13 testimony in this case. Particularly the ones that bear
14 most closely on the areas that I addressed.

15 Q. And is there one in particular that bears most
16 closely on the opinions that you're going to offer today?

17 A. Yeah. You know, for example, obviously Professor
18 Noll's testimony, I read that a couple of times. And I also
19 read the testimony of Mr. Frankenberg and I also read
20 Mr. Gates's testimony. I read through parts of the
21 testimony of some of the WordPerfect developers and people
22 like that.

23 MR. TULCHIN: Your Honor, we offer Professor Murphy as
24 an expert in antitrust economics.

25 THE COURT: Mr. Taskier, any objections?

1 MR. TASKIER: No objections, Your Honor.

2 THE COURT: Okay. The Professor can give his opinion.

3 MR. TULCHIN: Thank you, Your Honor.

4 Q. (By Mr. Tulchin) Professor Murphy, you mentioned
5 Roger Noll a moment ago. Do you know Professor Noll?

6 A. Yes, I do. I have known Professor Noll for a
7 while. Some people I work with were students of his, for
8 example, so I kind of knew him indirectly there. I actually
9 worked with Roger on a project recently actually so we were
10 actually working together on something not too long ago.

11 Q. And in connection with the opinions that you will
12 be offering to the jury today, and in order to do your
13 analysis, did you come to any understanding as to what the
14 relevant market is in this case?

15 A. Yes. Well actually in this case the plaintiffs
16 had put forward a relevant market, and I think you have
17 probably heard about it so far, but it was the market for
18 operating systems for X86 compatible PCs. So I adopted that
19 market definition for purposes of my analysis.

20 Q. And for purposes of that definition,
21 IntelCompatible PC operating systems, is the Apple MacIntosh
22 or the operating system for the MacIntosh within the market
23 definition during the relevant period in this case?

24 A. No, it would not be. At the time at issue in
25 this case, the MacIntosh operating system ran on MacIntosh

1 computers that used Motorola chips as opposed to Intel X86
2 chips. So it would not be in the market as defined in this
3 case.

4 Q. Professor Murphy, again in connection with your
5 opinions, did you come to any understanding as to whether or
6 not Microsoft Corporation had monopoly power in that market,
7 the market for IntelCompatible PC operating systems during
8 the time period relevant to the case?

9 A. Yes, I did. I did conclude that Microsoft had
10 monopoly power throughout the period relevant to this case.

11 Q. And what is your understanding as to what Roger
12 Noll, Professor Noll, said about the same subject?

13 A. I believe he said the same thing.

14 Q. Do you have any view as to whether or not
15 Microsoft's monopoly power in that market arose as a result
16 of pro-competitive conduct or otherwise?

17 A. I think my understanding is that their position
18 in that market arose largely from pro-competitive things
19 that they had done in the past.

20 Q. Such as what?

21 A. For example, they produced an operating system
22 that was successful in attracting a large number of
23 developers. And that really was the key to their success is
24 they had an operating system, originally MS-DOS, that was
25 successful at getting people to write for their platform.

1 And that was kind of their whole concept of what would make
2 them successful was not just what they did, but what they
3 could get other people to write for their platform and
4 really push their market forward. That then carried forward
5 to what they did with Windows. So I think that was really
6 the key to their success was really getting people to buy in
7 and write software for their platform.

8 Q. As far as you understand things, Professor
9 Murphy, do you and Professor Noll agree on whether or not
10 Microsoft's monopoly was acquired lawfully?

11 A. I think we're in general agreement on that. I
12 think we would generally agree that those were the key
13 factors allowing Microsoft to get to the position it was in
14 at the start of the period we analyzed here.

15 Q. Do you have any understanding as to whether the
16 Plaintiff Novell contends that the monopoly was acquired in
17 any way other than a lawful manner?

18 A. I don't believe they're contending that it was
19 acquired in any other way. So I don't think that's a
20 contention in this case.

21 Q. Now, the jury has listened to testimony of a
22 number of experts, I think you're expert number five, but I
23 will call you by name, not number five. And as with other
24 experts, did you ask that certain slides be prepared in
25 connection with your testimony?

1 A. Yes. Yes, I did. In this case and generally I
2 do.

3 Q. And if we could show slide number 301, this is
4 one of the slides. Well let me ask the question, Professor.
5 Is this one of the slides that you asked us to prepare?

6 A. Yes, this is the first slide I asked you to
7 prepare.

8 Q. Right. Forgive the numbering system, we're
9 starting at 301 for reasons that I'm not sure any of us
10 understand. It just is what it is.

11 A. Shouldn't it be 501 since I'm number five?

12 Q. Well --

13 A. You guys have got your own system obviously.

14 Q. Yeah, they didn't tell me what it was. But here
15 we go.

16 What does this slide depict, Professor, and how
17 if at all does it relate to your opinion about monopoly
18 power?

19 A. Well, this is a slide that gives the share of
20 total operating system sales within the PC operating system
21 market as so defined in this case. So Apple is not in here.
22 This would be the share of those that were sold by
23 Microsoft. It would include both Windows and DOS based
24 systems. And as you can see throughout the period,
25 Microsoft's share is never really below 90 percent. They

1 had 90 percent of the market virtually throughout. Now this
2 is -- this is based on the same IDC data that we heard about
3 before. I think we just heard Mr. Peterson talk about the
4 IDC data. Actually the years from 2005 to 2009 are actually
5 predicted because that is when the IDC data we relied on
6 ended. But this is representative of Microsoft's overall
7 position. That was a very large share. You can say they
8 had a dominant position in the market throughout that
9 period.

10 THE COURT: I'm just curious, MacIntosh is now in the
11 market, right? I mean it wasn't then.

12 THE WITNESS: It wasn't. And, you know, I think this
13 is keeping -- this would not put MacIntosh in --

14 THE COURT: It would be lower.

15 THE WITNESS: It would be lower if we put MacIntosh
16 in. It is really not --

17 THE COURT: It is not relevant.

18 THE WITNESS: It is really not that -- it's funny
19 because when MacIntosh came in, but it is still basically an
20 independent system because they don't sell their operating
21 system to be put on other computers.

22 THE COURT: That is fine. And in any event it has got
23 nothing to do with this case, but it has lots to do with my
24 curiosity.

25 THE WITNESS: It is an interesting question about how

1 you would approach things subsequent to their change. It is
2 an interesting question.

3 Q. (By Mr. Tulchin) As long as the Court asked this
4 question, Professor, do you recall when it was that Apple
5 first started using Intel chips for its operating system?

6 A. Somewhere around 2006, something like that. I
7 think that is about right. Sometime in the --

8 Q. But certainly back in the period of the mid to
9 late nineties Apple by definition wasn't in the market as
10 Novell has defined it, correct?

11 A. No. Exactly. That is -- in the period we're
12 talking about, of course, in this case, it is way back on
13 the left of this graph, basically a decade before Apple made
14 the switch.

15 Q. All right. Professor Noll -- I'm sorry,
16 Professor Murphy.

17 A. You and I are going to have to talk.

18 Q. I may do that again. I may do that again. If I
19 do, please forgive me.

20 A. Roger is the one who needs to forgive you.

21 THE COURT: I expect you to make mistakes but not that
22 one.

23 THE WITNESS: We don't even look alike.

24 MR. TULCHIN: Are you keeping track of the number I
25 have made, Your Honor?

1 THE COURT: No. No, no, no. It would be very, very
2 small.

3 Q. (By Mr. Tulchin) Professor Murphy, you asked us
4 to prepare some slides that summarize the essential opinions
5 that you have come to in the case, did you not?

6 A. Yes, I did.

7 Q. Let's look at slide 302. This is entitled
8 Summary of Opinions. And we're going to go through them, of
9 course, in some detail. But could you at least explain to
10 the jury at the outset what these two opinions are?

11 A. Yeah, I would be happy to. Professor Noll really
12 put forward two theories of how changes in development
13 regarding WordPerfect's word processing spreadsheet and
14 suite software could affect competition in the PCOS market.
15 And it is important --

16 Q. Before you go on, there are so many acronyms
17 floating around. PCOS means what?

18 A. PC Operating System market. So -- so I was going
19 to explain. So first of all, the one question you need to
20 ask yourself is well how do I get from here to there?
21 Because WordPerfect's software was applications software, it
22 was word processors, allows you to write documents and it
23 was spreadsheets allowing you to make spreadsheets and
24 calculate numbers. And what this case is about is somehow
25 changes there. Developments in that area have to have an

1 effect on competition between the operating systems. That
2 is the core software that runs the computer. That would be
3 like Windows or OS/2. And so you have two theories of how
4 you got from here to there in some sense. How you made
5 things that affected applications, affect operating systems.
6 So it is not quite clear why that would happen. So there
7 were two theories. One is what I would call, and I think he
8 wouldn't disagree with the name, which is the franchise
9 application theory. And that is the theory basically that
10 said if WordPerfect software was to become very popular on
11 Windows, and if that same software was available on other
12 operating systems, then when people went to move from
13 Windows to another operating system, they would find it
14 easier because they would be able to use their same old
15 software when they got there. So that was what we called
16 the franchise application theory.

17 I'll come back and talk about whether that is going to
18 work or not, but that is the basis of the theory. And so
19 opinion number one relates to that theory. And it says
20 PerfectOffice, WordPerfect and Quattro Pro, would not have
21 been sufficiently popular that their availability on
22 non-Microsoft Operating Systems would have enhanced
23 competition in the PC Operating System market. And if that
24 is not the case, then this theory doesn't hold.

25 And we're going to try to explain why I reached

1 opinion number one. Based on looking at the data, looking
2 at the facts, working our way through, we're going to try to
3 understand how I got to opinion number one.

4 Q. Okay. And before we talk about opinion number
5 two, just to be clear on something, and I think that the
6 jury certainly has this, but the WordPerfect word processor,
7 did that compete in the market for PC Operating Systems?

8 A. No, it did not. That is what I was trying to say
9 before. The WordPerfect software was a way to write
10 documents. It was what an app, what we call an applications
11 piece of software, something that allowed you to write
12 documents.

13 And the allegation in this case is that because
14 that software was delayed in getting to market, that set
15 forth a chain of events that would ultimately mean that
16 there would be less competition in this other place which is
17 competition between Windows and OS/2 and Linux and other
18 operating systems. And, you know, so that is -- that is
19 really the tension there. How do you get from A to B, and
20 we're going to talk about that.

21 Q. And Professor, does your answer there apply
22 equally to PerfectOffice and to Quattro Pro? Those are not
23 operating systems?

24 A. Again, those are application software. And the
25 franchise application theory is the one I laid out a moment

1 ago that those, as a group, would become sufficiently
2 popular on Windows, then it would facilitate people moving
3 to another operating system.

4 Q. Thank you, sir. And maybe we could then move to
5 this summary and your opinion number two. Could you tell
6 the jury please, Professor, what this is about?

7 A. Okay. Now, this is -- this is a separate theory
8 of how you get from A to B. So again, the theory is if it
9 hadn't been, for example, for the withdrawal of the
10 NameSpace extensions, or the not documented NameSpace
11 extensions, the theory goes WordPerfect would have been
12 released, WordPerfect Office or Windows 95 would have been
13 released earlier. Had it been released earlier, it would
14 have been more popular and that greater popularity would
15 have allowed it to then help generate competition for the
16 Microsoft operating system.

17 Again, you have to ask the question, it is not
18 operating system software, how does it generate competition?
19 Well, this is the MiddleWare theory. So the idea of the
20 MiddleWare theory is that WordPerfect's software, in
21 particular WordPerfect, Quattro Pro, PerfectOffice and other
22 software, exposed APIs. I'm sure you have heard the name
23 APIs before, application programming interface.

24 Q probably too often.

25 A. You guys are going to have nightmares about APIs,

1 I'm sure. But the idea was they exposed APIs. And if
2 software developers would write their software to those APIs
3 rather than the APIs in Windows, and those APIs were then
4 also available on other operating systems, then those
5 applications that run on Windows would be able to run
6 elsewhere, again allowing people to move their operating
7 systems from one to another.

8 The key question is, of course, are people going to
9 write to those APIs? Would have people written to those
10 APIs had it not been for the name extension -- NameSpace
11 extension. The answer is in the actual, people didn't write
12 to those APIs. But the theory here is had things been
13 different, it would have been dramatically different, lots
14 of people would have written and it would have had this
15 cascade effect, you know, we know that is the key to their
16 theory.

17 Q. Now Professor, did you examine each prong of the
18 theory that you just described, Professor Noll's second
19 theory?

20 A. Yes, I did. Just like with theory one, we went
21 through it step by step to analyze each prong of the theory.

22 Q. And what is your opinion number two, if you could
23 summarize it for the jury?

24 A. I -- that really it -- it really it turned out
25 there are three criteria they need to meet, and these are

1 actually criteria that Professor Noll himself talked about.
2 We will get back to them later. But it doesn't meet -- the
3 software doesn't meet any of those three criteria, and
4 because it doesn't meet those three criteria, they're not
5 going to -- remember they have to meet all three, if they
6 fail any of them, they're not going to make it. They didn't
7 certainly make all three of them. And therefore, like I say
8 here, based on that, we conclude that Professor Noll's cross
9 platform MiddleWare theory lacks viability. That is, it
10 really isn't consistent with the evidence.

11 Q. Professor, on your slide number 302, the one that
12 we're looking at, there is a third bullet point. Does this
13 set forth areas of agreement or disagreement with Professor
14 Noll?

15 A. This is actually a point I think where we agree
16 100 percent. And that is, under both theories, under both,
17 you know, the franchise application theory and under the
18 MiddleWare theory, the whole story that gets the ball
19 rolling is that the withdrawal of support for the NameSpace
20 extension APIs could not have harmed competition. That is,
21 it needs to -- in order for it to have an effect, it must be
22 the case that absent that event, that is, absent the lack of
23 documentation for the NameSpace extensions, (A),
24 WordPerfect's software would have been released in a timely
25 fashion; and (B), that would have been highly successful.

1 That is sort of what gets the ball rolling under either
2 theory.

3 The way to think about these theories are that
4 delay is the catalyst. That is what gets it started. And
5 then each of these two theories have a different route by
6 which that ultimately affects competition. And what we will
7 talk about later, if you didn't get the ball rolling,
8 obviously the other parts of the theory don't matter because
9 you need to have that delay which starts the whole process.
10 And the evidence is going to be that they wouldn't have been
11 sufficiently popular. But what Professor Noll and I agree
12 on is that is the key part of the story. That the delay is
13 a necessary component of either theory.

14 Q. Let me just make sure I understand this,
15 Professor. Are you saying that without delay, delay in
16 effect is a prerequisite. Before you reach either of
17 Professor Noll's theories, you have to first come to the
18 conclusion that the withdrawal of support for the NameSpace
19 extension APIs would have caused the delay?

20 A. Yes.

21 MR. TASKIER: Your Honor, I think that is leading and
22 it would request a legal conclusion.

23 MR. TULCHIN: It is actually not a legal conclusion,
24 Your Honor, it is a matter of economics.

25 THE COURT: Overruled.

1 THE WITNESS: Let me -- I can explain, yeah. There
2 are actually two steps of that first part. One is --

3 Q. (By Mr. Tulchin) Before you explain the steps, I
4 just want to make sure that the jury understands one point.

5 Was it part of your assignment, in connection
6 with this case, to come to some opinion about whether or not
7 Microsoft's conduct actually caused a delay in the release
8 of Novell's products?

9 A. That is not a conclusion that was for me to
10 decide. I looked at the evidence regarding that and -- and,
11 you know, there is certainly evidence that would suggest
12 that, you know, that that wasn't the cause. But that is
13 ultimately for the jury to decide. The jury is going to be
14 the people who have to decide that there was that delay.
15 What I am saying is as a logical --

16 THE COURT: By the way, that is absolutely right.

17 THE WITNESS: As a logical matter, what you need
18 though is delay is a key component. That is, if the delay
19 didn't happen because of Microsoft's actions, if it happened
20 for some other reason, then the chain of events as a matter
21 of logic doesn't hold together. But it is not just the
22 delay. Because the key component of the theory is absent
23 the delay, the software of WordPerfect would have been
24 substantially more popular. You need that too. Because if
25 it doesn't become substantially more popular on Windows,

1 neither one of these theories is going to carry itself off.
2 So you need not that there was a delay, but that the delay
3 had a substantial effect on WordPerfect's success. You need
4 those two. And then once you have got those two, you need
5 to have one of these two theories fit together and fit the
6 facts.

7 Q. (By Mr. Tulchin) Let's look at slide 303. This
8 was the next one that you asked us to put together,
9 Professor.

10 And can you tell the jury what it is that you are
11 communicating here? This is entitled Additional Problems
12 With Professor Noll's Theories?

13 A. Yes. Before we go through the details of each
14 theory, there is two areas of sort of I think conflict for
15 theory problems that apply to either theory. First of all,
16 theory number one, the franchise application theory, or for
17 that matter theory number two, the MiddleWare theory. One
18 problem they have is both of these theories, as I said a
19 moment ago, rest on the assumption that absent the changes
20 in the NameSpace extensions, the WordPerfect product would
21 have come out earlier and it would have been much more
22 popular on Windows. And as Novell's I think Mr. Frankenberg
23 testified and other people have testified, that would have
24 made Windows even more popular. But by making Windows even
25 more popular and more successful, I think they even said it

1 would have increased Microsoft's share in the market and I
2 would agree with that. If you make products better on
3 Windows, remember how Windows got successful, having good
4 applications, if you make Windows even more successful, that
5 is actually going to tend to make it harder for people who
6 are less likely people are going to want to move to another
7 operating system because they're getting what they want on
8 Windows. And that is a problem for his theory because the
9 very mechanism --

10 Q. Whose theory are you talking about here?

11 A. Mr. Noll's theory. Mr. Noll's theory is, I'm
12 going to make the applications more popular on Windows, and
13 it is going to set forth this chain of events that is going
14 to make people want to leave Windows. But he is forgetting
15 about the fact that making WordPerfect run better on Windows
16 is actually going to draw people towards Windows. They're
17 going to say wow, I get what I want on Windows, why would I
18 want to go somewhere else. So there is actually a tension
19 there. And Mr. Frankenberg went so far as to say in fact
20 had he been able to release his product on time, Windows
21 would have been more popular. And he said Windows share
22 would be even larger than it was. Which makes it hard to
23 argue that being successful on Windows would lead people to
24 leave Windows and go elsewhere potentially.

25 Q. Professor Murphy, I think you just covered the

1 first bullet point on your slide 303. What do you mean by
2 the second one? You say, "In the absence of an effective
3 operating system competitor, Professor Noll's two theories
4 of harm to competition in the PC Operating System market are
5 untenable."

6 A. Basically both theories rely on the fact that
7 what happens is you make WordPerfect work better on Windows,
8 that makes WordPerfect more successful, that then gives
9 people through these indirect mechanisms an incentive to
10 move elsewhere. But, of course, in order to make that work,
11 there have to be good opportunities to go somewhere else.
12 There have to be other operating systems that are
13 sufficiently attractive that having WordPerfect being able
14 to move over or having the APIs available, makes people want
15 to go there. In other words, there has to be something to
16 draw them over.

17 And the biggest problem with that theory, is
18 during this period of time there were no real strong
19 competitors out there to take the business away from
20 Windows. In particular, OS/2, by that time, was not very
21 successful. Linux, while it was successful in servers and
22 other areas, was not very successful and really just started
23 as a desktop operating system.

24 Q. I just want to interrupt you. Is the market for
25 server operating systems part of the relevant market as

1 Plaintiff Novell defined it?

2 A. Not in this case it would not be because this was
3 about desktop operating systems.

4 Q. So Linux being successful on servers, does that
5 have any bearing on this point about effective competitors
6 in the market as defined in this case?

7 A. Not directly. I mean Linux was served both
8 markets to some extent, it was available to servers and
9 available for desktops. But the competition we're talking
10 about here, this competition would be the operating system
11 that is on my desktop in the office, on my desktop at home.
12 That is the -- what they sometimes call the client operating
13 system.

14 Q. Professor Murphy, before we get into the details
15 of your two opinions that we have looked at in slide 302, I
16 want to ask you this: For purposes of rendering your
17 opinions about the viability of Professor Noll's two
18 theories, did you assume, for the sake of discussion, that
19 Microsoft's decision in October 1994 was anticompetitive?

20 A. Yes, I did. I assumed that it was
21 anticompetitive in the sense that I assumed that it -- that
22 the delay occurred and I assumed that that would have some
23 effect on WordPerfect's success. And I analyzed the
24 question of whether in fact that would ultimately lead to a
25 reduction in competition.

1 Q. So am I right that it wasn't your role in this
2 matter to examine whether or not Microsoft had business
3 justifications for the decision to withdraw support for the
4 NameSpace extension APIs?

5 A. I did not address that question. I'm not going
6 to address that in my testimony. My testimony is going to
7 be that assuming that they did this, assuming it caused the
8 delay, what would the impact have been. Then when you said
9 I assumed it was anticompetitive, I don't think that is
10 exactly right. I think what we would assume is that it had
11 that effect. It had the effect of creating a delay. And it
12 wasn't -- I am not assuming it was justified by some other
13 action. I think what we're ultimately going to try to
14 determine is whether it reduced competition in PC operating
15 systems. That is what we're going to try to figure out.

16 Q. Let's look at 304, your slide number 304. And
17 you asked us to put together this excerpt from Professor
18 Noll's testimony. Do you see that, sir?

19 A. Yes.

20 Q. And does this bear on this question I was asking
21 a moment ago about whether Microsoft had justification?

22 A. Yeah, I believe this is a questioning that I
23 think you did of Professor Noll. And you asked him whether
24 in fact there is some cases where there is a legitimate
25 reason to leave APIs undocumented. And I think Professor

1 Noll agreed that, for example, in the case where those
2 documents, those APIs and those APIs were unstable, would be
3 a reason for not documenting them.

4 Q. Yes. And Your Honor just to make this clear, the
5 court reporters have been great, but we actually added the
6 word "documenting" after "commenting" because I think that
7 was what said.

8 THE COURT: I'm sure that is what was said.

9 MR. TULCHIN: I just want to make clear that was sort
10 of our addition to the transcript the word documenting.
11 Professor, in light of the fact that you're not addressing
12 in your opinion of whether or not there was --

13 THE COURT: Do you want to object, Mr. Taskier?

14 MR. TASKIER: I do, Your Honor.

15 THE COURT: Sustained. Just take the slide down. He
16 is not addressing that.

17 MR. TULCHIN: All right, Your Honor.

18 THE COURT: I expected the objection before.

19 MR. TASKIER: I was trying not to be too obtrusive.

20 THE COURT: That's right, just trying to be a nice
21 guy.

22 Q. (By Mr. Tulchin) Okay. Professor Murphy, excuse
23 me, for purposes of Professor Noll's first theory of what
24 you called the franchise applications theory, is it
25 necessary to discuss what has been called earlier in the

1 case the applications barrier to entry?

2 A. Yes, it is. In fact for discussing either theory
3 I think starting with the applications barrier to entry, as
4 it has been called, is really necessary because it is really
5 the underpinnings of both theories. It is really what both
6 theories are based on.

7 Q. Professor Murphy, can you describe for the jury
8 what the applications to barrier -- applications barrier to
9 entry is?

10 A. I assume you have heard this before so I'll try
11 to keep it brief. The basic idea of the applications
12 barrier entry really comes from two simple facts. Users of
13 computers like operating systems that support lots of
14 applications. Makes sense, right? If I buy a computer, I
15 want to be able to do lots of stuff. That is the whole idea
16 of a computer, it's not like a toaster. It doesn't just do
17 one thing. It allows me to do lots of things. Certainly
18 likes lots of applications. So that is number one.

19 On the other side of the market, people who write
20 software like to have access to lots of customers. So if
21 you get an operating system that is able to get lots of
22 software written for its operating system, that allows it to
23 gets lots of customers who want to use that operating --
24 that software, which then, of course, encourages people to
25 write even more software for that platform because that is

1 where the customers are. And then the customers say I want
2 to go to that platform because that is where the
3 applications are. And that is the applications barrier to
4 entry.

5 It is really pretty simple. Customers want
6 applications, developers wants customers. And if you get an
7 operating system that is able to bring those two together,
8 it becomes attractive to both. And that makes it hard if I
9 want to compete against it to get people to leave because
10 they like where they are. Customers are getting what they
11 want, lots of applications; developers are getting what they
12 want, lots of customers. And that is the applications
13 barrier to entry.

14 Q. How does that barrier arise?

15 A. Well, it kind of grows. I mean it is sort of
16 this -- you can think of it as a reinforcing process. You
17 get some -- you start out, you get some good applications,
18 get a large number of applications going, that allows you to
19 get some more users. As you get more users, you get more
20 applications. As you get even more applications, you get
21 more users. And it sort of snowballs itself up to the point
22 where you have a very successful platform.

23 Q. In this case does the word barrier have any
24 connotation of any sort of anticompetitive conduct?

25 A. No, I don't think it does. I think that the word

1 barriers kind of has that connotation. But as you can see
2 from what I just described, what makes it effective, what
3 makes the applications barrier to entry something that is
4 important, is the fact that fundamentally it is providing
5 the value to the two sides of the market. That is really
6 what it is.

7 Q. And in your review and analysis did you conclude
8 that the applications barrier to entry, as it pertained to
9 the PC operating system market, came about as a result of
10 the competition between sellers of operating systems?

11 A. I think that is how it came about. And there was
12 -- there was competition for two things. Operating systems
13 compete to attract users, and they compete to attract
14 developers, the people who write the software. And the
15 applications barrier to entry grew about because the
16 Microsoft platform was very successful in doing both. It
17 was very successful in getting developers to write software,
18 and very successful in getting consumers to move to the
19 platform creating that, you know, positive feedback it is
20 sometimes called.

21 Q. And how does the applications barrier to entry
22 pertain, if it does at all, to Professor Noll's first
23 theory, the franchise applications theory?

24 A. Well, a key aspect of the applications barrier to
25 entry is what makes a platform or operating system

1 successful is not just having a few applications. Because
2 if it was just a matter of having a few applications, it
3 would be easy to go over the applications barrier to entry,
4 you would just get people to write a few applications,
5 people would then come to your platform and you would be
6 able to, you know, grow and win over the market.

7 The applications barrier to entry is about having
8 a large barrier, large number of applications. Remember it
9 is not like a toaster, it doesn't just do one thing. I want
10 that operating system to support all of the things that I
11 want to do today, things I might want to do in the future,
12 you know, all of the different things that you can do with a
13 computer. And so the applications barrier to entry is about
14 having lots of applications. And that is in conflict with
15 the franchise applications theory. Because Professor Noll's
16 franchise application theory is well if WordPerfect was more
17 popular on Windows, and if WordPerfect were also available
18 on other operating systems that have far fewer applications,
19 that is going to make those people willing to move to those
20 other operating systems. The problem, of course, is the
21 application barrier to entry is about lots of applications,
22 not just a few. And so it is very hard to see, and really
23 inconsistent with the basic theory of the applications
24 barrier to entry, that a small number of applications could
25 make such a large difference in people's willingness to

1 shift because it is contrary to the whole theory. People
2 talk about Windows advantage being it has tens of thousands
3 of applications, not having a few applications.

4 Q. Professor Murphy, the jury has heard weeks and
5 weeks ago about findings of fact entered in a case in the
6 District of Columbia. I think Mr. Taskier was kind enough
7 at the outset to read a number of these.

8 In connection with this subject, are there
9 findings of fact binding on both parties in this case that
10 you believed pertain to or are relevant to the view that you
11 just gave about the applications barrier to entry?

12 A. Yes, there are a couple.

13 Q. Could we put up slide number 305. And could you
14 tell the jury what this is and why you are showing it to
15 them?

16 A. Okay. This is findings of fact 37 from the
17 District of Columbia case that discusses essentially what I
18 just said to you in different words. And it talks about the
19 consumer interest in the PC operating systems derived
20 primarily from the ability of that system to run
21 applications. That is the obvious. And then it goes
22 through and talks about all of the things we just said.
23 That people want things that will do what they want, not
24 just what he wants to do today, but what people may want to
25 do in the future. They don't just want one version of an

1 application, they want to have a choice in case they don't
2 like one they can get a second one that they get to choose.
3 So it is not about just having one type of application or
4 even one version or one seller's version of that
5 application, it is about having that broad choice.

6 And the highlighted part you can sort of see
7 reinforces what I just talked about. That the fact that a
8 vastly large number, not a few, but a vastly large number of
9 applications are written for Windows than for other PC
10 operating systems, attracts consumers to Windows because it
11 reassures them that their interests will be met as long as
12 they use Microsoft's product. So that is the finding that
13 is basically saying what I said before about having lots of
14 applications. And if you look at the middle part of this
15 finding, it talks about having them in lots of categories,
16 so not just one category. Even within a category, having
17 more than one choice is important. So they didn't want to
18 go to an operating system where there is only one office
19 productivity application, they liked having two, three,
20 whatever it is. If they don't like one, they can move to
21 the other. So this finding of fact I think is very
22 relevant. It captures much of the same things that I just
23 talked about a moment ago.

24 Q. And then let's look at the next slide, Professor,
25 number 306. This is another one of those findings of fact.

1 And why was it your view that you should show this one to
2 the jury in connection with your testimony about the
3 applications barrier to entry?

4 A. I just wanted to show that in fact the dynamics I
5 was telling you about before, the positive feedback, getting
6 more customers means more developers, getting more
7 developers means more customers. That is exactly what
8 number 39 discusses. It talks about this positive network
9 or feedback effect where you get a lot of customers it
10 implies a lot of ISVs. Those are the software developers,
11 independent software --

12 THE COURT: Vendors.

13 THE WITNESS: -- vendors, sorry. Thank you. Software
14 vendors to write applications first and foremost to Windows
15 thereby ensuring a large body of applications for which
16 consumers can choose. A large body of applications thus
17 reinforces the demand for Windows. When I say demand for
18 Windows, I mean on the part of consumers. Now they have
19 lots of applications, they want lots of -- consumers want
20 to use Windows. And that is the cycle we just talked about.
21 So it is in the findings, not just in the discussion I put
22 forward.

23 Q. (By Mr. Tulchin) And how do these two slides,
24 these findings of fact and your testimony on this subject,
25 relate to Professor Noll's first theory, the franchise

1 applications theory?

2 A. Well, it certainly is a problem for his theory, I
3 think it causes a lot of doubt about his theory. Really
4 inconsistent with his theory because, again, he is talking
5 about a theory in which if WordPerfect were more popular,
6 that that would be enough to cause this -- this reinforcing
7 applications barrier to entry breakdown. And the problem is
8 the applications barrier entry is about this broad selection
9 of applications. It is not about more people being willing
10 to move for a particular application and that is a major
11 source of inconsistency.

12 Q. Now, is it your view, Professor, in connection
13 with Dr. Noll's theory that the availability of WordPerfect
14 or PerfectOffice or Quattro Pro, all three of them, early
15 on, and on other operating systems, could have diminished or
16 threatened to destroy the applications barrier to entry?

17 A. There is several reasons that it wouldn't. One
18 of them is the one we just talked about, okay. If we're
19 talking about a narrow slice of applications when operating
20 system choices are made on the basis of the broad section of
21 applications. A second problem that he has is that -- it is
22 not enough that WordPerfect would have been a little more
23 popular. And I think we'll talk about, you know, the actual
24 data. Again, it is nice to tell a story, but it is good to
25 look at the data and ask would this have been something that

1 would have changed operating system competitions. So we're
2 going to ask the question, you know, how much popular would
3 they have been, and would that be enough, even ignoring
4 these other problems we just talked about.

5 Third, we can actually look at the actual
6 history. And, in fact, there were quite a few cross
7 platform applications, for example, that existed on OS/2 and
8 on Windows in the early years. WordPerfect was available,
9 Word was available, there were lots of cross platform office
10 productivity applications. And yet the applications barrier
11 to entry still seemed to work in that case as well.

12 Q. And I think you just said in your last answer you
13 were giving the third reason I think why you -- the third
14 reason in that answer as to why you thought Professor Noll's
15 franchise applications theory doesn't work, am I right?

16 A. Yes.

17 Q. And part of that -- part of that third reason you
18 said something like there were plenty of cross platform
19 applications in the early years. Is that what you said?

20 A. Yeah, there were.

21 Q. What time period are you talking about?

22 A. We're talking early nineties. In the early
23 nineties when there was, you know, when OS/2 and that period
24 during which you had Windows and OS/2 and, you know, in fact
25 OS/2 had the ability to run lots of Windows applications.

1 Q. Okay. We're going to come back to the second
2 reason. The first reason you gave was that three
3 applications, PerfectOffice, WordPerfect and Quattro Pro,
4 aren't enough to break down the applications barrier to
5 entry almost by definition. Is that a fair way of putting
6 it?

7 A. Yeah, that is correct. That is the one we have
8 already talked about.

9 Q. And in that connection you looked at these two
10 findings of fact?

11 A. Yeah, finding of fact as well as just the
12 underlying economics of where the application barrier to
13 entry comes from.

14 Q. And on the third theory, and we're going to skip
15 the second just for the moment and come back to it, the
16 third reason I should say, on the third reason you pointed
17 out that early on in the early nineties there were plenty of
18 cross platform applications. And what happened during the
19 early nineties, did the existence of these cross platform
20 applications somehow spark extra competition between
21 operating systems?

22 A. Well, I think it didn't cause a large number of
23 people to leave Windows. I think that is the easiest way to
24 think about it.

25 Q. And let's go back to your second reason. Could

1 you tell the jury again what that is?

2 A. The second reason is if you look at what was
3 going on in the marketplace at the time, and ask yourself
4 the question, remember this franchise application theory
5 rests on the idea that if WordPerfect's applications were
6 more popular, there would be a large group of people who
7 would then be able to shift to another operating system. So
8 one thing you want to ask yourself, what does that look
9 like? What does the data tell you about that? So I
10 prepared some slides about that.

11 Q. Let's look at them. Slide 307. Can you tell the
12 jury what this is, Professor, and how it is relevant to the
13 point that you just made?

14 A. Yes. This is looking at the share of word
15 processing software for Windows over time from 1989 to 1996.
16 And in particular, I want to focus you in on WordPerfect's
17 share, okay. So WordPerfect really wasn't in the market at
18 all, this is what Mr. Peterson talked about earlier today.
19 They weren't in the market at all in '89 and '90. They came
20 into the marketplace later in '91 into '92, and their share
21 peaked at about 30 percent in 1992.

22 And their share was actually declining. And
23 remember, the NameSpace extensions come out at the end of
24 '95. That is when they would have had an effect. So
25 WordPerfect's share had been declining for several years

1 already. So even if they would have gone back to where they
2 were, or stayed on their own trend, we're still talking a
3 fairly low number of people based on the recent evidence
4 would be using it. Because remember the NameSpace
5 extensions can't be the reason why the WordPerfect share was
6 down there in '93, '94 and even the first part of '95
7 because Windows 95 hadn't even come out yet.

8 So even if they were able to get back to that
9 share, you're talking, you know -- you know 20 percent, 10
10 percent of Windows users. But then that is of people who
11 use a word processor. Lots of people didn't have office
12 productivity applications. Like roughly half of the
13 marketplace didn't have office productivity applications.
14 So as a share of all Windows users, you have got to cut that
15 number in half again. So that the difference between what
16 they actually got in '95, and what they might have got, is a
17 few percent of Windows users.

18 So ask yourself, if a few percent of Windows
19 users had access to a few extra applications that they could
20 move to another operating system, how was that going to
21 affect competition between operating systems? Right?
22 You're moving a few applications for a few people. That is
23 a very small effect, very -- something that isn't going to
24 cause a change in operating system competition.

25 Q. Professor, before we leave this slide, and

1 looking at the WordPerfect line, that is the one in red
2 obviously, right?

3 A. Yes, it is.

4 Q. Okay. And this is, just to be clear, this is the
5 market share of word processing software written for the
6 Windows platform, correct?

7 A. Yes, it is.

8 Q. And where did you get the data that is depicted
9 on this slide?

10 A. It came from the IDC reports, which is the same
11 reports we have heard about I think the third time already
12 today, and I assume you have heard about before. So this is
13 the usual source within the industry for looking at sales.

14 Q. All right. And I think you were saying a moment
15 ago, let's just look at 1994, WordPerfect's share of the
16 word processing market written for the Windows platform was
17 it looks like a little less than 25 percent; is that right?

18 A. Yeah, it was in the low 20s and going down. It
19 had been falling for two years since introduction of the
20 version Mr. Peterson talked about.

21 Q. Now, Mr. Gates's decision to withdraw support for
22 the NameSpace extension APIs was made in October of 1994;
23 correct?

24 A. It was made in October of '94, but any effect
25 wouldn't have come until after Windows 95 came out which

1 would have been the last part of '95.

2 Q. Is that what you say or is that according to
3 Professor Noll and Novell or maybe all of them?

4 A. I think -- I think there is pretty much agreement
5 that Windows 95 came out in August 1995.

6 Q. So the decision to withdraw the NameSpace
7 extension APIs could not have affected WordPerfect or
8 Novell's market share in '93 or '94 certainly, correct?

9 A. That is correct.

10 Q. Or even in '95 before August?

11 A. It would not have had an effect, and unless they
12 would have come out -- come out with their product in
13 August, it wouldn't have had an effect up until the date
14 that they would have come out which presumably would have
15 been after that any way. So August is the earliest
16 possible.

17 Q. Thank you, sir. Now, this is only the Windows
18 platform. You put together a slide that includes Windows
19 and DOS, correct?

20 A. Yes, I did. Because as I think the jury heard
21 earlier today, WordPerfect was far more successful on DOS,
22 so I put that in there.

23 Q. Let's look at 308. Now can you tell the jury
24 what this slide depicts and what is the significance,
25 Professor, as an economist to putting together this market

1 share for these two platforms?

2 A. Well, I think it gives you, you know, because
3 there was several things going on at the same time, there
4 was -- there was what was going on in the competition
5 between word processors on Windows, there was a market shift
6 going from DOS to Windows. And as we'll see in a moment,
7 there was also a shift going from individual products to
8 suites. So we had three things going on. This allowed at
9 least allows us to take account of that shift from DOS to
10 Windows.

11 Q. Okay. And what does it show with respect to
12 WordPerfect's market share in the combined markets for
13 Windows and DOS in the same period that you were referring
14 to '92, 3, 4 and into 5?

15 A. Well, I mean first of all it makes obviously
16 WordPerfect's share even larger because they were more
17 successful on DOS than they were on Windows so you have a
18 larger share when you put them together. But in terms of
19 that decline that started in 1992 and carried itself
20 forward, and the fact that that decline had already begun
21 before we got to '95 and the late part of '95, it is clear
22 that was going on here, too. WordPerfect was already losing
23 ground from 1992. And that can't be the NameSpace
24 extensions because they haven't even come out. That is not
25 the issue.

1 And it was these other changes in the marketplace
2 that were driving WordPerfect down. So even if they had
3 kind of kept on their path that they were on, it was not
4 going to fill this franchise application theory because
5 we're talking about a relatively small fraction of overall
6 operating system users that would have potentially been
7 affected.

8 Q. Well Professor before we turn to spreadsheets and
9 suites and look at that data, let me ask you this. You just
10 said in your prior answer if they had kept on that same line
11 downward, assume with me just for the sake of discussion
12 that WordPerfect's market share in '95 and '96 would have
13 gone up somewhat had it not been for the decision to
14 withdraw support for the NameSpace extension APIs, let's say
15 it had gone back up to somewhere in the 40 percent range,
16 would that be sufficient to satisfy Professor Noll's theory
17 that the popularity of WordPerfect might have somehow
18 sparked competition in the PC operating system market?

19 A. I certainly -- economics would say no and I would
20 say why, number one, we're still talking about a relatively
21 small number of applications out of the many applications
22 that affect the application barrier to entry. We're also
23 talking about still a relatively small fraction of all
24 Windows users. Because a 10 point change here (indicating)
25 is 10 point -- is 10 percent of the people who were using

1 office productivity applications. But that is more like a
2 five percent or less change in the total number of Windows
3 users because there is lots of Windows users who aren't
4 using any of these products. And so you have a small number
5 of applications for a small number of users, that is not
6 going to get you to the -- to the franchise application
7 theory.

8 Q. Professor, let's look at the chart that you put
9 together for spreadsheets. That is 309. And again, where
10 does the data come from that for all these charts? I mean
11 is this your data or where did it come from?

12 A. It is still coming from IDC. All these charts
13 are going to be from IDC. If there is one that is not, I'll
14 let you know.

15 Q. Okay. Thank you, sir. Now slide 309 is entitled
16 Market Share of Spreadsheet Software for the Windows
17 Platform. And I notice that in the early years, '88, '89
18 and '90, Microsoft has 100 percent of that market,
19 spreadsheets for Windows. What is going on there?

20 A. That is because Microsoft's products were the
21 only ones available. As we talked about before, Lotus who
22 had their 1-2-3 product and other developers had not
23 developed spreadsheet applications for the early versions of
24 Windows. Lotus is the first one to come out, comes out in
25 1991, and gets in the upper teens in terms of the share of

1 market. So '91 is the first one. Borland comes out in '92,
2 picks up around five percent of the market. So they were
3 able to take some of the market away from Microsoft.

4 But again, and this case started around 1993, we
5 again see and this is again before the NameSpace extensions
6 and any of that, we see already Lotus losing share,
7 Microsoft picking up share, Borland and Novell were never
8 really large sellers of the spreadsheet software. They were
9 always relatively small. So even as we said in the
10 franchise application theory, even if they got back to where
11 they were, those early years that is not very far.

12 Q. Now, we put together a chart that showed market
13 shares for the Windows and DOS platform together, correct?

14 A. Yes. It is the same thing we did when we did it
15 for word processors.

16 Q. Right. So let's look at that. This is
17 spreadsheets market share for the two platforms combined.
18 Do you see that, sir?

19 A. Yes, I do.

20 Q. Now, the jury has heard a lot about Excel in this
21 case, but just to explain one little thing if we could, the
22 blue line upwards, that is Microsoft's share?

23 A. Yes, it is.

24 Q. And what is multi-plan? You have some reference
25 there to something called multi-plan?

1 A. That was a Microsoft spreadsheet program that
2 they had before they had Excel.

3 Q. Was that written to DOS?

4 A. I believe it was. It wasn't that successful. I
5 think as Mr. Peterson said, Excel was really a key product
6 for Microsoft. It was very successful. Originally on the
7 Mac, it was very successful on the Mac, and subsequently
8 very successful on Windows.

9 Q. And, of course, the Mac is not part of these
10 charts because as you said earlier, for purpose of the
11 market definition that Novell provided and you assumed, it
12 is not in this market?

13 A. That is correct. But from an economic
14 standpoint, the fact that the Excel software was so
15 successful so the Mac, which was also a GUI or graphical
16 user interface product, I think tells you something. I mean
17 Excel was an exciting product from the point of view of
18 consumers.

19 Q. All right. Well, before we go through this
20 chart, let me just follow up on that. You said from the
21 point of view of I think economics the success of Excel on
22 this other platform, the Apple MacIntosh, tells you
23 something. What does it tell you as an economist?

24 A. Well, it tells me that Microsoft produced a
25 product that was attractive to consumers. That they were

1 consumers on the Mac adopted both Excel and Word as far and
2 away the most popular in their categories on a Mac.
3 Microsoft was much more successful than WordPerfect on the
4 Mac. Microsoft was much more successful than Lotus and
5 spreadsheets on the Mac. Microsoft's software on the Mac
6 was very successful. Its office software, I think, has been
7 the most popular software for the Mac for a long period of
8 time.

9 Q. Starting when, do you remember?

10 A. Way back in this early period. Way back in these
11 days. I mean it was very successful on the Mac really
12 before it was a big factor on the PC operating systems.
13 And, you know, the experience -- I think one way to think
14 about it economically is the experience that Microsoft
15 gained writing for the Mac platform which was a Windows-like
16 platform, a GUI type platform, I think was very helpful to
17 them.

18 Q. All right. Let's go back to number 310. This is
19 -- this shows you market shares. Now again, the red line is
20 Quattro Pro, during the time that it was owned by Borland
21 and then by Novell. How does the market share figures for
22 Quattro Pro, how did that pertain at all to the franchise
23 applications theory that Professor Noll advanced and that
24 you have given your opinion about?

25 A. Well, I think what this tells you is that they

1 had never been franchise applications even in the past.
2 They had not been applications that they were sufficiently
3 popular, that they would drive people to say boy, I will
4 move to another operating system because they have this one
5 I'm using. But if you look at it, even at their peak only
6 about 10 percent of spreadsheet users are using Borland, are
7 using the Quattro Pro product. But more importantly, by the
8 time you get to '94, it is a very, very small fraction of
9 people that are using this product.

10 So even if it was able to maintain or even
11 increase somewhat, that popularity, that is a very small
12 number of users. Certainly a small number that would have a
13 hard time having any impact on operating system competition.
14 It is just not going to change the dynamics of the overall
15 market's willingness to move to another operating system and
16 away from Windows.

17 Q. And let's look at slide 311. Now, this is a
18 slide that you put together, Market Share of Office Suites
19 for the Windows Platform; correct?

20 A. Yeah. Again, this is IDC data.

21 Q. Right.

22 A. This is looking at suites now.

23 Q. This is looking at suites. Now, is this slide,
24 the one that pertains to suite, suites, of any particular
25 importance as you get into '94 and '95 or beyond as it

1 pertains to Professor Noll's theory?

2 A. Yeah, again the franchise application theory is
3 that a sufficient number of users would be using the
4 WordPerfect suite in this sense, in this case, that that
5 would then make it much more likely that people would shift
6 over and adopt an alternative operating system and therefore
7 breakdown the applications barrier to entry. And as you can
8 see here, there were really low numbers. And that has a
9 particular significance, that is the red line is way down
10 there, and that has really particular significance because
11 the market was moving more and more to buying things in
12 suites. People were moving to buy in a suite rather than
13 individual products. So that movement towards Windows
14 wasn't helping WordPerfect's and Borland's products. The
15 movement towards suites wasn't helping them. All of those
16 things were really limiting their ability to serve this
17 franchise application hole.

18 And, in fact, when you look at the overall numbers of
19 suites, there is just -- I don't see how one can argue that
20 something in that range could be a franchise application
21 that would induce people to then be sufficiently more
22 willing to move to other operating systems that the
23 operating system marketplace would somehow be transformed.
24 It just -- the numbers just don't add up.

25 Q. Professor Murphy, assume with me just for the

1 sake of our discussion that the decision in October 1994 to
2 withdraw support for the NameSpace extension API had caused
3 a delay in the release of PerfectOffice, and assume with me
4 also for discussion that if PerfectOffice had been able to
5 come out sooner, let's say in September or October, just for
6 the sake of discussion, 1995, that PerfectOffice's market
7 share would have been double or triple the market share it
8 actually got, maybe it would have been 15 percent of the
9 market.

10 What impact would that have on this theory that
11 PerfectOffice, had it been more popular, could somehow have
12 sparked some competition in the market for operating
13 systems?

14 A. Again, I think it just gets back to the sheer
15 numbers. Had it been more popular, it still would have been
16 sub ten percent in terms of its overall share. Remember
17 that is still 10 percent of office productivity application
18 users which would mean an even smaller percentage of all
19 Windows users. So we're still talking about affecting a
20 relatively small number of applications for a relatively
21 small number of users. That is really just not going to cut
22 it.

23 Q. But do me a favor, don't limit yourself to 10
24 percent or any number in that range. Just assume with me
25 for the sake of discussion that PerfectOffice had come out

1 in the fall of '95 and had gained let's say a 20 percent
2 share, something like four times higher than what it
3 actually got, could that have any impact on the operating
4 system market under Professor Noll's theory?

5 A. No, I don't believe it would.

6 Q. Before we turn to the second theory, could you
7 just provide me, if you would, with the summary of the
8 reasons that you think Professor Noll's theory, the
9 franchise applications theory lacks any viability?

10 A. I would say you start with the very nature of the
11 applications barrier to entry. That it is about a large
12 number of applications and the fact that one operating
13 system has vastly more operating applications than others.
14 Given this would have affected only a small number of
15 applications, it is hard to see how that would overcome the
16 applications barrier to entry, even if those applications
17 were very popular.

18 Secondly, given the track record, given what was
19 happening in the marketplace prior to this NameSpace
20 extension and prior to the alleged delay, the WordPerfect
21 share was small within those applications. As I said
22 before, a small number of users for a very small number of
23 applications when viewed from a point of view of operating
24 system competition. I think those are really the keys.
25 That it just wouldn't have had the effect necessary to

1 change the competitive dynamics. And let me come back to
2 two other things that I mentioned as additional problems.

3 The other ones are it wasn't clear where they were
4 going to go with this. OS/2 was not doing well at all.
5 Linux on the desktop had really gone no where at that point.
6 Hard to see that there was a viable candidate out there for
7 them to move to at the time. And at the same time, you
8 know, the -- if they had become more popular on Windows,
9 that would actually tend, if anything, to make Windows more
10 attractive. There is less reason to leave if you can get
11 what you want on Windows. So that is kind of a
12 counterveiling offsetting effect that actually may push the
13 market in the opposite direction and actually may raise
14 rather than lower Windows share if it had any effect at all.

15 MR. TULCHIN: Okay.

16 THE COURT: This is such a -- I hope the lunch is
17 here, I assume you're going onto the second.

18 MR. TULCHIN: I am, Your Honor.

19 THE COURT: Let's break for lunch and let me stay here
20 with counsel for just one moment. You can stay in the
21 courtroom, Professor, it has not got nothing to do with you.

22 THE WITNESS: Okay.

23 (Whereupon, the jury left the courtroom.)

24 THE COURT: So I don't forget, I do want to respond to
25 the jurors questions today. And Mr. Johnson raised a good

1 point and it may about -- if in fact Microsoft was told
2 about this before the suit was filed, that really is what
3 would be relevant to the other argument. So what I would
4 like to do is tell the jury you may hear closing argument or
5 not about the date they learned the suit was going to be
6 filed which may relate to other issues. And then if you all
7 decide you want to use it in closing argument, if you can
8 just stipulate when that date was and use that date in the
9 closing argument. I think Mr. Johnson is absolutely right
10 in fact there was -- you were told about that theory
11 sometime before the suit was filed. That is what is going
12 to be relevant.

13 MR. TULCHIN: I think we probably can, Your Honor.

14 THE COURT: And you may not even use it. You may
15 choose not to use it in the argument, but if it comes in it
16 seems like the way to handle it is to look into it and
17 stipulate.

18 MR. TASKIER: One issue, Your Honor, I think the next
19 slide has a source reference to the testimony of Roger Noll
20 and findings of fact. And we think that it is a little
21 misleading that that is what Dr. Noll said.

22 THE COURT: What is it?

23 MR. TASKIER: It relates to the three requirements for
24 the theory that MiddleWare propose a threat to Microsoft's
25 position and the PC operating system market must be cross

1 platform, it must be available on all or nearly all PCs, and
2 must expose enough APIs to allow ISVs profitably to write
3 full-featured productivity applications that rely solely on
4 those APIs. I don't think Professor Noll agreed with all of
5 those points, and I think that putting it in his mouth is
6 misleading. I have no objection to using the slide if --

7 THE COURT: No, no, I understand. I understand.

8 MR. TULCHIN: It actually says for source Professor
9 Noll and cites the pages of his transcript, and then it adds
10 and findings of fact, I forget the numbers, 28 and 32, I
11 think, they are. So Mr. Taskier may be right that Professor
12 Noll on the third point didn't say exactly that, but I think
13 that is why Professor Murphy added the findings of fact as a
14 source reference, you know.

15 THE COURT: Well, bring that out in the testimony.
16 And I think it is a fair point in the instructions. I am
17 aware that I may be weighing in on that, and that is
18 something I want to hear about when we discuss instructions,
19 so handle that when you ask professor -- make it clear what
20 Mr. Taskier pointed out that perhaps Mr. Noll did not agree
21 with that.

22 MR. TULCHIN: Your Honor, could I raise some
23 scheduling point and I hope this is taken by the court as
24 good news. We may end tomorrow earlier than 1:30.
25 Professor Bennett, who will be here Monday, cannot be here

1 tomorrow because of the very --

2 THE COURT: I am not going to complain if you -- if we
3 -- just let me know as soon as possible so I can tell the
4 jury.

5 MR. TULCHIN: We will. It depends on the amount of
6 cross primarily. But I do still think that our case will
7 probably be over on Monday. If it spills into Tuesday just
8 a tiny bit it will, but I am hoping --

9 THE COURT: So we really have left is the professor?

10 MR. TULCHIN: And we have Professor Murphy. We are
11 still thinking about whether to call Mr. Blount. We haven't
12 made any determination about that. If we do it will be
13 Monday. And then the only other witness is Professor
14 Bennett, John Bennett, who is the sort of anti-Alepin
15 expert, if I can put it that way.

16 THE COURT: Same area of expertise.

17 MR. TULCHIN: Exactly, Your Honor.

18 MR. JOHNSON: Your Honor, if we're trying to complete
19 this on Monday, and now they're talking about bringing
20 another witness on Monday in addition to an expert. Clearly
21 that is not going to work. When are we getting a decision
22 on Mr. Blount?

23 MR. SCHMIDTLEIN: And Mr. Blount, whether Mr. Blount
24 testifies, could directly impact our rebuttal case.

25 MR. JOHNSON: In a major way.

1 MR. TULCHIN: We have asked for the courtesy about,
2 you know, their rebuttal case, and I understand
3 Mr. Schmidtlein's point and I'm not here to argue about it.
4 What I would like to be able to do is to tell Novell
5 tomorrow morning whether or not we intend to call
6 Mr. Blount, and we will do it before 8:00 a.m., if that is
7 satisfactory to everybody.

8 THE COURT: That sounds reasonable. That is good.

9 MR. TULCHIN: Is that okay?

10 MR. SCHMIDTLEIN: That will help.

11 THE COURT: So tomorrow, and again I -- the one big
12 piece that may require time, and it may not, there are two
13 issues still. They have a motion in limine about
14 Mr. Bennett which I assume you all were thinking about and
15 perhaps -- perhaps the reason you haven't responded is
16 because you may --

17 MR. TULCHIN: We have responded, Your Honor.

18 MR. HOLLEY: We did last night. I'm happy to hand
19 Your Honor a copy of our paper.

20 THE COURT: Okay. Theresa will give it to me.

21 And the other thing which could be more time consuming
22 is the exhibits issue. So if you all could get something
23 filed or maybe the way to do that, I am just a little
24 worried that is going to be time consuming.

25 MR. HOLLEY: Perhaps we could address --

1 THE COURT: I think that is -- you all haven't filed a
2 memorandum yet. I understand you're waiting to hear what
3 they say.

4 MR. PARIS: That is exactly right, Your Honor. But
5 we'll take it up tomorrow.

6 THE COURT: If you all can talk, if there are exhibits
7 that are yours, it seems to me the easiest way to do it,
8 unless there is something in that they really want, is to
9 take my point you shouldn't just have a document dump if
10 they're concerned about you dumping documents for them to
11 tell you. That is easiest way to solve the problem. But,
12 you know, that is not -- it is not my job to solve problems,
13 my job is to rule. So if Novell wants to go through them
14 document by document, that is what I have to do.

15 In terms of instructions, we'll talk about them this
16 afternoon. Before we -- I just want to thank you all, I
17 mean my job is to -- you also have your exceptions, but the
18 nature of the responses to the second beta or the second
19 group is very constructive. I mean we're narrowing it down
20 to where I want to get balanced instructions and I
21 appreciate not every possible objection being raised and I
22 just want to thank you all.

23 MR. HOLLEY: Your Honor, along those lines, we just
24 filed by ECF this morning, and I am handing a copy to
25 Mr. Johnson and I would like to give Your Honor a copy,

1 these are two issues of principal but largely typographical
2 or technical changes, Your Honor, which I hope will be
3 useful for the court.

4 THE COURT: That is fine.

5 MR. HOLLEY: Thank you, Your Honor.

6 THE COURT: I wanted to ask you, Mr. Holley, whether
7 you knew that your partner, your senior partner, as I
8 recall, signed a letter that said that the government could
9 certainly find an antitrust violation for purposes of
10 injunctive relief. I would have thought that would have
11 given you nightmares.

12 MR. HOLLEY: Which senior partner was this, Your
13 Honor?

14 THE COURT: If Mr. Tulchin comes back bloodied I know
15 who --

16 MR. TULCHIN: I just sign whatever he tells me to,
17 Your Honor. So that is my usual practice.

18 THE COURT: And I don't have it quite right, but it
19 seems to me that the letter might have yielded more than
20 Mr. Holley would have been happy with. Thank you.

21 (Recess.)

22

23

24

25