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### FCIC Official Transcript of the Hearing on "Too Big to Fail": Expectations and Impact of Extraordinary Government Intervention and The Role of Systemic Risk in the Financial Crisis

Phillip Angelides

Bill Thomas

Brooksley Born

Byron Stephen Georgiou

Robert Graham

*See next page for additional authors*

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**Author/Creator**

Phillip Angelides, Bill Thomas, Brooksley Born, Byron Stephen Georgiou, Robert Graham, Keith Hennessey, Douglas Holtz-Eakin, Heather Murren, John W. Thompson, Peter J. Wallison, Ben S. Bernanke, Sheila Bair, and Jane W. Beach



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UNITED STATES OF AMERICA  
FINANCIAL CRISIS INQUIRY COMMISSION  
Official Transcript

Hearing on  
"Too Big to Fail: Expectations and Impact of Extraordinary  
Government Intervention and The Role of Systemic Risk in the  
Financial Crisis."

Thursday, September 2, 2010, 9:00a.m.  
Dirksen Senate Office Building, Room 538  
Washington, D.C.

**COMMISSIONERS**

- PHIL ANGELIDES, Chairman
- HON. BILL THOMAS, Vice Chairman
- BROOKSLEY BORN, Commissioner
- BYRON S. GEORGIU, Commissioner
- SENATOR ROBERT GRAHAM, Commissioner
- KEITH HENNESSEY, Commissioner
- DOUGLAS HOLTZ-EAKIN, Commissioner
- HEATHER MURREN, COMMISSIONER
- JOHN W. THOMPSON, COMMISSIONER
- PETER J. WALLISON, Commissioner

1 SESSION I: THE FEDERAL RESERVE:

2 BEN S. BERNANKE, Chairman

3 Board of Governors of the Federal Reserve System

4

5 SESSION II: FEDERAL DEPOSIT INSURANCE CORPORATION:

6 SHEILA C. BAIR, Chairman

7 U.S. Federal Deposit Insurance Corporation

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

2 (9:00 a.m.)

3 CHAIRMAN ANGELIDES: Good morning. Welcome to  
4 the public hearing of the Financial Crisis Inquiry  
5 Commission. This is our second day examining the issue of  
6 financial institutions that have become too big, too  
7 important, too systemic to fail.

8 Yesterday we looked at two case studies, Wachovia  
9 Corporation and Lehman Brothers, and this morning we will be  
10 hearing from the Chairman of the Federal Reserve, Mr. Ben  
11 Bernanke, as well as the Chair of the FDIC, Ms. Sheila Bair.

12 Welcome, Mr. Chairman. Thank you for joining us  
13 here today. I might note that this is the second time you  
14 have come before this Commission, first in our offices for a  
15 private session when we were first convened as we began our  
16 work, I believe almost a year ago. And today, in what will  
17 be our final hearing in Washington, D.C., although after  
18 today we will head across the country to a number of  
19 communities in California, in Nevada, and in Florida, to  
20 hold hearings in communities that are still gripped by high  
21 unemployment, high foreclosure rates, and we're going to be  
22 going to those communities to see how the seeds of this  
23 crisis were sown on the ground and what the consequences are  
24 today.

25 Mr. Chairman, as we have done with all witnesses,

1 we will now ask you to do, I would now like to ask you to  
2 stand so I can swear you as a witness. And if you would  
3 stand and raise your right hand:

4 Do you solemnly swear or affirm under penalty of  
5 perjury that the testimony you are about to provide the  
6 Commission will be the truth, the whole truth, and nothing  
7 but the truth, to the best of your knowledge?

8 CHAIRMAN BERNANKE: I do.

9 (Chairman Bernanke sworn.)

10 CHAIRMAN ANGELIDES: Thank you very much, Mr.  
11 Chairman.

12 Thank you very much for your extensive written  
13 testimony. And this morning we would like to ask you to  
14 speak to us orally and take up to ten minutes this morning  
15 to give your opening remarks, at which point, upon  
16 conclusion of your opening remarks, we will move to  
17 questions from Commissioners.

18 So, Mr. Chairman, the floor is yours.

19 WITNESS BERNANKE: Thank you, Mr. Chairman. I  
20 won't take a full ten minutes, and I would like to say that  
21 we will be submitting additional answers to your questions  
22 very shortly.

23 Chairman Angelides, Vice Chairman Thomas, and  
24 other members of the Commission:

25 Your charge to examine the causes of the recent

1 financial and economic crisis are indeed important. Only by  
2 understanding the factors that led to and amplified the  
3 crisis can we hope to guard against a repetition.

4           So-called too big to fail financial institutions  
5 were both a source--though by no means the only source--of  
6 the crisis, and among the primary impediments to  
7 policymakers' efforts to contain it.

8           In my view, the too big to fail issue can only be  
9 understood in the broader context of the financial crisis  
10 itself. In my full written testimony I provide an overview  
11 of the factors underlying the crisis, as well as some of the  
12 problems that complicated public officials' management of  
13 the crisis.

14           In understanding the causes of the crisis, it is  
15 essential to distinguish between triggers: the particular  
16 events or factors that touched off the crisis, and  
17 vulnerabilities: the structural weaknesses in the financial  
18 system and in regulation and supervision that propagated and  
19 greatly amplified the initial shocks.

20           Although a number of developments helped to  
21 trigger the crisis, the most prominent was the prospect of  
22 significant losses on subprime mortgage loans that became  
23 apparently shortly after house prices began to decline.

24           While potential subprime losses were large in  
25 absolute terms, judged in relation to global financial

1 markets they were not large enough to account for the  
2 magnitude of the crisis on their own. Instead, the system's  
3 preexisting vulnerabilities, together with gaps in the  
4 government's crisis response toolkit, are the primary  
5 explanation of why the crisis has such devastating effects  
6 on the global financial system and the broader economy.

7           Let me give an illustration of how  
8 vulnerabilities in the financial system greatly increased  
9 the effects of the triggers of the crisis.

10           In the years before the crisis, a system of so-  
11 called "shadow banks," financial entities other than  
12 regulated depository institutions, had come to play a major  
13 role in global finance.

14           As it grew, the shadow banking system, including  
15 certain types of special-purpose vehicles such as those  
16 financed by asset-backed commercial paper, and some  
17 investment banks had become dependent on short-term  
18 wholesale funding.

19           Such reliance on short-term uninsured funds made  
20 shadow banks subject to runs, much like commercial banks had  
21 been prior to the creation of Deposit Insurance.

22           When problems in the subprime mortgage market and  
23 other credit markets became known, the providers of short-  
24 term funding ran from the shadow banks, disrupting short-  
25 term money markets. Thus, the vulnerability--in this



1 case, the excessive dependence of many financial  
2 institutions on unstable short-term funding--greatly  
3 amplified the effects of the trigger, in this case the  
4 prospective losses of subprime mortgages.

5           Among the consequences of this instability were  
6 sharp declines in high volatility in asset prices,  
7 widespread hoarding of liquidity by financial institutions,  
8 and associated reductions in the availability of credit to  
9 support economic activity.

10           Many of the key vulnerabilities of the financial  
11 system were the product of private sector arrangements,  
12 including, as just noted, over dependence of many financial  
13 institutions on an unstable short-term funding, poor risk  
14 management, excessive leverage of some households and firms,  
15 misuse of certain types of derivative instruments,  
16 mismanagement of the mortgage securitization process, and  
17 other problems.

18           But important vulnerabilities also existed in the  
19 public sector, both in the United States and in other  
20 countries. These vulnerabilities included both gaps in the  
21 statutory framework, and flaws in the performance of  
22 regulators and supervisors.

23           Important examples of statutory gaps were the  
24 absence of effective authority to regulate and supervise  
25 some important types of shadow banks such as special-purpose

1 vehicles, and broker-dealer holding companies, the lack of  
2 authority or responsibility to take actions to limit  
3 systemic risks, and the absence of a legal framework under  
4 which failing systemically critical nonbank financial firms  
5 could be resolved in an orderly way.

6           Where appropriate authorities existed, financial  
7 regulators and supervisors--both in the United States and  
8 abroad--did not always use them effectively. For example,  
9 bank supervisors in many cases did not do enough to force  
10 financial institutions to strengthen their internal risk  
11 management systems and to curtail risky practices; and bank  
12 capital and liquidity standards were insufficiently  
13 stringent.

14           The recent financial reform legislation addresses  
15 many of the statutory gaps I have mentioned, and the Federal  
16 Reserve and other agencies are taking strong steps to  
17 tighten the regulation of financial institutions, to give  
18 regulation and supervision a more systemic and multi-  
19 disciplinary orientation, and to make supervision more  
20 effective.

21           Many of the vulnerabilities underlying the crisis  
22 were linked to the existence of so-called too-big-to-fail  
23 firms, those whose size, complexity, interconnectedness, and  
24 critical functions were such that their unexpected failure  
25 was likely to severely damage the financial system and the

1 economy.

2           Because of the grave risks presented should a  
3 too-big-to-fail firm file for bankruptcy protection, in the  
4 short run governments have strong incentives to prevent such  
5 events from occurring; hence, too big to fail.

6           However, in the longer term, the existence of  
7 too-big-to-fail firms create severe moral hazard problems  
8 which can lead to the buildup of risk and future financial  
9 instability, while complicating the resolution of financial  
10 crises.

11           The existence of such firms also creates an  
12 uneven playing field between the largest firms and their  
13 smaller competitors. It is critical that the  
14 too-big-to-fail problem be solved. An important component  
15 of the solution contained in the recent financial reform  
16 bill is the development of a resolution framework that  
17 allows the government to resolve a failing systemically  
18 important nonbank financial firm in an orderly way, while  
19 imposing appropriate losses on creditors, protecting  
20 taxpayers, and limiting risks to the broader financial  
21 system.

22           Tougher regulation and supervision of  
23 systemically important firms, and steps to increase the  
24 resilience of the financial system, are also important if we  
25 are to bring a decisive end to too-big-to-fail.

1           The findings of this Commission will help us  
2 better understand the causes of the crisis, which in turn  
3 should increase our ability to avoid future crises, and to  
4 mitigate the effects of crises that should occur.

5           We should not imagine, though, that it is  
6 possible to prevent all crises. A growing dynamic economy  
7 requires a financial system that effectively allocates  
8 credits to households and businesses. The provision of  
9 credit inevitably involves risk taking.

10           To achieve both sustained growth and stability,  
11 we must provide a framework which promotes the appropriate  
12 mix of prudence, risk-taking, and innovation in our  
13 financial system.

14           Thank you, Mr. Chairman.

15           CHAIRMAN ANGELIDES: Thank you very much, Mr.  
16 Chairman. We will now begin with questions. I will start  
17 the questioning, and then we will go to Vice Chairman  
18 Thomas, and then to the balance of the members.

19           So I would like to talk to you for a few minutes  
20 about the runup to the crisis, because I believe a lot of  
21 the focus is always on did the government do the right thing  
22 in the grips of the crisis; the real question for me has  
23 always been how did we get to the position where we faced  
24 such Draconian choices.

25           And one of the things that struck me as we

1 reviewed our case studies is the failure of regulator  
2 supervisors to identify and contain systemic risk in  
3 too-big-to-fail institutions before the crisis hit.

4           Yesterday we looked at Wachovia where assets grew  
5 from about \$250 billion to \$782 billion by 2007, and a very  
6 aggressive growth rate of 17 percent; a tangible asset to  
7 tangible equity ratio of 23 to 1; the acquisition of a big  
8 book of pay option ARMs from Golden West, which in and of  
9 itself was three times Tier One Capital.

10           But, no recognition by the Fed or the OCC of  
11 systemic risk. In fact, no downgrading of the institution  
12 until July of '08.

13           A similar fact pattern at Lehman. Even though we  
14 realize the Fed was not the prudential supervisor, but again  
15 I'm talking in a larger sense here: very aggressive growth,  
16 leverage of 39 to 1.

17           Let me just ask you: Why such a big miss? And I  
18 want to put this in context, that some of your folks who  
19 have spoken to us here, like Mr. Alvarez and Mr. Cole, whom  
20 we interviewed, talked about the fact that, well, gee, we  
21 had--and I think it was maybe Mr. Cole who used the word  
22 "myopic look". "We looked at safety and soundness."

23           But shouldn't have systemic risk been part of a  
24 safety and soundness regime, even in the 2000 period? Was  
25 this a substantial miss? How fundamental was the failure of

1 proper supervision to the metastasizing of this problem?

2 WITNESS BERNANKE: Mr. Chairman, first of all it  
3 should be recognized that large, complex international  
4 financial institutions do have an appropriate role. And the  
5 fact that you were seeing growth and complexification of  
6 these institutions in a world of financial innovation,  
7 international capital flows, financial supermarkets, and a  
8 whole variety of other innovations, in itself should not be  
9 surprising. That was happening not only in the United  
10 States but it was happening globally.

11 So there clearly was a reason for the growth and  
12 for the more complex institutions.

13 Now that being said, it is certainly true that  
14 the system did not sufficiently anticipate the systemic  
15 risks associated with these institutions. That was,  
16 frankly, partly due to the regulatory structure that was  
17 given to us by Congress.

18 As you had mentioned, our charge was to focus on  
19 the safety and soundness of individual institutions. There  
20 was no provision, no authority to address systemic risk in  
21 an institution. In fact, when the Fannie and Freddie law  
22 was redone and there was additional regulation put on Fannie  
23 and Freddie, the Congress explicitly said that you are not  
24 allowed to consider systemic risks when you are looking at  
25 the safety and soundness of this institution.

1                   Now--and furthermore, there was no--

2                   CHAIRMAN ANGELIDES: Was that part of the Gramm-  
3 Leach-Bliley--

4                   WITNESS BERNANKE: No, that was part of the  
5 Fannie and Freddie's, of the law that created the FHFA, the  
6 new institution.

7                   And furthermore, there was no--there was no  
8 collective assignment, as there is under the more recent  
9 reform legislation, to look for systemic risks. Many of the  
10 risks that occur obviously are interactions of the size and  
11 complexity of individual firms, but features of the entire  
12 system. They are emergent properties, if you will, of the  
13 overall system.

14                  Now having said all that, I must also agree that  
15 supervisors in the United States and around the world  
16 underestimated the risks associated, for example, with  
17 insufficient liquidity. Much of the crisis was a liquidity  
18 problem, or a bank run essentially.

19                  We underestimated the extent to which risks  
20 remained concentrated within important financial firms. And  
21 so I'm not claiming that we found all those problems.

22                  But there was a combination of the structure of  
23 the system, the underlying trends toward greater and more  
24 complex firms, together with some mistakes and shortcomings  
25 on the part of regulators.

1                   CHAIRMAN ANGELIDES: Let me ask you [microphone  
2 is off]--thank you so much. It is early. It has been a  
3 long journey for this Commission.

4                   And this is not a matter of political ideology,  
5 but there does seem to be, within the financial markets,  
6 there was--it appears to be a greater and greater reliance  
7 also on self-regulation. Mr. Alvarez in an interview he did  
8 with our staff, I believe in March, talked about the  
9 deregulatory environment in which policy decisions were  
10 made. And again, without regard to Party--I'm going to say  
11 that very squarely here.

12                   Mr. Cole talks about recognizing some of the  
13 problems in institutions and the ride up the roller coaster,  
14 but the pushback from financial institutions. So how much  
15 of this was also a function of a shift away from an  
16 aggressive regulatory regime to, frankly, just a common view  
17 that we should be more reliance on self-regulation, internal  
18 risk management by the institutions, and replacement of  
19 regulation?

20                   WITNESS BERNANKE: Well I think there's some  
21 truth to that. It was--there was some change I think in  
22 overall philosophy. As firms became more complicated, there  
23 was a greater and greater understanding that regulators  
24 could not replicate all the risk assessments that the firms  
25 themselves could do, and we had to rely more on their own



1 assessments. And instead of looking at the risks  
2 themselves, making sure that they had good systems in place,  
3 and that they were taking appropriate steps to address those  
4 risks.

5           So it was certainly a problem, and it was  
6 exacerbated I think by the fact that there's always  
7 implicitly an international competition. Before the crisis,  
8 one of our main concerns was London and Tokyo, were they,  
9 you know, taking away the financial industry from the U.S.?  
10 And was excessive regulation doing that?

11           So those were some of the concerns. That being  
12 said, I think that innovation in the financial system partly  
13 to avoid regulation but also in part to respond to the  
14 legitimate changes in the economy; I referred to the shadow  
15 banking system a moment ago, the development of new types of  
16 financial institutions, off-balance-sheet vehicles, nonbank  
17 mortgage lenders, much bigger investment banking activities  
18 and so on.

19           Our bank regulatory system was designed for a  
20 bank-centric financial system, and that's where it came  
21 from. And as all these nonbank activities grew we, we the  
22 country, were not sufficiently proactive in establishing a  
23 regulatory framework to encompass all of those aspects.

24           CHAIRMAN ANGELIDES: All right. Thank you. But  
25 it does seem to be, particularly if we are entering into an

1 era of larger and larger banks, that if we're going to have  
2 banks that are too-big-to-fail it would also seem to me that  
3 we need regulators who are too-tough-to-fold.

4           This is going to be a particularly challenging  
5 environment with a set of even larger banks, and fewer of  
6 them. Would you agree with that? That the challenge going  
7 forward is even more dramatic?

8           WITNESS BERNANKE: I think it is very, very  
9 important. As I said before, the most important lesson of  
10 this crisis is we have to end too-big-to-fail. And I  
11 believe that we, in a much different way than we did before  
12 the crisis, we now have the tools to address that.

13           In particular, tougher regulation and oversight  
14 will reduce the risks. The existence of a resolution regime  
15 will increase market discipline, because creditors will know  
16 that they can lose money. And strengthening the resilience  
17 of the financial system itself will reduce the incentive of  
18 the government to intervene in these situations.

19           My projection is that, even without direct  
20 intervention by the government, that over time we are going  
21 to see some breakups and some reduction in size and  
22 complexity of some of these firms as they respond to the  
23 incentives created by market pressures and by regulatory  
24 pressures as well.

25           CHAIRMAN ANGELIDES: So our staff prepared for us

1 what I thought was an excellent--all the information you  
2 already know, by virtue of being Chairman of the Fed and  
3 your background, but it was striking. Our staff did for us,  
4 and it's posted on our website, essentially a history of  
5 too-big-to-fail; also, governmental rescues, from Franklin  
6 National, to Continental Illinois, through the multiple  
7 rescues in 2008.

8           And as I look at it, you almost can take the view  
9 that, you know, Wall Street seems to believe that a  
10 financial sucker is born every crisis. And so I think one  
11 of the biggest questions that Americans have is: How do we  
12 break this cycle?

13           What is the single most important thing that  
14 should have been done, and can be done in the future, to  
15 break the cycle? The single most important policy action  
16 that we can take?

17           WITNESS BERNANKE: There has to be a credible way  
18 to let firms fail--in fact, to require that they fail. I  
19 mean, I think it is striking that the new rules do not  
20 permit discretion. They do not allow so-called open-bank  
21 assistance, which allows the government to assist a firm to  
22 continue to exist.

23           Rather, what it does it provide a system for  
24 trying to take a firm into receivership in a way that does  
25 minimal damage to the system.

1           It's not going to be easy. I mean, let me just  
2 be clear. This is not going to be easy to implement,  
3 because these are large, complex firms with multi-national  
4 presence.

5           CHAIRMAN ANGELIDES: And significant power.

6           WITNESS BERNANKE: And significant power. But  
7 it's a very important step to take away the discretion. If  
8 I might just cite the example of FDICIA, the law passed in  
9 the early '90s, which created a set of well-specified  
10 triggers under which the FDIC has to come in and close a  
11 bank, except under extreme circumstances--the systemic risk  
12 exception. There is no systemic risk exception for the  
13 resolution regime in the Dodd-Frank bill.

14           That has worked very well. And the analogy to  
15 using that, applying that to large firms I think is very  
16 important. So I could hardly agree with you more,  
17 Mr. Chairman, that this was a catastrophe, and it is bad in  
18 the long run as long as in the crisis, and we must address  
19 it.

20           CHAIRMAN ANGELIDES: All right. Let me talk for  
21 a moment about failed institutions. As you know, we had Mr.  
22 Fuld here from Lehman yesterday. We had Mr. Baxter from the  
23 Federal Reserve Bank of New York.

24           You have stated I think on many occasions that  
25 the failure of Lehman had significant consequences. So in

1 our role as Commissioners trying to do our level best to  
2 understand the history of his crisis, we're trying to--at  
3 least I am--trying to unfurl the set of decisions, the whys,  
4 the wherefors.

5           When you first testified to Congress I believe  
6 after the failure of Lehman, you had essentially said in  
7 your testimony--and I'm shortening this up--that Lehman was  
8 not rescued essentially because the market, the  
9 participants, had had time to prepare in the wake of market  
10 developments.

11           And I say this, as I said yesterday, it seems to  
12 me the decision to allow Lehman to fail was a conscious  
13 policy decision. Now I'm not implying that people said, oh,  
14 just let them go down, but that like any other policymakers  
15 you were weighing a whole set of factors.

16           Now since early on it seems though the Fed and  
17 other officials have indicated that it was solely due to a  
18 lack of legal authority, the inability to make the loan  
19 under 13.3, the lack of sufficient collateral; but when I at  
20 least look at the chronology, it seems to me you were trying  
21 to deal with a whole set of complex factors.

22           We released yesterday a chronology of different  
23 events along the way, and it seems to me, you know, there  
24 was serious consideration of financial assistance, the Fed  
25 stepping into the shoes of the clearing banks if that was

1 necessary. You know, Mr. Dudley, for example, I think in  
2 July proposed a Maiden Lane type solution.

3           Mr. Geithner had told the FSA, I think as late as  
4 a few days before the failure, that government assistance  
5 was possible. And as late as I think the last few days,  
6 there's a Federal Reserve Board of New York document, I  
7 think Mr. Parkinson circulates, that talks about an FRBNY  
8 financial commitment. "We should find a maximum number of  
9 how much we are willing to finance before the meeting  
10 starts, but not divulge our willingness to do so to the  
11 Consortium. The terms of any liquidity support should be  
12 long enough to guard against a fire sale, but on a short  
13 enough fuse to encourage buyer of Lehman assets to come  
14 forward two months to a year in duration?" And then there's  
15 a note, "Lehman is bigger and more global than Bear."

16           So there seems to be a robust debate about the  
17 efficacy of financial support. There certainly seemed to be  
18 political considerations--and I don't necessarily mean at  
19 the Fed, but among Treasury, White House, which is  
20 legitimate. People are trying to weigh the mood of the  
21 country, how policymakers are going to view this. There's  
22 an awareness of impacts, a larger triparty book than Bear, a  
23 bigger and more complex institution to unwind.

24           I don't see any documents or discussion along the  
25 way about legal bars or government analysis of a shortage of

1 collateral. This is all by--and I see Mr. Alvarez's opinion  
2 in March of 2009 saying the Fed has wide latitude in terms  
3 of how it defines collateral.

4 My real question for you is: What was the mix of  
5 policy considerations? I understand, because I've been in  
6 transactions on the private side and the public side, that  
7 there will be legal barriers, obstacles that have to be  
8 respected, but it doesn't look as though that cut this  
9 discussion off.

10 What were the biggest considerations? Would you  
11 have saved Lehman if you had the legal authority? But in  
12 rolling up to that decision, trying to determine were they  
13 too-big-to-fail, not too-big-to-fail, you've already said  
14 you thought it had significant disastrous consequences, but  
15 what were the things you were trying to weigh, the decision-  
16 making factors?

17 WITNESS BERNANKE: So I can only speak for  
18 myself. I don't know everybody's view on that.

19 CHAIRMAN ANGELIDES: Okay. Great.

20 WITNESS BERNANKE: So first of all there was of  
21 course, we were trying to arrange a private takeover over  
22 the weekend, and we wanted that to be done on the best  
23 possible terms that we could.

24 And for that reason there was some benefit I  
25 think in the weeks prior to Lehman to keep our hands, you

1 know, a little bit up to the vest in terms of what we were  
2 willing and able to do. So there was some of that going on  
3 in the week prior to the Lehman weekend.

4           That being said, let me just state this as  
5 unequivocally as I can. As you know, before I came to the  
6 Fed Chairmanship I was an academic, and I studied for many  
7 years the Great Depression, financial crises, and this is my  
8 bread and butter. And I believed deeply that if Lehman was  
9 allowed to fail, or did fail, that the consequences for the  
10 U.S. financial system and the U.S. economy would be  
11 catastrophic.

12           And I never, at any time, wavered in my view that  
13 we should do absolutely everything possible to prevent the  
14 failure of Lehman.

15           Now on Sunday night of that weekend, what was  
16 told to me was that--and I have every reason to believe--was  
17 that there was a run proceeding on Lehman, that is people  
18 were essentially demanding liquidity from Lehman; that  
19 Lehman did not have enough collateral to allow the Fed to  
20 lend it enough to meet that run; therefore, if we lent the  
21 money to Lehman, all that would happen would be that the run  
22 would succeed, because it wouldn't be able to meet the  
23 demands, the firm would fail, and not only would we be  
24 unsuccessful but we would have of saddled the Taxpayer with  
25 tens of billions of dollars of losses.



1           So it was both a legal consideration, but also a  
2 practical consideration. Legally speaking, we are not  
3 allowed to lend without a reasonable expectation of  
4 repayment. The loan has to be secured to the satisfaction  
5 of the Reserve Bank. Remember, this was before TARP. We  
6 had no ability to inject capital or to make guarantees.

7           The unanimous opinion that I was told, and I  
8 heard from both the lawyers and from the leadership at the  
9 Federal Reserve Bank of New York, was that Lehman did not  
10 have sufficient collateral to, to borrow enough to, to save  
11 itself. And therefore any attempt to, to lend to Lehman  
12 within the law would be futile and would only result in loss  
13 of cash.

14           In some cases you can take the going-concern  
15 value of the firm into consideration, but in this case  
16 Lehman was under a run. It's going-concern value was  
17 melting away because its customers, its counterparties, its  
18 employees, and so on, were not going to be sticking with  
19 this firm.

20           So I believe as of Sunday night that it wasn't  
21 just a question of legality; it was a question of whether  
22 there was anything we could conceivably do that would  
23 prevent the failure of the firm. And therefore, it was with  
24 great reluctance and sadness that I conceded that there was  
25 no other option.

1           There was never any discussion which says here's  
2 how we can save Lehman; should we do it or not? We never  
3 had a discussion like that. The discussion was: There is  
4 no way. And that was my belief, and that is how I  
5 proceeded. Because, as I said, if I could have done  
6 anything to save it, I would have saved it.

7           Now you asked, appropriately, about the--

8           CHAIRMAN ANGELIDES: Can I ask one question on  
9 that, very quickly?

10          WITNESS BERNANKE: Certainly.

11          CHAIRMAN ANGELIDES: Which is, you said you  
12 represented your own views. There were differential views,  
13 though, expressed? I've seen in the e-mails concerns about  
14 the politics. Bear's been bailed out. The GSEs. There  
15 seems to be some political reluctance. Mr. Wilkinson's  
16 writing e-mails: can't stomach a bailout.

17          WITNESS BERNANKE: Well it's certainly  
18 understandable that people would have those concerns, but I  
19 must say that in my own case, and as far as I know in the  
20 cases of the other principals, the primary consideration was  
21 the knowledge that the failure of Lehman would have  
22 catastrophic consequences.

23          Let me just say one word about the testimony you  
24 referred to, which has gotten--which has supported this myth  
25 that we did have a way of saving Lehman. This is my own

1 fault, in a sense, but the reason we didn't make the  
2 statement in that testimony, which was only a few days after  
3 the failure of Lehman, that we were unable to save it was  
4 because it was a judgment at that moment, with the system in  
5 tremendous stress and with other financial institutions  
6 under threat of run, or panic, that making that statement  
7 might have, might have even reduced confidence further and  
8 led to further pressure.

9           That being said, I regret not being more  
10 straightforward there, because clearly it has supported the  
11 mistaken impression that in fact we could have done  
12 something. We could not have done anything.

13           CHAIRMAN ANGELIDES: One last question on this  
14 subject. That is, a loan was made under the PDCF to the  
15 broker-dealer I believe in the amount--I mean, I guess  
16 authorized, \$50 billion but I think the daily amounts were  
17 \$29- \$30 billion, and I have the numbers exactly with me,  
18 that you were able to do that because?

19           WITNESS BERNANKE: Because they had sufficient  
20 collateral to make--to support the loan.

21           CHAIRMAN ANGELIDES: That was not available on  
22 the night before at the Holding Company level?

23           WITNESS BERNANKE: Correct.

24           CHAIRMAN ANGELIDES: Because the Holding Company  
25 had a capital hole, in your judgment?

1                   WITNESS BERNANKE: I believe it had a capital  
2 hole, but in any case the calculations were that the  
3 liquidity demands on the Holding Company were much greater  
4 than the collateral that they had available to meet those  
5 demands. And moreover, by the way, we didn't do anything to  
6 prevent the broker-dealer from lending to its own Holding  
7 Company, and it didn't seem to decide that was a smart thing  
8 to do, either.

9                   CHAIRMAN ANGELIDES: Of course at that point they  
10 had filed bankruptcy. And I'm not going to take your time  
11 with yesterday's dialogue with Mr. Baxter about what I  
12 referred to as the smoking letter about whether in fact the  
13 Holding Company had the ability Sunday night. We'll  
14 continue to look at that matter and what transpired.

15                   WITNESS BERNANKE: I can only tell you what I  
16 knew at the time. And what I knew at the time, and what I  
17 was informed, and what I believed, was that there was no  
18 capacity for them to borrow sufficiently, have enough  
19 collateral to borrow sufficiently to meet their obligations.

20                   CHAIRMAN ANGELIDES: Was that based on an  
21 analysis? Or was that based on the private Consortium's  
22 analysis?

23                   WITNESS BERNANKE: That was based on analysis at  
24 the Federal Reserve Bank of New York, primarily, which had  
25 been going on through the weekend. And of course prior to

1 that, we had done a lot of analysis based on our presence at  
2 Lehman during the summer.

3 CHAIRMAN ANGELIDES: All right. One final  
4 question--I'm exhausting my time, but this is very quickly.  
5 I want to ask you, as we look at the genesis of this crisis,  
6 it's hard not to look at the actions of the Federal Reserve.  
7 And I know Mr. Thompson is going to want to talk about this,  
8 so I will just ask very quickly, when you look at the  
9 opportunity to regulate subprime lending under HOPA, rules  
10 were adopted in 2001 that end up covering only 1 percent of  
11 the loans, when you look at the referral of unfair and  
12 deceptive lending practices to Justice, only two  
13 institutions, I think the Desert Community Bank in  
14 Victorville, California, and the First American Bank in  
15 Carpenter, Illinois, only two referrals in six years; a  
16 decision not to examine nonbank subsidiaries; was this a  
17 very significant failure, looking back in retrospect?

18 WITNESS BERNANKE: It was, indeed. I think it  
19 was the most severe failure of the Fed in this particular  
20 episode.

21 CHAIRMAN ANGELIDES: All right. Well, I think  
22 Mr. Thompson will want to ask some more about that. I will  
23 defer the rest of my questions, if I have any, to Mr.  
24 Thomas. Thank you very much, Mr. Chairman.

25 VICE CHAIRMAN THOMAS: Thank you, Mr. Chairman.

1 And thank you, Mr. Chairman. It's nice to see you again.

2 Let me say first of all, for those of us who have  
3 been around for awhile, some folks might move us in the  
4 category of "Mr. Senator" as having been around forever, and  
5 you look at the political situation just in terms of  
6 coordination and ability to move quickly, which is always  
7 difficult in a political body, in the fall--well, December  
8 '07 through '08, fall of '08, spring of '09, and of course  
9 now today, historically when you look back, that actually  
10 was a Presidential election period.

11 There was a change in government. And for those  
12 of us who have been actually involved in these kinds of  
13 processes, I want to thank you, and I want to thank the  
14 others who were involved. Because it took, in my opinion, a  
15 degree of aggressiveness that, had you not been bold enough  
16 to carry out, circumstances might have been significantly  
17 different.

18 So thank you.

19 After the fact, you get people who may have been  
20 pretty upset--some behind closed doors; some in open doors--  
21 now beginning to take a look at really where we were, and  
22 situations that would have occurred.

23 Obviously you talk about gaps. The reason we  
24 talk about gaps is because we now know they were gaps.  
25 Before we knew they were gaps, it's always hard to find the

1 gaps.

2                   One of my worries is, now being more acquainted  
3 with the complexity, the failure of transparency, what  
4 people thought was adequate capital carrying out various  
5 kinds of behaviors, and the complexity that's now present,  
6 not just nationally but internationally, one of the concerns  
7 I have is--well, your final statement about obvious needs in  
8 terms of the structure that we have on a flexibility in  
9 movement, that when you try to look at dealing with  
10 too-big-to-fail, and so we aren't going to let that happen  
11 again, and you set up a structure, is there any concern  
12 about some of these structures might be too complex to  
13 unravel in a time period that's meaningful, given the  
14 circumstances?

15                   Because at some point, what I've heard from  
16 virtually everyone--and we just heard the testimony  
17 yesterday on some of the derivatives products and some of  
18 the synthetics built off of derivatives, they're still  
19 trying to unwind them in the Lehman Bankruptcy.

20                   What concerns can you share with us in terms of--  
21 I mean, I often think, you know, you've got the cartoon of  
22 the child who's going to go out in the snow. So the mother  
23 puts on one layer, two layers, three layers, and it finally  
24 then is allowed to go outside and play and it can barely  
25 move getting outside.

1                   You can set up a structure to make sure that it  
2 doesn't happen, but how do you keep the flexibility to allow  
3 the system to function? Where are we in terms of your  
4 concerns with the Dodd-Frank legislation, providing some  
5 additional tools, comfort level, and now understanding  
6 better, and more importantly, if we are now not going to  
7 have these crisis interventions when we do fail, unwinding  
8 structures in a reasonable way?

9                   WITNESS BERNANKE: That's an absolutely central  
10 question. Of course as you know, Chairman Bair has written  
11 a testimony which addresses this issue in some detail.

12                  VICE CHAIRMAN THOMAS: As we say, she's next.

13                  WITNESS BERNANKE: She's next on the program, I  
14 understand. It's a very difficult problem. Certainly the  
15 kind of firms we're talking about are much more complicated  
16 than the small- and medium-sized banks which are the typical  
17 companies that are unwound through the FDICIA process, for  
18 example. So this is not at all an easy process.

19                  However, I think we will be much better off if  
20 you think about--one thing I feel people don't always  
21 appreciate is that we tried to do these very complex  
22 operations, you know, within hours, within a weekend. And  
23 certainly we'd of been much better off if we'd had an  
24 extended amount of time to understand, and study, and  
25 prepare, and make plans, and that is an important part of



1 what the FDIC's new Division on Complex Firms is about.

2           They will be aided, as will we at the Federal  
3 Reserve, by living wills--that is, by a required document  
4 that firms will provide which will explain how they would be  
5 wound down. And if those living wills are not satisfactory,  
6 we have the authority to require them to simplify their  
7 legal and organizational structure as necessary to make it  
8 feasible.

9           So it is going to be very difficult, but  
10 certainly we will be in a much better place than we were  
11 prior to this crisis.

12           I think the one area where it's going to take a  
13 lot of effort is the international element, because these  
14 firms--one of the banks that we supervise has offices in 109  
15 countries, each one with its own bankruptcy code and its own  
16 rules and so on. And we're going to need to develop sort of  
17 the moral equivalent of tax treaties with other  
18 jurisdictions whereby we have rough agreements on how we  
19 would cooperate and work together to unwind a firm, and that  
20 will be very challenging.

21           But it is something that is currently being  
22 heavily investigated by international bodies like the  
23 Financial Stability Board, and I think it should be a top  
24 priority.

25           VICE CHAIRMAN THOMAS: And where are we in terms

1 of those discussions? Because that was definitely one of  
2 the concerns that I had. We can resolve our problems, and  
3 if we can't get an international agreement, given the  
4 complexity and multi-national nature of today's financial  
5 structure. And of course the farther away you get from the  
6 cliff, the less you want to kind of make the sacrifices that  
7 allow for that international stability.

8           What's your comfort level in where we're going on  
9 that?

10           WITNESS BERNANKE: Well one word on domestic,  
11 which is there was just a roundtable, and the FDIC is well  
12 advanced in developing some rules to explain how they will  
13 invoke these powers. And we are working with the FDIC to  
14 try to develop more knowledge about how you would go about  
15 unwinding U.S. firms.

16           As you agreed, the international aspect is very  
17 difficult. But there is a very concerted effort. As I  
18 mentioned, the Financial Stability Board and the Basel  
19 Committee, the Bank for International Settlement, and other  
20 international bodies are looking at this very seriously.

21           I think what we will have to do is work primarily  
22 with the principal countries. Although this bank is in 109  
23 countries, there are 4 or 5 countries which are the most  
24 important that we have to work with, which have the largest  
25 banks and bank presence.

1           So it's going to require again some agreements,  
2   some MOUs, some work together, some ideas about how you're  
3   going to divide assets, how you're going to reconcile  
4   different bankruptcy codes and the like. So there's a lot  
5   of work to be done. And, you know, I think we have a way to  
6   go still, but obviously we are very focused on doing that,  
7   and we have a lot of cooperation and goodwill from our  
8   international partners.

9           VICE CHAIRMAN THOMAS: And, Mr. Chairman, you  
10   indicated, I think the phrase was "the regulations given to  
11   us by Congress," and we always look for the ability to  
12   structure legislation with the flexibility under regulations  
13   to not put you into a statutory straitjacket, but I had some  
14   concerns yesterday in testimony.

15           When you look at that period in late September,  
16   early October, in attempting to deal with Wachovia, and in  
17   the minutes of the FDIC discussions they take the very  
18   extraordinary step of accepting the concept of hopefully no  
19   dollar exposure but responsibility for backup on the  
20   Citi/Wachovia structure. That's put to bed.

21           And then literally the very next day, IRS issues  
22   2008-83, fundamentally changing a two-decade-old Tax Code  
23   provision. And you may recall some of us from the Article I  
24   part of government being fairly sensitive because there's a  
25   difference between "needed" and "desirable."

1                   And it concerns me very much that whoever was  
2 meeting came up with an idea that could solve the problem,  
3 but didn't fully appreciate the consequences of inventing  
4 solutions when you're charged with not carrying out  
5 activities, and the argument was "we weren't given the power  
6 by Congress," but where you came up with an idea that could  
7 be inventive, you go ahead and do it.

8                   The real difficulty for me in the long run in  
9 these kinds of situations is whether the Executive Branch is  
10 a demand center, or whether it's a command center. And  
11 clearly there are times when it has to be a command center,  
12 both domestically and internationally. But more often the  
13 argument that we had to be a command center is used to do  
14 what you want to do, rather than not.

15                   Did you have any behind-the-scenes' knowledge of  
16 IRS and Treasury deciding to create a, what we call in the  
17 business, a rifle-shot in terms of picking up losses of a  
18 company that they could acquire? Which just kind of  
19 fundamentally violated a portion of the Tax Code, as I said,  
20 that had been honored for a couple of decades, which  
21 actually changed the result of what happened to Wachovia in  
22 finding a home, in my opinion--and others may argue.

23                   Any reaction to what I just said?

24                   WITNESS BERNANKE: All I can say is, I just don't  
25 know the facts in that. But I can say that I have, I have

1 no knowledge; I had no inside knowledge, or any other kind  
2 of knowledge, of this fact before it occurred.

3           From my perspective, putting aside the very  
4 important procedural and legal issues that you raise, it was  
5 inconsequential because one way or the other Wachovia was  
6 going to get protected. And that was the thing I was  
7 concerned about.

8           I did not advocate or get involved in any way  
9 with the tax decision.

10           VICE CHAIRMAN THOMAS: Well our concern is that  
11 in a crisis which we went through, necessity can be the  
12 mother of invention, but you'd better come up with a  
13 solution coming out the other end that doesn't provide you  
14 or embolden you with the opportunity to do what happened  
15 again.

16           I know some of my colleagues got pretty  
17 frightened when they were presented with the option that you  
18 must pass what's on this piece of paper before tomorrow  
19 morning or the world as you know it is going to end.

20           You get away with that once, and I'm hopeful that  
21 as we continue to move forward you spend a lot of time  
22 consulting with those who actually believe they have some  
23 role to play, not after the fact but during it.

24           Do you have a comfort level now in terms of your  
25 ability to communicate with the Legislative Branch that

1 perhaps you couldn't do in that crunch timeframe?

2 WITNESS BERNANKE: Yes, certainly with the  
3 benefit of time. Clearly these activities were not things  
4 that I wanted to do. The Federal Reserve took an enormous  
5 amount of heat for them, and came under a lot of pressure  
6 politically and legislatively because of those actions.

7 So I would much rather have not have had to do  
8 them. And I am very happy to see that we're moving towards  
9 a system where there is a well-designed framework for  
10 addressing these problems. And I hope that we can make it  
11 workable so that we will avoid any such freelancing in the  
12 future.

13 VICE CHAIRMAN THOMAS: Well just let me say,  
14 Mr. Chairman, you have taken a lot of heat. But in the  
15 final legislative battle in terms of the legislative  
16 product, I think you did pretty well defending your position  
17 in the way the final legislation was written.

18 One last question in terms of comparisons, which  
19 are always questions that we wind up trying to examine  
20 because we don't know what happened behind closed doors.  
21 How was Lehman different from AIG? If there was a run on  
22 AIG, capital was locked up in insurance subsidiaries, no  
23 buyer. There had to be differences, obviously.

24 What to you were the differences?

25 WITNESS BERNANKE: There was a fundamental

1 difference, which was--again, the issue was could we make a  
2 loan that was adequately secured? That was reasonably  
3 likely to be paid back?

4           Unlike Lehman, which was a financial firm whose  
5 entire going-concern value was in its financial operations,  
6 AIG was the largest insurance company in America. And the  
7 Financial Products Division, which got into the trouble, was  
8 just one outpost of this very large and valuable insurance  
9 company.

10           And therefore--and in fact that's why they  
11 created this, because they wanted to ride on the coattails  
12 of the AAA rating of AIG.

13           So unlike Lehman, which didn't have any going-  
14 concern value, or not very much, AIG had a very substantial  
15 business, a huge business, more than a trillion dollars in  
16 assets and a large insurance business that could be used as  
17 collateral to borrow the cash needed to meet Financial  
18 Products' liquidity demands.

19           So that's a very big difference. And indeed, the  
20 Federal Reserve will absolutely be paid back by AIG.

21           VICE CHAIRMAN THOMAS: Thank you, Mr. Chairman.  
22 I just want to thank you, once again, for in political terms  
23 your bravery and willingness to move in the way that you  
24 did. Thank you, very much.

25           CHAIRMAN ANGELIDES: Mr. Georgiou?

1                   COMMISSIONER GEORGIU: Thank you for joining us  
2 today, Dr. Bernanke. After reading and re-reading your  
3 prepared testimony, with all respect, I find a less-than-  
4 thorough discussion of one area that I think is exceedingly  
5 important, which is the erosion of market discipline  
6 associated with the creation of the engineered financial  
7 instruments that became toxic assets on the balance sheets  
8 of our financial institutions.

9                   These assets became a significant cause of the  
10 liquidity crisis faced by these institutions when they  
11 couldn't meet their obligations, either because they  
12 couldn't sell the assets without a steep discount and ever-  
13 increasing discount, and couldn't borrow against the assets  
14 as collateral except with a large and increasing haircut.

15                   And of course when they faced collapse, these  
16 institutions turned to the American Taxpayer through the  
17 Federal Reserve and others to essentially rescue them from  
18 their excesses.

19                   You have spoken to the deterioration in mortgage-  
20 origination standards which, you know, they were problematic  
21 to be sure caused in many instances by differential  
22 financial rewards to mortgage originators who were paid more  
23 to steer borrowers to mortgage products that produced  
24 greater returns to the mortgage holders and greater costs to  
25 the borrower, which of course resulted in a higher



1 likelihood of default by the borrower, but you didn't  
2 address what I regard as frequently perverse incentives of  
3 the other parties to the mortgage securitization process,  
4 all of whom were compensated in cash when the products were  
5 created without regard to its success or failure to perform  
6 as represented to the investor-owners.

7           The underwriting investment banks legally  
8 responsible for the exercise of due diligence on the  
9 products, the lawyers who drafted the prospectuses, the  
10 accountants who created the accompanying financial  
11 statements, the credit rating agencies that rated these  
12 securities, all received their fees in cash when the  
13 securities were sold, and only if they were sold.

14           So is it any surprise that every participant in  
15 the chain opined that everything was in order when we know  
16 that it was not?

17           Some 92 to 94 percent of the mortgage-backed  
18 securities and their tranches that were created that were  
19 rated AAA have now been downgraded, and many of them  
20 exceedingly severely. And we're not speaking here only of  
21 simple mortgage-backed securities, but collateralized debt  
22 obligations in which miraculously in a process I've likened  
23 to Medieval alchemy, they take the BBB tranches of mortgage-  
24 backed securities, which are the first ones to suffer a loss  
25 when the borrowers default, and miraculously put them all

1 together and somehow create a security that's not just rated  
2 AAA, but Super Senior, and actually essentially sold as a  
3 product that cannot fail, but of course fail they did.

4           And then we go to CDO-squared, CDO-cubed, and  
5 synthetic CDOs which are creations that are essentially bets  
6 on the success or failure of the underlying other  
7 securities, when they then have other things to sell.

8           So the financial reform legislation attempts to  
9 address some of these problems by prohibiting differential  
10 compensation to mortgage originators for steering borrowers  
11 to riskier products, and by requiring issuers to hold 5  
12 percent of the products they created.

13           Since it seems to me that nothing focuses the  
14 mind of Wall Street bankers more than having their own money  
15 at risk and their own skin in the game, it is hoped that  
16 greater discipline and diligence will be exercised when the  
17 creator knows that their own financial future depends on the  
18 performance of their creation.

19           So I apologize for such a long intro,  
20 Dr. Bernanke, but I would ask you to comment on the  
21 initiatives put in place by the Federal Reserve in  
22 exercising its responsibility to be the safeguard of the  
23 safety and soundness of America's financial institutions to  
24 address some of these issues.

25           WITNESS BERNANKE: Sure. I did refer in my

1 testimony to the problems with the originate-to-distribute  
2 model, which goes all the way from the initial mortgage loan  
3 all the way to the securitization, and there were clearly a  
4 lot of problems there.

5           We are trying to address them. Although, as I  
6 said earlier, we were late in developing mortgage  
7 underwriting standards under HOPA, we did in fact in 2007-  
8 2008 establish some very strong standards, and I'm sure they  
9 will be maintained by the new Consumer Protection Agency.

10           We also have put out--we also have banned--the  
11 Federal Reserve has banned yield-spread premiums, which  
12 allow lenders to be compensated on the basis of the type of  
13 mortgage that they provide. And so we have tried to address  
14 the front end of originate-to-distribute.

15           COMMISSIONER GEORGIU: Right.

16           WITNESS BERNANKE: On skin-in-the-game, I think  
17 we all agree that we want to create good incentives, and  
18 that is one way to do it. And the Fed is also involved in  
19 making sure that incentive compensation contracts for both  
20 executives and other employees of financial firms reflect  
21 appropriately the long-run returns to their activities and  
22 not the short-run returns, as you were describing.

23           The only--

24           COMMISSIONER GEORGIU: And how would--if I could  
25 just probe you on that, how would you propose to rejigger

1 those compensation incentives to reflect the long-term  
2 performance?

3 WITNESS BERNANKE: Well we are asking the--since  
4 the nature of the business differs across institutions--  
5 we're asking for proposals. We're asking for companies to  
6 show us what they're going to do, and we work with them and  
7 make sure we're satisfied.

8 But the basic principal is that returns should  
9 depend--first of all, they should be risk-adjusted. So if  
10 you take a riskier action, that should be taken into  
11 account.

12 And secondly, there should be a longer horizon so  
13 that, not just whether you made the sale, or made the deal,  
14 but rather how did it work out over a number of years.

15 COMMISSIONER GEORGIU: Right.

16 WITNESS BERNANKE: And so things like nonvested  
17 stock, and things of that sort, are ways to achieve that.  
18 So that is another step.

19 COMMISSIONER GEORGIU: And some have suggested a  
20 basket--an index based on a basket of the securities created  
21 so that you can actually track over time the success or  
22 failure of those securities, and compensate people more or  
23 less depending on how they perform.

24 WITNESS BERNANKE: For capitalism to work, you  
25 have to have incentives tied to performance. And I think

1 one of the things people are very upset about is the fact  
2 that it seems like a lot of people who drove their companies  
3 into the ditch walked off with lots of money, and that's not  
4 good capitalism, and it's not good for--it's not a good  
5 ethical outcome, either.

6           The only comment I would make, though, one thing  
7 which is puzzling in a way is that these firms that packaged  
8 the securities, whether it was by mistake or not, ended up  
9 being pretty exposed to them, and they took a lot of losses  
10 in many cases. And so we have to figure out why, even  
11 though they were so exposed to these securitized products,  
12 they weren't more careful. But that's clearly a key issue.

13           COMMISSIONER GEORGIU: Well thank you. And I  
14 think the answer at the end there is: Sometimes they just  
15 got caught without being able to sell them all. I mean, you  
16 know, it is a game, to some extent, like when there's  
17 musical chairs, the music stops and you're not necessarily  
18 finding a seat. And I think that to some extent happened to  
19 some of these institutions.

20           Let me turn--I appreciate your considerations,  
21 and I encourage you, as you look at these institutions on a  
22 go-forward basis, you consider that kind of--those kinds of  
23 thoughts as you evaluate their soundness.

24           There's some data that we've seen that suggests  
25 that the sixth largest U.S. banking organizations, which are

1 BofA, JPMorgan Chase, Citigroup, Wells Fargo, Goldman Sachs,  
2 and Morgan Stanley, now are actually larger as a result of  
3 mergers and the elimination of other institutions than they  
4 were even in 2007 just before the height of the crisis.

5           Apparently they are now--they were 58 percent of  
6 GDP in 2007, and something like 63 percent of GDP in 2009,  
7 which had gone up from 17 percent of GDP in 1995. So  
8 there's been a consolidation and a growth.

9           And I guess my question to you would be: Given  
10 their increasing size, do you really believe that these  
11 institutions would not or would not be allowed to fail by the Fed if  
12 they  
13 got into financial trouble today?

14           I mean, I hope it doesn't happen, but let's just  
15 say for the sake of argument that a diminution in some other  
16 asset class results in serious stress to both the balance  
17 sheet and the liquidity needs of these institutions. Are we  
18 really in any better shape today to avoid the bailouts that  
19 have been so criticized in the last few years?

20           WITNESS BERNANKE: The Federal Reserve was  
21 created, but we're always well within the law, and we always  
22 did what was--only exerted our legal powers. And the  
23 changes in the bill that was just passed has, for example,  
24 eliminated the ability of the Federal Reserve to lend to an  
25 individual institution.

26           So I would say--and it also has specified of

1 course to the resolution regime how we must deal with a  
2 failing systemically critical firm. So, you know, barring  
3 some midnight session of Congress which rewrites the law, I  
4 don't see any way that it would be feasible for the  
5 government to bail out a firm in the same way that happened  
6 during the crisis.

7           So it's very important that we make sure that our  
8 methods that we do have, the resolution regime, et cetera,  
9 that they work. And that's something we're very much  
10 engaged on.

11           I think it's also very important that we make  
12 sure that firms--although we're always going to have big and  
13 complicated firms, we want to make sure that they're big and  
14 complicated for the right reasons, for good economic reasons  
15 and not because they're simply trying to hide behind  
16 too-big-to-fail. And my belief is that, again, the  
17 combination of tougher oversight, additional capital  
18 required for a systemically critical firm, tougher  
19 resolution regime, and those things are going to take away  
20 some of the attractiveness to firms of being too big and  
21 will I think help us over time with market discipline to  
22 reduce the size and complexity of some of these firms.

23           COMMISSIONER GEORGIU: I noted on page 17 of  
24 your prepared testimony you did speak to the size of the  
25 firms and, in certain respects, the unmanageability with

1 regard to risk of some of the institutions.

2 I wonder if--some have suggested that they've  
3 simply gotten too large. I'm not sure I agree. I  
4 understand the notion that we need large institutions to  
5 compete in a global marketplace, and to meet the financing  
6 needs of large--our own large corporations and other  
7 borrowers, but it's not inconceivable and commonly utilized  
8 that when a large credit facility is necessary people enter  
9 into syndicates. If one bank isn't big enough, somebody,  
10 one or two of them take a lead and bring others in. And so  
11 you still end up pulling together the resources necessary.

12 You know, we've had some extraordinarily  
13 startling testimony in the course of our eight months or so  
14 of hearings. We heard from the CEO, the Chief Financial  
15 Officer, and the Chief Risk Officer of AIG that they did not  
16 know that the products sold by the Financial Products  
17 Division had provisions in them that, if the AIG's ratings  
18 went down, or the tranches that they had insured against in  
19 the credit default swaps, the failure of which they'd  
20 insured against, went down, that they had collateral calls  
21 which were ultimately what brought AIG to the brink of  
22 insolvency.

23 And the same, similar kind of astonishing  
24 testimony from Citigroup's then-CEO, Chief Financial  
25 Officer, and Chief Risk Officer, that they did not know that



1 their banking subsidiary had sold collateralized debt  
2 obligations with a liquidity put associated that permitted,  
3 if they were downgraded, permitted the holders to  
4 essentially put them back to Citibank to the main holding  
5 company and get--and they did so. In one day they took \$25  
6 billion and bought this stuff back, which was a third of  
7 their then-capital of \$75 billion on some \$3.3 trillion of  
8 assets.

9 I mean, these were astonishing risk management  
10 failures. And some have even speculated that really they  
11 couldn't possibly have meant it when they testified here  
12 that they didn't know.

13 But assuming for the sake of argument that they  
14 did not know, that really can't--ought not to occur on a go-  
15 forward basis. So are these institutions so complex and so  
16 diverse in their product mix that they've become too large  
17 to manage? And if that's the problem, then how do we  
18 address that from the Federal Reserve's perspective?

19 WITNESS BERNANKE: Well it's our responsibility,  
20 and the other regulators', to make sure that their  
21 management is effective and that they have good risk  
22 management system.

23 And if we are persuaded that they cannot manage  
24 the risks of the corporation because it's too large or  
25 complex, we are able--we have the authority to make them

1 divest, or to change their structure. And that is not even  
2 counting the new authority that if a firm is viewed as being  
3 systemically risky, that it could be broken up on that  
4 ground, as well.

5           So we do have some authority there. And in the  
6 case, for example, of Citi, which you mentioned, they are in  
7 fact--they have created a very substantial portion of their  
8 company, put it into a separate structure which is being  
9 sold off.

10           So I agree with you that, where there is failure  
11 of risk management, or business management, because of size  
12 or complexity, it is very important that the firm and the  
13 regulators work to address the problem, and I assure you  
14 that we will.

15           COMMISSIONER GEORGIU: Thank you, very much. If  
16 I might, could I reserve two minutes of my time?

17           CHAIRMAN ANGELIDES: You've got one minute and  
18 seventeen seconds, but we will graciously grant you the  
19 forty-four seconds.

20           COMMISSIONER GEORGIU: Thank you very much.

21           CHAIRMAN ANGELIDES: Mr. Holtz-Eakin.

22           COMMISSIONER HOLTZ-EAKIN: Thank you,  
23 Mr. Chairman, and thank you, Mr. Chairman for spending this  
24 time with us today.

25           I guess I would like to follow those who preceded

1 me in thanking you for your service during this very  
2 difficult period. And more generally, to the Federal  
3 Reserve for its cooperation with this inquiry throughout.  
4 It's really been very helpful.

5 I don't have a particularly systematic set of  
6 questions. I have a couple of things I'm curious in, but I  
7 want to go back to the trigger that you mentioned, the  
8 housing bubble subprime crisis.

9 You touched on this some in your written  
10 testimony, but could you just walk us through your  
11 view of the causes of the housing bubble? And I'm  
12 interested in the points of recognition within the Federal  
13 Reserve when we had a housing bubble, and sort of what your  
14 policy options were in light of that.

15 WITNESS BERNANKE: So bubbles by their very  
16 nature are extremely difficult to understand, even after the  
17 fact.

18 The house prices began to increase fairly rapidly  
19 in the middle to late '90s. And then of course they  
20 accelerated to some extent in the early 2000s, and then  
21 peaked in 2005-2006.

22 My own view is that there are many factors that  
23 contributed to that. In my testimony I discussed two that I  
24 think are important.

25 One was the interaction of expectations and

1 optimism on the one hand, and innovation and mortgage  
2 instruments on the other. What you saw was an increased  
3 willingness on the part of lenders to make loans to people  
4 who were really not qualified on the expectation that  
5 appreciation in the value of their homes would allow them,  
6 by giving them more equity, would allow them to refinance  
7 into more standard instruments.

8           And what we saw as the crisis progressed was  
9 increasingly sketchy instruments that had, if they had even  
10 existed prior, had been reserved only to very limited groups  
11 of customers. But now you had people who had not bought a  
12 house before using Option ARMs, and Interest Only, and other  
13 complex mortgage instruments whose primary purpose was to  
14 bring the monthly payment to as low a level as possible.

15           And again, that worked okay as long as prices  
16 were rising. But of course prices couldn't rise forever.  
17 And once they stopped rising, the whole process unwound. So  
18 I think that was very important. And people like Bob  
19 Shiller have pioneers in identifying those issues.

20           Another factor which I have talked about since  
21 2005 is the so-called "global saving glut." All that really  
22 means is that, for a variety of reasons--and the timing here  
23 works well--going back into the '90s the U.S. has been a  
24 major recipient of global capital flows, and a lot of those  
25 capital flows have gone into relatively safe fixed-income

1 instruments like mortgage-backed securities, or securitized  
2 credit products.

3 That includes not only the excess savings from  
4 Asia, emerging markets, and oil producers, but also even the  
5 gross savings from Europe and other places that have been  
6 looking for those kinds of instruments.

7 And so that demand both reduced mortgage rates,  
8 reduced spreads, and gave investment houses in the U.S. and  
9 elsewhere an incentive to create these new products, the  
10 alchemy that Mr. Georgiou was talking about, taking  
11 uncertain mortgages and by restructuring them creating these  
12 tranches of so-called AAA Senior, Super Senior debt, et  
13 cetera.

14 So I think that was probably important.

15 The controversial issue, because it matters so  
16 much for the future of how monetary policy is conducted, is  
17 what role did monetary policy play? And there's a lot of  
18 conventional wisdom about this. And I think the only honest  
19 answer is: We really don't know exactly how big the role  
20 was.

21 But I have tried to give some arguments why I  
22 think that the view that monetary policy was a principal  
23 cause is not supported by the evidence, and I can repeat  
24 that if you'd like, but very briefly there was the fact that  
25 the previous relationships between monetary policy and

1 housing prices don't look remotely like what they would have  
2 had to have been in order to account for the increase in  
3 house prices in the recent episode.

4 Cross-country, we don't see any relationship  
5 between monetary policy and housing prices. And finally, I  
6 think even if there had been some relationship, it would  
7 have been very questionable that we should have, you know,  
8 substantially raised interest rates in the situation in  
9 2003-2004, given what was happening in the macro economy as  
10 an attempt to try and close off the housing bubble.

11 My strong preference--and I said this in my very  
12 first speech as a Governor in 2002--was that we should use  
13 supervision and regulation to approach bubbles. We didn't  
14 do that--

15 COMMISSIONER HOLTZ-EAKIN: Thank you.

16 WITNESS BERNANKE: --going forward we need to be  
17 able to do that. And that's very important.

18 On the Fed's views, the Fed has taken criticism  
19 for not, quote, "recognizing the obvious," et cetera. We  
20 always of course knew the house prices were rising quickly,  
21 but as of 2003-2004 there really was quite a bit of  
22 disagreement among economists about whether there was a  
23 bubble, how big it was, whether it was just a local or a  
24 national bubble. So we were certainly aware of that risk  
25 factor.

1           But, you know, frankly we--by the time it was  
2   evident that it was a bubble and that it was going to create  
3   risk to the financial system, it was rather late to address  
4   it through monetary policy.

5           COMMISSIONER HOLTZ-EAKIN: So if you rolled the  
6   clock forward then, and we get into the subprime mortgage  
7   crisis, there's a point at which I believe you say it will  
8   be contained and not spill over. And without pointing  
9   fingers, I'm just curious, what was the basis of that  
10  judgment? And what were the things you didn't know--because  
11  it obviously did.

12          WITNESS BERNANKE: So this was related to, in  
13  fact the thinking was that if house prices did come down  
14  some, and that 25-30 percent was not what people were  
15  contemplated, but if they did come down some, that the  
16  economy could manage that okay.

17          And when I said what I said, it was based on the  
18  observation that even under very bad scenarios, the total  
19  losses in subprime adjustable rate mortgages, for example,  
20  were unlikely to be more than say \$300 or \$400 billion,  
21  which is a lot of money obviously, but compared to global  
22  financial markets where there's \$60 trillion of equity value  
23  in markets around the world, it was just a very small amount  
24  of money.

25          So the loss of \$3- or \$400 billion of equity

1 value would do almost nothing to the world economy.

2 But what happened here was that the financial  
3 system had these vulnerabilities and weaknesses, which I  
4 talked about in my longer testimony, and what was a  
5 relatively small factor in the scheme of things triggered  
6 these weaknesses and led to a much bigger crisis.

7 And so what I did not recognize when I thought  
8 and said that this crisis was contained was that it was  
9 based on my view that the losses were going to be, you know,  
10 manageable. What I did not recognize was the extent to  
11 which the system had flaws and weaknesses in it that were  
12 going to amplify the initial shock from subprime and make it  
13 into a much bigger crisis.

14 COMMISSIONER HOLTZ-EAKIN: And so if we then move  
15 to the crisis, I want to talk a little bit about  
16 too-big-to-fail institutions in both the history we have to  
17 investigate, and then going forward.

18 So as it sort of bleeds into the broader  
19 financial markets, what institutions are you watching  
20 carefully? And by what criteria are you selecting the ones  
21 that you really are worried about?

22 WITNESS BERNANKE: You mean today?

23 COMMISSIONER HOLTZ-EAKIN: At the time. You  
24 know, as the crisis begins to unfold, what was the nature of  
25 the Fed's criteria for identifying institutions that they



1 needed to be on watch against?

2 WITNESS BERNANKE: Well, again, to begin with  
3 it's important to remember that the Fed was not a systemic  
4 regulator at that time.

5 We had some very specific responsibilities for  
6 bank holding companies, principally. We did not have  
7 responsibilities for AIG, or for the investment banks, or  
8 for Fannie and Freddie, or for mortgage bankers. So many of  
9 the areas where there were problems, we simply did not have  
10 an ongoing authority or supervisory presence.

11 And so we did not get heavily involved in any of  
12 those situations until well into the crisis when, say, maybe  
13 around the time of Bear Stearns when it was evident that  
14 some important financial institutions were under a lot of  
15 stress. And at that point, the Fed, the Treasury, and to  
16 some extent the FDIC and other agencies, were then coming  
17 together to try to think about how to address them.

18 So we came rather late to some of these firms.  
19 And that was simply the nature of our responsibilities and  
20 our authorities.

21 In terms of which firms to pay attention to,  
22 there are multiple criteria. Certainly size is important.  
23 But size is by far not the only criterion. For example,  
24 Bear Stearns was not that much larger than WaMu for example-  
25 -

1                   COMMISSIONER HOLTZ-EAKIN: Right.

2                   WITNESS BERNANKE: --but Bear Stearns was a much  
3 more complex firm. It had a large presence in the triparty  
4 repo market--that is, in the short-term money market--and in  
5 securities lending, and other short-term financing. It had  
6 a large derivatives book. So it was very interconnected.

7                   The nature--a very important aspect of the crisis  
8 was a rolling panic: the notion that as confidence was  
9 lost, firms that were vulnerable from a liquidity point of  
10 view came under increasing attack. And in some cases also  
11 via the Stock Market, the declines in stock prices reduced  
12 confidence, et cetera, as well.

13                   It was our view that the failure of Bear Stearns,  
14 for example, would lead to some of the same effects we saw  
15 with Lehman six months later. That is, huge stresses in the  
16 repo markets; problems in the commercial paper market, other  
17 money markets; and that those short-term liquidity stresses  
18 would feed over into other firms, even those firms that  
19 didn't have direct counterparty relationships with Bear  
20 Stearns.

21                   So it was those criteria: Size.  
22 Interconnectedness. Complexity. And also performance of  
23 critical functions.

24                   So, for example, banks like JPMorgan and Wachovia  
25 had very important roles in various payments and settlements

1 and other infrastructure-type aspects of the financial  
2 system, and that was an additional consideration as we  
3 looked at these firms.

4           COMMISSIONER HOLTZ-EAKIN: Thank you. I don't  
5 want to put words in your mouth, but when we talked  
6 yesterday with former Under Secretary Steel about this, it  
7 really appeared that in the crisis what mattered most was  
8 not size, interconnectedness, complexity, but which markets  
9 were showing signs of distress and panic. And if firms were  
10 in that market, that was the criteria for intervention.

11           And the reason I wanted to push this is, in the  
12 sort of new legislation there's a whole lot of ex-ante sort  
13 of thinking about who is going to be the systemically  
14 important institutions, which it doesn't appear that you  
15 could anticipate because you don't know the markets that  
16 will be distressed.

17           Do you think that's a fair concern?

18           WITNESS BERNANKE: Well it is a fair concern.  
19 The legislation requires us to identify systemically  
20 important institutions for the purposes of oversight, but I  
21 don't believe that you have to be pre-identified as  
22 systemically important for the resolution regime to apply to  
23 a firm.

24           I think that's a decision that's made at the  
25 time.

1                   COMMISSIONER HOLTZ-EAKIN:  Okay, but how then  
2  could they prepare a living will if they have not been  
3  identified as someone who should be resolved?

4                   WITNESS BERNANKE:  Well I think that for firms  
5  that are on the cusp, if you will, I think prudence might  
6  have us work with them on these issues in any case.  I think  
7  that would be important for complex firms.

8                   But you raise an important point.

9                   COMMISSIONER HOLTZ-EAKIN:  I'm just trying to  
10 figure out how this works.

11                   The second question I have--this is a slight  
12 tangent--but on the living will, I'm just wondering how you  
13 think about this, is we relied in the past on systems of  
14 internal risk assessment as a substitute for direct  
15 measurement of the risk exposures of firms because they were  
16 too complicated for us to do an assessment of the risk, so  
17 we wanted to make sure they had good systems.

18                   If firms are too difficult to resolve, can we  
19 rely on their plans for resolving themselves if we don't  
20 understand how to do it?  It sounds like the same thing.

21                   WITNESS BERNANKE:  They have to come up with the  
22 plan, but then we have to--so they are better placed than we  
23 are to figure out the best way to unwind the firm.  But we  
24 have to take the responsibility, with their cooperation, of  
25 assuring ourselves that it is a workable plan.  And the

1 responsibility for that is the Fed, the FDIC, and whatever  
2 other regulator is relevant. And so we are going to put  
3 together a lot of expertise and try and figure that out.

4 At the Fed, one of the lessons we have taken from  
5 the crisis is that we really need to take a much broader,  
6 more multi-disciplinary approach. We need to bring in more  
7 finance people, more economists, more payments' people, more  
8 lawyers, more accountants, to supervise--to supplement the  
9 supervisory activities and make sure we really have the  
10 breadth of perspective that we need to get this done.

11 COMMISSIONER HOLTZ-EAKIN: Okay. So, sorry to  
12 jump back and forth, but going back now to as the crisis  
13 unfolded and the Fed's decisions about where to actually  
14 intervene with institutions, I want to ask again about  
15 Lehman versus AIG, just for thinking about the criteria for  
16 intervention. And what I'm not sure I understand is what  
17 you said about AIG, that it was easy to make a loan in that  
18 case, and I guess I just want to walk through the logic of  
19 that.

20 Because you said you didn't want to loan to  
21 Lehman because you would be lending into a run, and that  
22 they didn't have sufficient assets and you wouldn't get  
23 repaid.

24 AIG had no buyer, so it looked a lot like Lehman  
25 in that regard. There was clearly a run, a liquidity run.

1 And you did ultimately lend into it. And indeed, had to go  
2 back and lend a lot more in short order. So it didn't look  
3 like you both lent into the run and stopped it; it looked  
4 like it continued, to me.

5 And what I'm confused about is your assessment of  
6 the ability to get repaid. Because my understanding--and  
7 this could be wrong--is that a lot of the assets they had  
8 were not available as collateral for loans; they would be  
9 locked away in the insurance divisions in the firm.

10 And so what is the difference in the thinking  
11 about Lehman versus AIG and the nature of Fed intervention?

12 VICE CHAIRMAN THOMAS: Mr. Chairman, I yield the  
13 gentleman two additional minutes to cover the answer.

14 COMMISSIONER HOLTZ-EAKIN: Thank you.

15 WITNESS BERNANKE: So first, both of them bet the  
16 criterion for us trying to save them if at all possible.  
17 They both were systemically critical. But AIG had a  
18 completely separate business, an ongoing business, that had  
19 a going-concern value. It had a lot of shareholder equity.

20 It had subsidiaries that we're seeing now that  
21 they're trying to sell off that have substantial value. And  
22 so it was our assessment that they had plenty of collateral  
23 to repay our loan--because it was in a separate business  
24 that did have a lot of going-concern value and did have a  
25 lot of assets.

1                   Now it is true that in the fourth quarter they  
2 lost more money than any company in history, like \$62  
3 billion, and that made things much more difficult, and  
4 therefore required some additional help from the Treasury in  
5 terms of capital, et cetera.

6                   But I think at the time that we made that  
7 decision, the problems with AIG didn't relate to weaknesses  
8 in their insurance businesses, it related very specifically  
9 to the losses of the Financial Products Division. The rest  
10 of the company was, as far as we could tell, was an  
11 effective, sound company with a lot of value, and that was  
12 the basis on which we made the loan.

13                   COMMISSIONER HOLTZ-EAKIN: So the calculation is,  
14 you can lend into the run at AIG and stop it eventually--  
15 perhaps it took longer than you thought--

16                   WITNESS BERNANKE: As long as they have enough  
17 collateral to--

18                   COMMISSIONER HOLTZ-EAKIN: --and there's no  
19 capital hold on an ongoing concern, but the same is not true  
20 for Lehman?

21                   WITNESS BERNANKE: Lehman did not have enough  
22 collateral in terms of financial assets, and its going-  
23 concern value was tied up completely in its financial  
24 operations. It didn't have a separate business, insurance  
25 or other business, that provided additional value and

1 protection.

2 COMMISSIONER HOLTZ-EAKIN: Well, last question,  
3 and just briefly. What would be different now--Bear,  
4 Lehman, AIG--with the new authorities of the Fed? How would  
5 that have played out if you had had the authorities you have  
6 now? What would you have done in each case?

7 WITNESS BERNANKE: Well, in the case of Bear,  
8 remember Bear was acquired by JPMorgan--

9 COMMISSIONER HOLTZ-EAKIN: But it was a  
10 subsidized acquisition.

11 WITNESS BERNANKE: A subsidized acquisition.  
12 Maybe the existence of this resolution regime might have  
13 changed the bargaining position somehow.

14 COMMISSIONER HOLTZ-EAKIN: Okay.

15 WITNESS BERNANKE: So if we could have gotten  
16 them acquired, I think that would have been the first  
17 choice. But without any kind of subsidy.

18 Barring that, I think in all three cases they  
19 would have been appropriate candidates for the application  
20 of this regime and we would have supported that.

21 COMMISSIONER HOLTZ-EAKIN: And so in particular  
22 AIG, a firm you assessed to be a healthy, ongoing concern,  
23 would have been resolved?

24 WITNESS BERNANKE: I don't see what the  
25 alternative would have been, unless we could have somehow



1 stopped the run through some kind of cheery words of some  
2 kind. I don't know how to do that.

3 COMMISSIONER HOLTZ-EAKIN: If you figure that  
4 out, let me know. Thank you.

5 WITNESS BERNANKE: I'll let you know.

6 (Laughter.)

7 CHAIRMAN ANGELIDES: Senator Graham.

8 COMMISSIONER GRAHAM: Thank you, Mr. Chairman,  
9 and thank you, Mr. Chairman, for your excellent insights  
10 today.

11 I'll have to say it seems to me that we sort of  
12 have three options in looking at this issue of what to do  
13 when the too-big-to-fail institutions get in trouble, one  
14 which the legislation has provided apparently as a somewhat  
15 neater and cleaner funeral service as to how to bury the  
16 body.

17 The others are steps that might be taken to keep  
18 the institution healthy, such as the kind of more rigorous  
19 oversight and regulation that you have discussed.

20 Or, the third option, might be the option of the  
21 late 19th and early 20th Century with a similar situation.  
22 And that is, to try to change the basic structure of the  
23 too-big-to-fail institutions.

24 Beginning shortly after the Civil War, the growth  
25 of the commercial and industrial trust became a source of

1 concern. And at both the federal and the state level there  
2 were a number of efforts made to try to contain their more  
3 predatory policies.

4 Finally, people despaired of that, and then in  
5 the early 20th Century they moved towards breaking up the  
6 trust as the only way to keep them from fundamentally  
7 damaging our capitalist system.

8 Apparently this legislation has decided that is  
9 not going to be the option that we will use, and in fact the  
10 statistics are that these institutions are growing rapidly  
11 as an even more dominant force within our economy.

12 You indicated some optimism about the ability to  
13 supervise these institutions, and you stated that there will  
14 be indicators that will indicate--that will be indicative of  
15 whether this more strenuous regulation is accomplishing its  
16 intended purpose.

17 I will have to say I am not that optimistic.  
18 First, I'm not optimistic domestically. For the last three  
19 decades, the American People have elected governments, both  
20 Republican and Democratic, which have tended to support  
21 looser and looser standards of regulation. Some of the most  
22 significant occurred during a Democratic Administration.

23 At the international level, we see the influence  
24 of these largest institutions. It's been reported currently  
25 that in Basel that the Committee is under a great deal of

1 pressure to weaken the standards for collateral and  
2 liquidity that had originally been proposed.

3           So what is your--what is the basis of your  
4 optimism that domestically there is the political will for  
5 sustained stronger supervision; and that there will be  
6 international support for that kind of effort, so that  
7 stronger supervision at home is not seen as a means of  
8 neutering our ability to be an effective competitor in the  
9 global financial markets?

10           WITNESS BERNANKE: Well, Senator, you've raised  
11 some good issues there. I think if there's a lack of  
12 political will, there is probably no solution that is  
13 sustainable.

14           I think that the combination, as I said before,  
15 ideally we would like to see firms restructured in a way  
16 that makes economic sense, and that is consistent with  
17 market forces. And the best way to do that, at least in  
18 principle, would be to combine tough oversight and  
19 regulation, including such things as surcharges for--capital  
20 surcharges for firms that are systemically critical, which  
21 would both make them safer but also make it more onerous to  
22 be a systemically critical firm. Combine that with the  
23 resolution regime, or similar things that create more market  
24 discipline. And in principle--and of course I recognize  
25 this may not happen; but I think we should try to work to

1 make it happen--in principle that would give firms the  
2 incentives to break up, restructure, and change their form  
3 in ways that will respond to the market, respond to the size  
4 and complexity, which is what is really needed, and  
5 eliminate the incentive to become big, just to become too  
6 big to fail.

7           Now you said that the bill doesn't give us the  
8 authority. In fact, it does give us the authority if we  
9 despair of these other methods and we believe that a firm  
10 is, its size and complexity is dangerous. We have both the  
11 living will requirement, but in addition we also have the  
12 authority of the regulators collectively to break up firms,  
13 if necessary.

14           You may ask if there is political will to do  
15 that? And I don't know the answer to that question. But  
16 certainly that is the charge that Congress has given the  
17 regulators, and we take very seriously that charge.

18           So I think we have put in place some reasonable  
19 approaches, but I certainly appreciate your historical  
20 perspective which says of course that over the long run you  
21 have to take into account the political influence of these  
22 large institutions. I think that is an issue.

23           COMMISSIONER GRAHAM: Well, and in terms of the  
24 will of the institutions themselves, there has been quite a  
25 division in American industry. Some industries have adopted

1 levels of self-regulation which have provided a defense-in-  
2 depth against unacceptable behavior.

3 For instance, the nuclear power industry has  
4 developed some very impressive processes within the  
5 industry, nongovernmental, for best practices and  
6 enforcement of those best practices.

7 On the other hand, the deep-water oil and gas  
8 drilling industry has had almost none of that, and we have  
9 just seen one of the manifestations of the failure to have  
10 any kind of internal controls.

11 Is there any indication that within the financial  
12 community, are they more like the nuclear power industry?  
13 Or are they more like deep-water drilling in terms of their  
14 indicated willingness to provide defense-in-depth by their  
15 own actions?

16 WITNESS BERNANKE: Well it's an interesting  
17 question. Historically, again to go back to the historical  
18 analogies, there was a lot of self-regulation in the  
19 financial industry.

20 There was a time when the principal regulatory  
21 agency was the clearinghouse of the banks themselves within  
22 a city, and they monitored the health and stability of the  
23 other banks because they recognized if one bank failed that  
24 they were at risk as well.

25 Clearly we have gone a long way away from that

1 model, and we are now primarily in a government regulatory  
2 model. And I think that is the dominant factor.

3 I hope, again, though, that regulation itself is  
4 not going to be adequate. We need to have market  
5 discipline. We need to have incentives in place for firms  
6 to manage their own risk, to take their appropriate  
7 decisions based on the market signals and the incentives  
8 that they are receiving.

9 And it's the combination of those two things that  
10 I see as having the best chance of managing the risk in this  
11 sector. But it is, I think--you know, I don't think we're  
12 really at the nuclear power type of model at this point.

13 COMMISSIONER GRAHAM: Mr. Chairman, could I have  
14 two additional minutes for a question?

15 CHAIRMAN ANGELIDES: How could I say no to you?  
16 Two minutes for the Senator in the deliberative body with no  
17 time limits.

18 (Laughter.)

19 COMMISSIONER GRAHAM: I was very intrigued with  
20 your statement that there are going to be some indicators,  
21 some markers of whether this more rigorous supervision is  
22 accomplishing its objective.

23 What would you put down in the vertical column as  
24 the--what are those indicators, particularly that have some  
25 capacity to be quantified, that you'll be looking at to

1 answer the question: Is the tougher regulation working?

2 WITNESS BERNANKE: Well certainly one important  
3 set of indicators relates to the cost of capital for these  
4 firms. If they're not too big to fail, then an important  
5 source of their market advantage will be eliminated.

6 So for example you would expect to see wider risk  
7 spreads, or higher CDS spreads, reflecting the increased  
8 conviction of the market that they could fail; and that  
9 those spreads should be more responsive to market  
10 developments.

11 So that would be one set of things. And then we  
12 could also look at things like return-on-equity, which  
13 should not be artificially increased by too big to fail  
14 characteristics of the firm.

15 COMMISSIONER GRAHAM: And do you see the Fed  
16 developing this report card of indicators and periodically  
17 making it available to the public so that there will be the  
18 capacity for continued public monitoring of how well the  
19 supervisory system is functioning?

20 WITNESS BERNANKE: Well some of the indicators I  
21 just suggested are already obviously public, and anyone can  
22 look at them.

23 We have developed--we are well along in  
24 developing a quantitative surveillance mechanism which will  
25 be looking at a whole variety of financial and other

1 indicators of individual firms, and using them as a  
2 supplement to the on-site supervision that the supervisors  
3 do.

4 I am not sure yet, you know, in what form we will  
5 communicate this information to the public, but we certainly  
6 want to make sure the public is confident that firms are  
7 safe and sound. So we will try to find ways to communicate  
8 that effectively.

9 COMMISSIONER GRAHAM: Well, just to conclude,  
10 going back to the importance of the public seeing that this  
11 is not only in their individual interest but also in the  
12 broader societal interest to have effective regulation so we  
13 reduce the likelihood of firms getting into the extremis  
14 situation where you have to plan the cleaned-up funeral, I  
15 believe that keeping the public informed is a critical  
16 element of building that support. So I would urge you to  
17 make this as communicative and as publicly available as  
18 possible.

19 WITNESS BERNANKE: Thank you.

20 COMMISSIONER GRAHAM: Thank you.

21 CHAIRMAN ANGELIDES: Thank you, Senator. Mr.  
22 Thompson.

23 COMMISSIONER THOMPSON: Thank you very much, Mr.  
24 Chairman. It's out of order today. I didn't realize that.

25 CHAIRMAN ANGELIDES: It's a little switch-up, you



1 know, last session.

2 COMMISSIONER THOMPSON: Keep us all on our toes.

3 Thank you, Dr. Bernanke, for joining us. While  
4 this hearing is about too big to fail, I would like however  
5 to go back to the broader issue of the crisis, if I might.

6 So would you describe for us the role that the  
7 Federal Reserve plays in monitoring or managing credit  
8 standards in our country?

9 WITNESS BERNANKE: Well as I mentioned earlier,  
10 the Federal Reserve has had a role in consumer protection.  
11 So we have created rules, for example, on required  
12 documentation; escrow accounts; and other standards of  
13 underwriting that would apply to mortgages.

14 The other main area that I can think of is, like  
15 other bank regulators, we want to make sure that banks--  
16 while it's their decision what kind of risk to take, and  
17 what loans to make--that they are adequately capitalized in  
18 order to deal with any losses that might occur.

19 And so we are pressing for, on the one hand,  
20 strong risk-sensitive capital standards which will tie the  
21 amount of capital that banks have to hold to the risk of the  
22 loans that they make, and therefore if they make a riskier  
23 loan they need to hold more capital, and they have to judge  
24 for themselves whether economically it makes sense to do  
25 that.

1                   And we also want to continue to work with the  
2 accountants and the SEC and others to make sure that banks  
3 have adequate reserves against losses.

4                   So by providing adequate capital and reserves,  
5 banks have I think the right incentives to make adequate  
6 loans. We don't generally--some countries, and it's an  
7 interesting idea, some countries, the authorities actually  
8 intervene in things like loan-to-value ratios, down-  
9 payments, and things of that sort. You know, we haven't  
10 done that in this country, but I think we ought to look  
11 broadly at how we might ensure that we don't have a system  
12 where credit gets too easy in the boom and too tough in the  
13 downturn.

14                   COMMISSIONER THOMPSON: In your written testimony  
15 you commented about the innovation that occurred in the  
16 market, primarily around originate-to-distribute model and  
17 what have you, which clearly was facilitated by lax lending  
18 standards.

19                   Could the Federal Reserve not have stepped in as  
20 it saw this model being developed in this innovation really  
21 putting the economy at risk?

22                   WITNESS BERNANKE: Well as I've said, I think we  
23 bear some responsibility there. And I think primarily in  
24 two areas.

25                   The first was in the underwriting standards and

1 the application of the HOPA regulations. The problem there,  
2 again acknowledging the concern, you know one of the  
3 problems there was that, although the Federal Reserve had  
4 the authority to write rules, we had no enforcement  
5 authority.

6 We would have had to rely on state and other  
7 regulators to enforce those rules. And it was partly  
8 because we weren't supervising these firms that we didn't  
9 see what was going on quite as clearly that we didn't  
10 respond as quickly as we should have. But that was an  
11 important failure, as I've agreed many times.

12 The other area where both we and other bank  
13 supervisors I think should have been more effective was in  
14 risk management more generally. The firms did not have  
15 enough information about what the brokers were doing on  
16 their behalf, what kinds of standards they were applying.

17 They didn't know their own exposures to subprime  
18 and other types of mortgages. As was pointed out, they  
19 relied too heavily on the credit rating agencies who  
20 themselves had flawed models that ignored correlated risks  
21 across housing prices across parts of the country.

22 So I think those were the two areas where the Fed  
23 could have--the Fed and other bank regulators--could have  
24 done more. One was at the underwriting level, and the  
25 second was just in the general risk management of the firms

1 to understand their exposures both in terms of their own  
2 losses, but also their reputational and operational risks  
3 that they were taking as they were packaging these  
4 mortgages.

5           COMMISSIONER THOMPSON: Given my background the  
6 technology business, I have an appreciation for the value of  
7 innovation, and I have an even stronger appreciation for the  
8 role that technology plays in the financial services sector,  
9 perhaps the largest consumer in technology as a sector in  
10 our economy.

11           Given that, and given the role of innovation in  
12 that sector, what more should be done to manage the  
13 innovation process within the financial services sector in  
14 such a way that it doesn't create a systemic risk to the  
15 economy?

16           WITNESS BERNANKE: I think one of the lessons of  
17 the crisis is that innovation is not always a good thing.  
18 There are innovations that have unpredictable consequences.  
19 There are innovations whose primary purpose is to take  
20 unfair advantage, rather than to create a more efficient  
21 market.

22           And there are innovations that can create  
23 systemic risks even if from the perspective of the  
24 individual firm, you know, that risk is not evident.

25           So I'm not sure I would go so far as to say we

1 need to have sort of a new product-approval safety  
2 commission, or something like that--although the CFPB will  
3 do some of that I'm sure.

4           But the new Financial Stability Oversight  
5 Council, for example, ought to pay close attention to  
6 financial innovations and regulators. As we look at the  
7 risk management and the systemic consequences of these  
8 decisions, we need to be assertive if there are developments  
9 that we find either counterproductive from the perspective  
10 of consumer protection, or systemically risky. I think we  
11 ought to intervene there.

12           COMMISSIONER THOMPSON: You made a comment in  
13 your opening statement about your long-standing background  
14 as a student of financial markets and financial crisis. And  
15 oftentimes in a crisis leaders are asked to do things  
16 they've never had to do before. Oftentimes that means  
17 asking for forgiveness, as opposed to permission.

18           In hindsight, would you have preferred now to  
19 have asked for forgiveness and done something to save Lehman  
20 in such a way that this crisis would not have unfolded the  
21 way it did in our economy and our country?

22           WITNESS BERNANKE: You know, it's really hard to  
23 know what would have happened. I mean, one possible  
24 scenario is that we would have--I mean, the only we could  
25 have saved Lehman would have been by breaking the law, and

1 I'm not sure I'm willing to accept those consequences for  
2 the Federal Reserve and for our systems of laws. I just  
3 don't think that would be appropriate.

4 So I wish we had saved Lehman, but--and we tried  
5 very, very hard to do so, but it was beyond our ingenuity or  
6 capacity to do it. And I don't think--I'm willing to be  
7 creative, but I'm not willing to--

8 COMMISSIONER THOMPSON: But you did see it  
9 coming.

10 WITNESS BERNANKE: We saw there were a lot of  
11 risks in Lehman and other companies as well, but the actual  
12 failure was not preordained. I mean, for example we were  
13 hopeful, maybe too hopeful, even up to the last day, that we  
14 had two potential acquirers--

15 COMMISSIONER THOMPSON: My reference was more to  
16 the consequences of their failure. You saw the  
17 consequences. You predicted that.

18 WITNESS BERNANKE: I was personally convinced.  
19 And I guess I would add that, you know, in our decision to  
20 rescue AIG I sort of gambled--I sort of--I was sort of  
21 taking a risk that, you know, it could have happened, I  
22 suppose, that after a few days of market upset that the  
23 market would have digested the Lehman event and people would  
24 have said, well what the hell were you doing with AIG?

25 In fact, I was very, very confident that Lehman's

1 demise was going to be a catastrophe, and I knew AIG's  
2 demise would be a catastrophe, and therefore I did whatever  
3 I could to prevent that.

4 COMMISSIONER THOMPSON: So there was no way in  
5 our system that someone with your perspective and insight could  
6 have even influenced the White House to say, we cannot let  
7 this happen?

8 WITNESS BERNANKE: The White House was well  
9 informed, and they were very supportive as--both the  
10 previous Administration and the new Administration were very  
11 supportive. We thought of all kinds of creative things, but  
12 we could not find a way to do it.

13 And, you know, again, I'm not prepared to go  
14 beyond my legal authorities. I don't think that's  
15 appropriate.

16 COMMISSIONER THOMPSON: Understood. Thank you  
17 very much.

18 CHAIRMAN ANGELIDES: Thank you, Mr. Thompson.  
19 Mr. Wallison. I'm just full of surprises today.

20 COMMISSIONER WALLISON: Yes. This is called  
21 Chairman's discipline.

22 COMMISSIONER WALLISON: Prerogative.

23 CHAIRMAN ANGELIDES: It's called actually  
24 something simpler: working from the outside in today.

25 COMMISSIONER WALLISON: Like market discipline by

1 the Chairman.

2 (Laughter.)

3 COMMISSIONER WALLISON: Okay, thank you very  
4 much, Mr. Chairman, and thank you for coming Mr. Chairman.

5 I would like to explore something called the  
6 discount window a little bit. My understanding of the  
7 purpose of the discount window for banks is that it is an  
8 opportunity for a bank to take assets that are not liquid  
9 and provide them as collateral to the Fed, and the Fed in  
10 turn monetizes them in effect and the bank can then use that  
11 cash to meet its obligations.

12 One of the purposes of it is to address--deal  
13 with runs. When a bank is facing runs, assuming that it is  
14 solvent it can present collateral, including loans, which  
15 are illiquid to the Fed, and if the Fed judges that those  
16 loans have some value, giving them an appropriate discount,  
17 it provides cash to the bank to meet the loans--to meet the  
18 obligations.

19 The fact that the Fed is doing that is very  
20 influential with the market. That is to say, people say,  
21 well, as long as I can make these withdrawals--that is, in a  
22 run--and the cash is always there, and the Fed has been  
23 lending the money, the Fed must think they're solvent, and  
24 that would be the only circumstances under which you would  
25 do that, then the run is supposed to sort of come to an end.



1           That's the theory. The market is quite satisfied  
2   that the cash is always going to be there. There's no point  
3   in continuing to run and take cash out of the bank.

4           Now Wachovia is an interesting case, because as  
5   far as I can understand the only thing that was considered  
6   for Wachovia--which again I would like your judgment on this  
7   of course--the only thing that was considered for Wachovia  
8   was an acquisition. Whereas, Wachovia, at least as far as  
9   we understand it, was solvent but was subject to liquidity  
10  problems. That is to say, there were runs.

11           Why was it, then, that as an alternative Wachovia  
12  was not able to use the discount window?

13           WITNESS BERNANKE: Well they were allowed to use  
14  the discount window. And you raise a good question, and  
15  perhaps I could come back with more information subsequent  
16  to this hearing. But their liquidity drains were quite  
17  serious, and they were--it was their judgment that they were  
18  not going to be able to open up within a day or two. They  
19  thought that the liquidity drains were such that they could  
20  not meet them even with the discount window.

21           COMMISSIONER WALLISON: This was Wachovia's  
22  judgment? They were the ones who said we cannot survive  
23  this?

24           WITNESS BERNANKE: Confirmed by the Richmond  
25  Federal Reserve Bank.

1                   COMMISSIONER WALLISON: Okay. So it wasn't that  
2 they were--anyone considered them to be insolvent? It was  
3 simply a matter of their view, Wachovia's view, that they  
4 could not survive this run even if they were able to provide  
5 collateral to the Fed?

6                   WITNESS BERNANKE: I think there was uncertainty  
7 about whether they were solvent or not, because even though  
8 they had regulatory capital, that capital was not very risk-  
9 sensitive. And what drove--I think what initiated the run  
10 on Wachovia was the failure of WaMu, which had mortgages  
11 that were similar quality, similar type to those that  
12 Wachovia had.

13                   So part of my problem here is I don't recall  
14 exactly the discussion, and I would like to get back to you  
15 on that.

16                   COMMISSIONER WALLISON: I'd like you to do that.

17                   WITNESS BERNANKE: But your point is well taken.

18                   COMMISSIONER WALLISON: All right, then let's  
19 move from there to the Lehman case, because the Lehman is  
20 slightly different in one sense. And that is that, although  
21 the media had said that the Fed had given investment banks  
22 access to the discount window, that was not exactly true, as  
23 I understand it from a discussion I had with Mr. Baxter  
24 yesterday.

25                   What was done was that under 13.3, your special

1 powers to deal with serious financial consequences, it  
2 enabled you to make available to investment banks funds from  
3 the Fed for which you would be getting some kind of  
4 collateral.

5           Now we were told by Mr. Fuld yesterday, and  
6 nobody really disagreed with this, that Lehman was solvent.  
7 Lehman had plenty of assets. It was solvent. It was  
8 subject to a run. And my question to him--and I'm hesitant  
9 to put words in his mouth when he responded--but my question  
10 to him was: Well, why couldn't the Fed do the same thing  
11 with Lehman as it does with the discount window for banks,  
12 as a matter of law? And that is, we'll take all of your  
13 illiquid assets, as long as we put a value on them, and we  
14 will monetize them. We will provide the cash so you can  
15 meet this run.

16           And Mr. Baxter said to me that there is a way for  
17 the Fed to do that, but only if the Fed Board adopts a  
18 resolution of some kind which changes the nature of what  
19 they normally do under 13.3 to make it more like, if you  
20 will, the discount window. That is to say, they can take  
21 assets that are not liquid and use them for the purpose of  
22 making a loan to an institution that is suffering a run.

23           Now you said that you were willing to do anything  
24 to save Lehman. Is Mr. Baxter correct? Could the Fed Board  
25 have adopted a resolution that said we will take any good

1 assets that Lehman has and we'll monetize them? We'll  
2 provide liquidity so that Lehman can continue to meet the  
3 withdrawals, or the runs that people are referring to?

4 WITNESS BERNANKE: So Lehman Brothers had a  
5 holding company and it had a broker-dealer.

6 COMMISSIONER WALLISON: I'm talking about only  
7 the holding company. I should have made that clear. I'm  
8 only talking about the holding company.

9 WITNESS BERNANKE: All right, just for everyone's  
10 information, the holding company--sorry, the broker-dealer  
11 was eligible to borrow--

12 COMMISSIONER WALLISON: Right.

13 WITNESS BERNANKE: --from an existing facility,  
14 the Primary Dealer Credit Facility, and it was allowed to do  
15 so.

16 COMMISSIONER WALLISON: Yes.

17 WITNESS BERNANKE: So the question was: Should  
18 we create a new lending provision to allow loans to the  
19 holding company?

20 COMMISSIONER WALLISON: Yes.

21 WITNESS BERNANKE: We were allowed--we are able  
22 to do so under the law so far as we have sufficient  
23 collateral. And we were prepared to do that. And I was in  
24 Washington ready to call the Board together to do that, if  
25 that was going to be helpful.

1                   However, what I was informed by those working on  
2 Lehman's finances was that it was far too little collateral  
3 available to come to our window to get enough cash to meet  
4 what would be the immediate liquidity runs on the company.  
5 And therefore, if we were to lend, what would happen would  
6 be that there would be a continued run. There was not  
7 nearly enough collateral to provide enough liquidity to meet  
8 the run. The company would fail anyway, and the Federal  
9 Reserve would be left holding this very illiquid collateral,  
10 a very large amount of it.

11                   So it was our view that we could not lend enough  
12 to save the company under the restriction that we could only  
13 lend against collateral.

14                   COMMISSIONER WALLISON: And you are saying, then,  
15 that even if the collateral was illiquid, you could have  
16 lent against it, but you concluded--or someone in the New  
17 York Fed concluded that there wasn't enough of such even  
18 illiquid capital, illiquid assets for you to make this loan?

19                   VICE CHAIRMAN THOMAS: Mr. Chairman, yield the  
20 gentleman an additional two minutes.

21                   WITNESS BERNANKE: That's correct.

22                   COMMISSIONER WALLISON: Did you do a study of the  
23 collateral that was available? Does the New York Fed have a  
24 study of the collateral that was available so we could--

25                   WITNESS BERNANKE: Well I would refer you to

1 them. Remember, we were working with the SEC to do these  
2 liquidity stress tests that we did over the summer. And  
3 then over the weekend, there was 24-hour analysis going on  
4 that included not only the staff of the New York Fed, but  
5 also assistance from the private sector companies that were  
6 gathered there.

7 I don't have any--to my knowledge, I don't have a  
8 study to hand you. But it was the judgment made by the  
9 leadership of the New York Fed and the people who were  
10 charged with reviewing the books of Lehman that they were  
11 far short of what was needed to get the cash to meet the  
12 run. And that was the judgment that was given to me.

13 So that was my understanding.

14 COMMISSIONER WALLISON: Okay, since I have a  
15 minute, I'm going to ask another question on a somewhat  
16 different subject--

17 WITNESS BERNANKE: Sure.

18 COMMISSIONER WALLISON: --and that is, that  
19 Wachovia failed, or didn't fail but it apparently in the  
20 view of the Fed it was not viable and had to be combined  
21 with some other institution.

22 One of the things you said in your testimony is  
23 that there were vulnerabilities and weaknesses in the  
24 system. And one of those vulnerabilities that you  
25 identified was the fact that the investment banks were

1 lightly regulated, or not sufficiently regulated.

2           Now investment banks were in fact lightly  
3 regulated, or not sufficiently regulated, but banks like  
4 Wachovia and WaMu and Citi were heavily regulated by the  
5 Fed, at least in the case of Wachovia and Citi by the Fed, I  
6 understand WaMu was regulated separately, but what's the  
7 real difference between the regulation of banks and  
8 investment banks when the outcomes seem to be the same?

9           That is, the banks get into the same kinds of  
10 trouble that the investment banks get into? And what does  
11 that say about the idea of providing yet more regulatory  
12 power to any agency, including the Fed?

13           WITNESS BERNANKE: Well, it's a good question.  
14 In the case of course, just for factual information, you  
15 know Wachovia was mostly a national bank, those regulated by  
16 the OCC, and the Fed was the holding company supervisor.

17           I think that part of what was happening there,  
18 frankly, is that--which is why some of the CEOs feel like  
19 they were hit by--blindsided by a truck, is that there was a  
20 systemic problem as well as an individual institutional  
21 problem.

22           There was a panic that went across--that went  
23 across a variety of firms. One of the sources of the panic  
24 was the subprime lending, which was something that was done  
25 both by banks and by nonbanks, and we all share some

1 responsibility for that.

2 Another set of problems, though, had to do with  
3 this very high reliance on unstable short-term funding--  
4 repos, et cetera, and that was much more a situation in  
5 investment banks and other shadow banks. And that's why, if  
6 you look at the chronology of the crisis, what you see is  
7 that the firms that were hit first were not banks. They  
8 were Bear Stearns, which was under pressure during the  
9 liquidity crisis in March of '08. They were Fannie and  
10 Freddie, which had separate issues.

11 They were essentially all the investment banks,  
12 Lehman, Merrill Lynch, and so on, who came under very large  
13 stress early on, and then AIG. It was only when market  
14 conditions got very severe that banks began to face  
15 liquidity problems, as well, and banks like Wachovia, which  
16 had--and Citi also--which had some substantial reliance on  
17 non-core deposits as a liquidity source, came particularly  
18 under pressure.

19 But your point is right. We have to improve on  
20 all dimensions. And, while I would say that the subprime  
21 lending in particular was done more outside the regulated  
22 bank sector than within it, certainly I don't claim that  
23 there weren't problems and mistakes in the regulated bank  
24 sector as well.

25 CHAIRMAN ANGELIDES: All right, thank you.



1                   COMMISSIONER WALLISON: Thank you.

2                   CHAIRMAN ANGELIDES: Mr. Bernanke--Mr. Holtz-  
3 Eakin, you have a quick follow up?

4                   COMMISSIONER HOLTZ-EAKIN: Yes, I just want to  
5 make sure I understand the answer to Peter's questions about  
6 Lehman and lending. Here's what I don't understand.

7                   Mr. Fuld said, emphatically, that all he needed  
8 was a liquidity bridge, and that he had collateral. If he  
9 were to give you the collateral and you've got that, and  
10 then he turns out to be wrong, you are protected. Why  
11 replace his judgment of what he needed with the Fed's  
12 judgment of how it would work out?

13                  WITNESS BERNANKE: Because in part that when we  
14 make these discount window loans, we really have two sources  
15 of protection. One is the collateral itself, which we  
16 really don't want to own. The second is the signature, if  
17 you will, of the firm.

18                  So we generally don't--for example, we don't  
19 generally loan, in the banking sector we don't generally  
20 make loans to failing banks even against collateral because,  
21 you know, because we want to have the double protection of  
22 both the firm quality and the collateral itself.

23                  So it was our sense that, again based on the  
24 information developed in New York, that--that Lehman was in  
25 fact far short of the amount of collateral that they would

1 need to meet the--meet the run; that they were essentially  
2 making a Hail Mary pass at the juncture. And so what was  
3 going to happen was that, again, that we would lend to them  
4 on illiquid collateral, the firm would almost certainly fail  
5 anyway, but the other consequence would be that the Fed  
6 would have a large amount of illiquid collateral which would  
7 be, you know, certainly risky at least for the Taxpayer.

8           So that was the reason. It was our view that  
9 they did not have enough collateral, and that the runs,  
10 based on a whole variety of short-term funding obligations--  
11 the fact if they got downgraded there would be more  
12 collateral calls, et cetera; that there was not adequate  
13 collateral to meet the run, and therefore it would be  
14 needlessly exposing the Fed and the Taxpayer to, to make  
15 those loans.

16           COMMISSIONER HOLTZ-EAKIN: So that Taxpayer risk  
17 was larger than your perceived catastrophe--

18           WITNESS BERNANKE: Well, no--

19           COMMISSIONER HOLTZ-EAKIN: --when Lehman fails?  
20 Why not try the Hail Mary pass?

21           WITNESS BERNANKE: Well, because the--because the  
22 view was that the failure was essentially certain in either  
23 case.

24           CHAIRMAN ANGELIDES: Before we go to Ms. Born,  
25 Mr. Vice Chairman you had a quick--

1                   VICE CHAIRMAN THOMAS: Just 30 seconds. We may  
2 be pounding this nail, but based upon yesterday and on  
3 ongoing discussion, the final point that you responded to to  
4 Mr. Holtz-Eakin is where I want to focus just a little bit  
5 more.

6                   That if there wasn't sufficient collateral, the  
7 other thing I want to add to it, if you're able, is that it  
8 wasn't sufficient collateral by an inch, by a mile?  
9 Because you were looking at an ongoing process that you  
10 essentially decided wouldn't be worth starting. So that  
11 there was just no question about the shortfall? That it  
12 would be an ongoing consequence?

13                  WITNESS BERNANKE: My general tone and attitude  
14 was, is there anything we can do? And I believe that that  
15 goal was shared by the other principals--by president  
16 Geithner, and Secretary Paulson, and Chairman Cox. And none  
17 of those folks had been known for timidity in previous  
18 episodes in terms of trying to find ways to prevent a  
19 worsening of the financial crisis.

20                  And what I heard from them was just the sense of  
21 defeat. You know, that it's just way too big a hole. And  
22 my own view is it's very likely that the company was  
23 insolvent, even, not just illiquid.

24                  VICE CHAIRMAN THOMAS: Thank you.

25                  CHAIRMAN ANGELIDES: All right, Ms. Born.

1                   COMMISSIONER BORN: Thank you very much, and  
2 thank you, Mr. Chairman, for being willing to appear before  
3 us today.

4                   You previously have said that over-the-counter  
5 derivatives were a mechanism that transmitted shock during  
6 the financial crisis. And I would like to explore with you  
7 some of the ways that they did so, and their relevance to  
8 systemic risk.

9                   As you've said today, the potential failure of  
10 AIG was caused by AIG Financial Products Division's enormous  
11 sale of credit default swaps without sufficient resources to  
12 post collateral as required by their contracts.

13                   Was AIG considered to be of systemic importance  
14 in part because many of the world's largest and most  
15 important financial firms were AIG's counterparties on these  
16 credit default swaps and thus could have been impacted with  
17 AIG's failure?

18                   WITNESS BERNANKE: So it's a subtle point, but I  
19 would distinguish just a bit from the actual financial  
20 exposure and the fact that the world knew that AIG was the  
21 counterparty of many of the world's leading global financial  
22 firms.

23                   In some cases, you know, those exposures were  
24 manageable. In some cases, they would have been more--would  
25 have been more substantive. But at the time we were at the

1     brink of a global run, a run on all financial institutions,  
2     and the progenitor of runs is uncertainty.

3             When people don't know whether a bank or a  
4     company is sound, then that's when they go take their money  
5     out.  Years--I mean, two years later we are still not  
6     entirely sure what the net exposure of some of these  
7     companies to AIG was.  Certainly on the day that AIG failed,  
8     if it had failed, investors around the world would not have  
9     known, you know, what the net exposure of a given bank was  
10    to AIG.

11            And so my sense was, over and above the direct  
12    losses and hits to capital, et cetera, that would have been  
13    experienced not only through these derivative counterparty  
14    agreements but also through just straight commercial paper,  
15    corporate bonds, and other vehicles, that this would have  
16    triggered an intensification of the general run on  
17    international banking institutions.  So that was a very  
18    significant concern.

19            As I talked to the Commission when we met a year  
20    ago, there were a number of other features of AIG that were  
21    also of concern, but that was an important one.

22            COMMISSIONER BORN:  So in other words, in  
23    addition to the real credit exposures and financial  
24    difficulties that might have been expected, there was  
25    uncertainty about what the exposures were, what institutions

1 had them, how much they were, lack of transparency in this  
2 market, that in essence fueled the panic?

3 WITNESS BERNANKE: Absolutely.

4 COMMISSIONER BORN: I think you quite  
5 appropriately in your testimony distinguish between  
6 derivatives transactions themselves and the infrastructure  
7 for trading, clearing, settlement of those instruments. And  
8 exchange trading, of course, provides price discovery and  
9 transparency. Counterparty, centerparty clearing, and  
10 settlement allows for reduction of counterparty risk and  
11 adds to the transparency of the process and the safety  
12 through margins, and marking to market.

13 So in your view, was the trading in, of  
14 derivatives over the counter as opposed to exchange trading  
15 in derivatives a problem that posed some risk because of the  
16 lack of transparency? Because of the existence of  
17 counterparty risk in the over-the-counter arena?

18 WITNESS BERNANKE: Yes, certainly. And AIG of  
19 course is the poster child for that. It was not so much the  
20 losses that their counterparties experienced on the  
21 movements in the derivatives themselves, but rather the  
22 counterparty risk that was the problem.

23 I'm sure you know that the Fed was quite  
24 concerned about clearing of settlement arrangements for  
25 derivatives prior to the crisis. And the Federal Reserve

1 Bank of New York did a lot of work to try to improve the  
2 clearing arrangements for credit derivatives and also some  
3 other types of derivatives. And we were very supportive of  
4 the provisions in the recent financial reform legislation to  
5 standardize derivatives, put them on central counterparties,  
6 and the like.

7           A point that should be made, and I know you fully  
8 recognize, is that if you're going to concentrate  
9 counterparty risk in central counterparties, then they must  
10 be safe. And for that reason we also thought it was very  
11 important in Title 8 that the Fed and other agencies would  
12 work together to make sure that the prudential standards  
13 were imposed on those central counterparties as well.

14           But I agree with what you just said. One final  
15 comment is that another area where the Fed has been active  
16 is in trying to strengthen the so-called trading book  
17 capital requirements for banks, which essentially will make  
18 it more costly. To the extent that banks still use over-  
19 the-counter derivatives, the capital cost will be higher for  
20 selecting the underlying risks, both counterparty and  
21 fundamental risks. So that that's another incentive to put  
22 these instruments on exchanges.

23           COMMISSIONER BORN: We have heard from the  
24 Federal Reserve's staff yesterday about interconnectivity of  
25 large financial institutions through their counterparty

1 exposures in OTC derivatives contracts, and the relevance of  
2 that in assessing systemic risk of those institutions.

3 And I wanted to ask you about Lehman Brothers,  
4 for example. You have said that if it had been--you knew  
5 before it was allowed to fail that the failure would be  
6 catastrophic. And Mr. Baxter said yesterday that there was  
7 a significant concern at the Fed that the OTC derivatives  
8 market would be severely impacted by the failure.

9 Was this a concern of yours with respect to  
10 Lehman Brothers? Did it also enter into your concerns about  
11 Bear Stearns, and Wachovia, and other large institutions  
12 with concentrated derivatives positions?

13 WITNESS BERNANKE: Yes. It's not the only aspect  
14 of interconnectedness. There's a lot of funding  
15 relationships and so on. But it certainly is an important  
16 one.

17 It's very difficult to unwind these positions  
18 quickly. And when you lose a counterparty, then you have to  
19 replace your protection. And so it was a significant  
20 concern. And one indication of our concern about Lehman was  
21 of course that we took a lot of steps to try to put foam on  
22 the runway, so to speak, as the expression went.

23 And one of those things we did was to work with  
24 the OTC markets to try to get them to address these  
25 concerns.



1           Another dimension of this, by the way, one of the  
2 things we got to work on very quickly was the credit default  
3 swaps in Lehman that others were trading and trying to  
4 arrange for settlement of those as efficiently as possible.  
5 And given the problems with counterparties and ambiguities  
6 of clearing and so on, that itself was a fairly complex  
7 process.

8           So the short answer to your question is that this  
9 was an important aspect certainly for the investment banks,  
10 for Lehman and Bear Stearns and to a significant extent also  
11 to the other institutions that had broker-dealers in those  
12 kinds of exposures.

13           COMMISSIONER BORN: May I just have time for one  
14 last question?

15           CHAIRMAN ANGELIDES: Would you like two minutes?

16           COMMISSIONER BORN: Yes, that would be fine.

17           With respect to these concerns, I assume that the  
18 concerns went beyond credit default swaps to all over-the-  
19 counter derivatives' interconnectivity. As you know, credit  
20 default swap were a relatively small amount of the over-the-  
21 counter world of derivatives at that point, and there were  
22 massive connections with other kinds of over-the-counter  
23 derivatives between the big dealers like the investment  
24 banks and their counterparties; and that the same problems  
25 of potential credit exposure, lack of transparency,

1 potential concerns about what the exposures were applied  
2 generally to the whole over-the-counter derivatives market?

3 WITNESS BERNANKE: Yes. There were some types,  
4 like equity derivatives, that shared some of the problems,  
5 just the operational problems that credit derivatives had in  
6 terms of clearing and settlement.

7 But more generally, when are bespoke derivatives,  
8 for example, you had both counterparty risk and you also had  
9 the complexity of trying to value the positions. And that  
10 becomes serious when you're trying, in a crisis trying to  
11 figure out what exposures are, and whether a company is  
12 solvent or not. So, yes.

13 COMMISSIONER BORN: Thank you.

14 CHAIRMAN ANGELIDES: Great. Mr. Hennessey?

15 COMMISSIONER HENNESSEY: Thank you. Thank you,  
16 Mr. Chairman, for coming.

17 Yesterday Mr. Fuld argued that there was no  
18 capital hole at Lehman, and that the slow six-month  
19 counterparty pullback from Lehman which turned into a run in  
20 mid-September was unsupported by the reality of the health  
21 of his bank.

22 We heard the same thing from the heads of Bear  
23 Stearns, that their firm was fundamentally healthy and that  
24 they were brought down by whispers, rumors, and an  
25 unsubstantiated run.

1           I believe I heard you just say that you thought  
2   that Lehman was probably insolvent. In your view, did  
3   Lehman and Bear fail only because of unjustified liquidity  
4   runs? Or were there also genuine solvency problems at these  
5   firms?

6           WITNESS BERNANKE: So as I said before, one of  
7   the reasons that some of the CEOs felt so blindsided was  
8   that there was a general panic. There was obviously a  
9   general financial crisis that put companies under  
10   extraordinary strain.

11           That being said, there was certainly a hierarchy  
12   and the weaker companies were certainly the first to feel  
13   pressure. So Bear Stearns was widely viewed to be the  
14   weakest of the investment banks, and Lehman was widely  
15   viewed to be the second weakest, and so on. And there were  
16   clearly losses and liquidity issues at those companies.

17           In particular, in the case of Lehman they had  
18   raised some capital in the spring, but they had not  
19   succeeded in spinning off a substantial position that had a  
20   lot of embedded losses in it, and they had not succeeded in  
21   raising additional capital, which suggested that they were  
22   not able to persuade new investors to come in.

23           So it was a combination of general fear  
24   certainly, but also some legitimate concerns about both the  
25   asset position of the company--you know, its balance sheet--

1 but also I think some concerns about the longer term  
2 viability of the firm, the business model, and other issues  
3 that were concerning folks as well.

4           And it's just the nature of financial  
5 institutions that they live on confidence. When their  
6 counterparties and customers and creditors don't believe  
7 that they were sustainable, then the pressure mounts very  
8 quickly.

9           COMMISSIONER HENNESSEY: Good. I hear a lot more  
10 discussion about how to prevent failure of these firms than  
11 about what will happen if or when the next failure occurs.

12           Now the government has the new resolution  
13 authority, and at some point these large nonbank financial  
14 firms will have living wills. But those mechanisms are not  
15 yet in place. It takes time to implement them.

16           We were discussing before some of the  
17 international aspects of the resolution authority, which I  
18 imagine are nightmarishly complex. And at the same time,  
19 your 13.3 authority has been curtailed, and there won't be  
20 the TARP around.

21           Are you confident that the government, including  
22 the Fed, has the tools it needs to deal with a failure of a  
23 too-big-to-fail firm if and when it should next occur?

24           WITNESS BERNANKE: Well I'd prefer not to be  
25 tested in the next few days, if you wouldn't mind.

1 (Laughter.)

2 WITNESS BERNANKE: That being said--

3 COMMISSIONER HENNESSEY: We all hope that won't  
4 be the case.

5 WITNESS BERNANKE: That being said, the FDIC has  
6 embarked on this with admirable urgency, as Chairman Bair  
7 will tell you in a little while, and they are moving very  
8 quickly to try to set up the rules which will be needed to  
9 implement this.

10 It's not only a question of implementation, but I  
11 think the benefit of this--and I'm sure Mr. Wallison would  
12 agree--would be having some certainty in advance about how  
13 the process will be run and, you know, what the effects will  
14 be on particular creditors, and so on, of the firm.

15 So it is a work in progress right now for sure,  
16 but we are working very quickly to try to put it into  
17 operation.

18 COMMISSIONER HENNESSEY: Is it, if I could, is it  
19 just a timing thing in terms of getting these mechanisms up  
20 and running? If you don't have the ability to provide a  
21 firm-specific loan anymore, and the TARP isn't there to  
22 provide capital injections, is there a scenario on which you  
23 might need to put money into a firm where there is or is not  
24 a tool to actually do that?

25 WITNESS BERNANKE: Well remember that Treasury

1 can provide a loan, as long as it's repaid, either from the  
2 company in receivership or, if necessary, from an assessment  
3 of the financial industry.

4 So if money is needed to prevent a disorderly  
5 failure, or to facilitate the bridging process, et cetera,  
6 then--then the government can provide that.

7 And the Fed, meanwhile, is of course very limited  
8 in our ability to go beyond just our normal lending to a  
9 sound company. But that was a change we were comfortable  
10 with as long as these alternative authorities were provided.

11 COMMISSIONER HENNESSEY: Good. Systemic risk.  
12 You hear a lot of people talk about it. I haven't heard a  
13 precise definition, other than people usually say it means  
14 risk to the system, which--

15 (Laughter.)

16 COMMISSIONER HENNESSEY: --doesn't--and I  
17 understand that there's always going to be discretion  
18 involved, and that it's been much more of an art than a  
19 science. Are there efforts underway, or has anyone done any  
20 good work in trying to turn this from an art to science to  
21 eventually some sort of engineering where you can measure  
22 this and analyze systemic risk?

23 WITNESS BERNANKE: Yes. There's right now an  
24 active academic research literature looking at some of these  
25 things, trying to identify, for example, what some of the

1 criteria are; how big; how interconnected, those sorts of  
2 things.

3           There is some criteria involving things like  
4 correlation. You know, how correlated is the stock of  
5 company X with other shares of other companies, and what  
6 does that say about its systemic importance, and things of  
7 that sort.

8           So there is an academic literature underway. The  
9 Federal Reserve has to set up a set of rules that will  
10 govern how we recommend to the oversight council which  
11 companies are to be treated as systemically critical for the  
12 purposes of special oversight.

13           And so we're going to have to write a rule which  
14 puts down on paper in a way that is legally sensible what  
15 are the criteria we're looking at.

16           So to some extent it is going to ultimately  
17 remain subjective, and I think the systemic criticality of  
18 any individual firm depends on the environment. So our  
19 decisions vis-a-vis some of the firms we addressed might  
20 have been different in a more calm environment.

21           So the overall economic and financial environment  
22 also matters, not just the characteristics of the firm. But  
23 we are cognizant that we need to be more specific. And as I  
24 said, there is a literature to draw on, and we have a  
25 project at the Fed right now trying to write this rule that

1 will govern our recommendations.

2 COMMISSIONER HENNESSEY: Good. I'll end with an  
3 easy one. Other than your own speeches, what do you think  
4 are the most important writings on the crisis as a whole?  
5 If you could recommend that people read two or three really  
6 good speeches, books, papers, whatever they happen to be,  
7 what are the most important or under-appreciated works out  
8 there?

9 CHAIRMAN ANGELIDES: And by the way, that is pre-  
10 December 15th when our report comes out.

11 (Laughter.)

12 WITNESS BERNANKE: Well, I think there's a lot of  
13 interesting work. I know you're familiar with sort of the  
14 narrative histories and so on, and I won't bother to go over  
15 those. But I think, again not to sound too professorial,  
16 there is some interesting academic work already looking at  
17 these issues, and I even made reference in my testimony to  
18 Gary Gorton's work where he is pretty clear to identify the  
19 analogies between what happened to the shadow banking system  
20 and classic bank runs, 19th Century style bank runs. I  
21 think that work is very interesting.

22 There's also quite a bit of interesting work by  
23 people like Markus Brunnermeier at Princeton, which looks at  
24 the dynamics of a panic in the repo market and how that  
25 cycle of increasing haircuts in margin worked. And he and



1 others have also done some of the work I referred to a  
2 moment ago on trying to identify systemically critical firms  
3 by looking at their financial characteristics.

4           Maybe I can come up with a few other things,  
5 given a little bit of time, but there is some interesting  
6 work underway in this area.

7           CHAIRMAN ANGELIDES: Could you provide us  
8 "Chairman Bernanke's Fall Reading List"?

9           (Laughter.)

10          CHAIRMAN ANGELIDES: If you would give us--

11          WITNESS BERNANKE: Only if you take a test on it.

12          (Laughter.)

13          CHAIRMAN ANGELIDES: Well, we're taking a test.

14          WITNESS BERNANKE: I'll do that.

15          CHAIRMAN ANGELIDES: And we may just post it on  
16 the web, too, as our featured event of the day. But, no,  
17 all kidding aside, it would be great if there are a few  
18 pieces you think--

19          WITNESS BERNANKE: If you would like to  
20 understand that this is not the first time through, read The  
21 Lords of Finance book, which won the Pulitzer Price for its  
22 history of the Great Depression, and you will feel  
23 sometimes, doesn't this seem awfully familiar.

24          CHAIRMAN ANGELIDES: Right. Ms. Murren.

25          COMMISSIONER MURREN: Thank you. And thank you,

1 Mr. Chairman, for your comments and for your time today.

2 My question begins actually in your written  
3 testimony where you reference the Gramm-Leach-Bliley Act as  
4 having limited the regulators' ability to really get a whole  
5 picture of any one enterprise's risks and financial position  
6 and activities.

7 And I was wondering if, when you think back to  
8 how the crisis unfolded--part of our charge is to determine  
9 what caused it--in your mind does this act rise to the level  
10 of causation? Or is it simply one of many factors that were  
11 part of the whole unfolding of the crisis?

12 WITNESS BERNANKE: I think it was one of many  
13 factors. And you could point to specific examples where it  
14 caused problems.

15 For example, the Fed was somewhat reluctant to  
16 examine nonbank subsidiaries of bank holding companies  
17 feeling that the sense of the law was we needed to defer to  
18 whoever was nominally the regulator.

19 And so for that reason we were probably not as  
20 aggressive as we should have been in terms of identifying  
21 some of the consumer protection issues that arose from  
22 mortgage companies and other nonbank lenders. So that would  
23 be one example.

24 Another example, which is more complex, has to do  
25 with the role of off-balance sheet vehicles. This turned

1 out to be a big problem in that under the existing  
2 accounting--under the existing accounting rules at the time,  
3 if a bank did not have a majority ownership of an off-  
4 balance sheet vehicle, it didn't have to consolidate that  
5 vehicle with its own balance sheet, and its capital charges  
6 were limited only to explicit commitments of liquidity or  
7 capital to the vehicle.

8           And so in actuality it turned out that the  
9 exposures via these vehicles were much greater than  
10 understood, in part because the banks themselves didn't have  
11 good monitoring systems, and also because in the event, for  
12 reputational reasons, they often came to rescue these  
13 vehicles when they got into trouble, even though they were  
14 contractually obliged to, and that cost them money as well.

15           And so there was some, I think a little bit of  
16 uncertainty about, given that these off-balance sheet  
17 vehicles might have been sponsored by the bank which  
18 therefore would make them responsible in some sense of the  
19 direct bank supervisor, like the OCC, but they were also  
20 obviously a part of the overall holding company. I think  
21 there was a little bit of uncertainty about whose  
22 responsibility these were, and maybe there was not  
23 sufficiently aggressive attention paid to those off-balance  
24 sheet--I'm sure there was not sufficiently aggressive  
25 attention paid to those off-balance sheet vehicles.

1           So I do think that there were some problems  
2 there, and some things fell between the cracks. I wouldn't  
3 want to elevate it to a principal cause of the crisis, but  
4 it was one of the reasons that some of the risks that faced  
5 the overall companies on an enterprise-wide basis were not  
6 adequately appreciated.

7           COMMISSIONER MURREN: And with that in mind, with  
8 the new legislation that's recently passed, had that been in  
9 place at the time what actions would have been taken that  
10 might have been different? Or what would have been  
11 different about the body of knowledge that you and other  
12 regulators might have had about those enterprises that would  
13 have allowed you to act perhaps more preemptively?

14           WITNESS BERNANKE: Well, I think the clearest  
15 case was the nonbank subsidiaries where we, for example, did  
16 not--we only began a pilot program to look at nonbank  
17 lending subs in 2007 or so, working with the other  
18 regulators of those subs trying to identify consumer  
19 protection issues.

20           In the absence of GLB, I think we would have been  
21 earlier looking at some of those problem areas and been less  
22 reticent in going into those.

23           Again, the issue of off-balance sheet vehicles is  
24 more complicated, but I think that the situation in the  
25 legislation now, which rather than letting these issues fall

1 between the cracks essentially gives multiple responsibility  
2 and says you have to both look at this, is more likely to  
3 identify those problems in the future.

4           COMMISSIONER MURREN: Thank you. Another  
5 question, just to touch back on something that came up  
6 earlier which is the housing bubble, can you talk about your  
7 feeling as to the relationship between securitization and  
8 the housing bubble?

9           WITNESS BERNANKE: I think there was a  
10 relationship. So securitization was the other end of the  
11 originate-to-distribute model. And there was a big demand  
12 for securitized products, which came in part from foreign  
13 investors, but not entirely of course.

14           To create the raw material for securitized  
15 products, you had to have lots of mortgages being made. And  
16 as a result, to expand the number of potential home buyers  
17 you had to lower the standards. And so you got increasingly  
18 weak underwriting, and more and more exotic mortgage  
19 instruments being used to expand the number of people who  
20 could get mortgages, and therefore buy houses.

21           And what this did was, I don't remember the exact  
22 number, but some very substantial fraction of the mortgages  
23 issued in '05-'06 were subprime or at least nonprime  
24 mortgages. And that obviously increased the overall demand  
25 for houses.

1                   So you see a chain going from demand for  
2 securitized products, the demand for raw material, to  
3 pressure to weaken underwriting standards to expand the  
4 number of people borrowing, to increase house prices. And  
5 then it was a circle, because again as house prices rose  
6 lenders became even more comfortable making more risky  
7 loans, and that just was a self-fulfilling prophesy, at  
8 least until prices got to the point where they couldn't be  
9 sustained any further.

10                   So there was indeed a connection there.

11                   COMMISSIONER MURREN: And so your feeling is it  
12 was really more the demand that was driving the process, as  
13 opposed to the push from the originators who stood obviously  
14 to do rather well in an environment where they could  
15 continue to create and originate mortgages? Or do you think  
16 it's both?

17                   WITNESS BERNANKE: So I think if there was a  
18 push, it may have come not so much from the ultimate  
19 mortgage-makers who themselves are agents of the banks, or  
20 investment banks. There was probably some push coming from  
21 the folks who were creating those securitized products--the  
22 salesmen going out and saying, here's an attractive  
23 investment vehicle, look, it's rated AAA.

24                   So there certainly was some pressure coming from  
25 that side. But clearly there was an awfully strong demand,

1 both domestically and abroad, for, given how low--in  
2 particular, you know, given that Treasury yields were pretty  
3 low, and given the demand for longer term safe, fixed-income  
4 assets, that demand partly from abroad drove Wall Street to,  
5 you know, to create these products to satisfy that demand.

6 COMMISSIONER MURREN: Terrific. Thank you.

7 WITNESS BERNANKE: You're welcome.

8 CHAIRMAN ANGELIDES: All right, Mr. Chairman,  
9 just a couple of quick wrapups. I have a couple of quick  
10 items and, I know, very quickly, that Member Georgiou and  
11 also Senator Graham have a couple of quick questions.

12 I want to ask you about something we talked about  
13 both historically and going forward. We've talked about the  
14 challenge of the fact that we have too-big-to-fail  
15 institutions, and going forward we have institutions that  
16 may be not only too big but too few to fail, fewer  
17 institutions, larger scale, and how there will be a  
18 challenge of political will for regulators to be as tough as  
19 they need to be.

20 But it seems to me there was and is an  
21 accompanying question. And that is one of resources. And I  
22 don't just mean resources in sheer numbers. I mean, let's  
23 be blunt about it. A lot of the Wall Street guys are like  
24 greased pigs. They're hard to catch. And, you know,  
25 they're inventing new products. Sometimes you can call it

1 "innovation," and as you noted that may be a kind word in  
2 many respects.

3           And I guess my question is: To what extent was  
4 the kind of mismatch here a problem? And what will it be in  
5 the future? And I don't just mean, look, there's been a  
6 diminution of the ethos of public service, there's been  
7 growing compensation gaps. Being in the public arena, as we  
8 all know, is no picnic. And I guess my question is: What's  
9 your confidence level that we can attract the resources?

10           You know, I saw almost no debate during Dodd-  
11 Frank about the resource level, the talent level, that you'd  
12 need to be able to have effective oversight. And to what  
13 extent was that a problem, and will it be a problem?

14           WITNESS BERNANKE: No, it's a very good question,  
15 and you're right that we can't outspend Wall Street in terms  
16 of hiring people, obviously. And they have very strong  
17 incentives to evade regulation in certain circumstances.

18           Just a couple of comments. One is that this is  
19 one of the reasons why having some market discipline will be  
20 very helpful. We need to have the additional set of eyes  
21 that comes from investors. And when we see spreads opening  
22 up, or stock prices going down, that's a signal we should  
23 pay attention to because clearly you have very talented  
24 people who are in the markets and are assessing these firms,  
25 and their information, you know, is transmitted to prices.



1 We should pay close attention to that.

2           The other comment--and I think one of the things  
3 we learned, and we learned this from our stress testing and  
4 some other areas, is that we really need to use all our  
5 resources.

6           So it's one thing to have experienced  
7 supervisors, and collectively among us, and the FDIC, and  
8 the OCC, we have a cadre of very experienced supervisors,  
9 but given the innovations in finance, and global capital  
10 flows and the like, we need to bring in other expertise as  
11 well.

12           And so at the Fed we have, as I said we've taken  
13 a much more multi-disciplinary approach to bring in  
14 economists, financial specialists, and other types of  
15 experts to support the supervisory work.

16           So I think that will be helpful. And, you know,  
17 Mr. Thomas mentioned how the Fed had retained a lot of the  
18 supervisory authority. I think one of the reasons for that  
19 was because we have a lot of those skills which are going to  
20 be necessary to make this work.

21           All that being said, you know, it's just simply  
22 never going to be the case that the government can pay what  
23 Wall Street can pay. And we're going to have to work very  
24 hard and watch very carefully to make sure that we, you  
25 know, that we are successful in oversight.

1           Again, we don't have to replicate every business  
2 decision, or evaluate every asset. We can't do that. But  
3 what we can try to do is make them convince us that they  
4 have systems and risk management in place that will  
5 plausibly deliver the right answers and give us confidence  
6 that they're doing the right thing.

7           But you're absolutely right, that this is an  
8 important issue as a practical matter as we try to implement  
9 this law.

10           CHAIRMAN ANGELIDES: All right. Final question  
11 from me, and it's something you talked about and we've  
12 talked about internally. I know my friend John Thompson and  
13 I have wrestled with this a little. You talked about the  
14 magnitude of subprime lending. I think you talked about the  
15 order of a trillion dollars.

16           You talked about the magnitude of this asset  
17 class. I think you talked in your testimony about some days  
18 we have fluctuations in the market that are as great.

19           WITNESS BERNANKE: Right.

20           CHAIRMAN ANGELIDES: And so, again, not to speak  
21 for my colleagues here, I clearly see that these toxic  
22 assets entered the pipeline and were pushed through it; that  
23 these toxic mortgages flowed through this pipeline.

24           But what I'm trying to get a sense of as we do  
25 our work is, as you know a healthy patient or a healthy

1 person can get pneumonia and survive it easily. A frail,  
2 elderly patient gets pneumonia and it's the death knell.

3 To what extent--in this instance it appears this  
4 was the infection. I don't necessarily want to do "what  
5 if?s" but I'm going to ask it.

6 What was the dominant phenomenon here? The  
7 toxicity, or the fragility of the system? You know, the  
8 infection or the weakness of the body?

9 WITNESS BERNANKE: The theme of my longer  
10 testimony was triggers versus vulnerabilities, exactly what  
11 you're talking about.

12 Part of the reason--well, if we had had a  
13 healthy, strong, stable financial system, it could have  
14 accepted this problem without creating such a major crisis.  
15 So I believe very strongly that it wasn't subprime lending,  
16 per se--although obviously that was a bad thing and caused  
17 significant problems--but rather it was the fact that the  
18 system as a whole had structural weaknesses. And so, if you  
19 like, the e. coli got into the food supply and that created  
20 a much bigger problem.

21 CHAIRMAN ANGELIDES: But the fact that it was the  
22 housing asset, which was so broadly held by 67, 69--65 to 69  
23 percent of the population, the middle class, it was the  
24 biggest asset, the fact that the e. coli got into the most  
25 widely eaten food product, was that--did that exacerbate it?

1 Or was it the nature of the securitization that exacerbated  
2 it?

3 I mean, what would have been--could it have  
4 happened with other asset classes? And again I don't know  
5 that we want to game it, but what were the unique features  
6 that allowed this to metastasize?

7 WITNESS BERNANKE: So if you were just to do a  
8 macro economic model and looked at the effects of the house  
9 price up and down, and ignored all the financial crisis  
10 effects, just looked at the effects on consumer wealth and  
11 the like, you would not find anything like the crisis that  
12 we've seen. The magnitude would not be big enough.

13 What caused the crisis was essentially, as--well,  
14 there are many things that caused the crisis, but it's the  
15 e. coli effect; that there was an awful lot of dependence on  
16 short-term, unstable funding, which is analogous to the  
17 deposits in banks before the period of Deposit Insurance.

18 Since these deposits were not insured, they were  
19 prone to run. And when people think there's something wrong  
20 with the assets they're lending against, even if it's only  
21 one percent, or two percent, they say, well, what the hell,  
22 I'm going to take my money out, and why should I lend  
23 against this potentially risky product?

24 And that panic, which in turn forced people to  
25 sell assets into illiquid markets, brought down asset

1 prices, created more problems for other firms, it was that  
2 dynamic that was a very important part of this.

3 And so I still think of this as more of the  
4 trigger, the e. coli, than of the factor that itself would  
5 have caused the system to seize up.

6 CHAIRMAN ANGELIDES: Commissioner Georgiou, for  
7 your remaining--

8 COMMISSIONER GEORGIU: Thank you. And to follow  
9 up on that, Dr, Bernanke, another problem we heard a great  
10 deal about during our hearings was this notion of regulatory  
11 arbitrage and capital arbitrage, where institutions held  
12 assets off-balance sheet to avoid capital requirements, and  
13 in some cases mischaracterized assets to put them into  
14 categories that required them to hold less capital under the  
15 rules.

16 You know, we talked about Citi at its peak. If  
17 you brought in all the dispersed assets, had some \$3.3  
18 trillion in assets with roughly \$75 billion in capital,  
19 which was only a little over 2 percent. And, you know, a  
20 third of that got used in one liquidity put on one set of  
21 CDOs.

22 Obviously in hindsight almost everyone agrees,  
23 including your predecessor as Fed Chair, that more capital,  
24 less leverage would have ameliorated the financial crisis.

25 It may be facile to say that the system would

1 have been safer had the financial institutions been required  
2 to raise and hold more capital, but the mere fact that it's  
3 facile does not necessarily make it untrue.

4 I wondered if you could tell us what the Fed's  
5 views are going forward regarding capital requirements, and  
6 what particular provisions you put in place to ensure that  
7 the financial institutions that have grown so large and are  
8 prone to be rescued are well capitalized on a go-forward  
9 basis?

10 WITNESS BERNANKE: Thank you. I think it's  
11 important, when you think about the situation going forward,  
12 to recognize that there are two big things happening.

13 One is the financial reform legislation recently  
14 passed in the U.S. Congress and signed by the President.  
15 The other is a substantial reform of international capital  
16 standards, which is currently going on, and I'll be  
17 attending the Basel meeting next weekend in Switzerland.

18 So the United States agrees--Secretary Geithner  
19 has talked about this--we agree, Chairman Bair, that  
20 stronger capital standards are absolutely essential as one  
21 of the key components going forward to assure the safety of  
22 the system.

23 And so what we are talking about with our  
24 international colleagues in Basel now is, first, having more  
25 capital; having higher quality capital that is not using

1 intangible assets and other things that are not loss  
2 absorbing as capital; making capital more risk-sensitive so  
3 that it responds more to losses and absorbs losses more  
4 effectively; creating some counter-cyclicality in capital so  
5 that capital be built up in good times and run down in bad  
6 times; and finally, we're working with the accountants and  
7 others to--you know, we've gone beyond the situation you  
8 talked about where Citi had all these off-balance sheet  
9 assets which were not consolidated and has been very largely  
10 changed now by new accounting rules which will require  
11 consolidation where there is substantial ownership of those  
12 assets.

13           And on top of that, we are looking for  
14 international leverage standards, and international  
15 liquidity standards. So we expect to have some very  
16 substantial improvements in those regulations  
17 internationally, to create a level playing field, and I do  
18 believe that as we go forward that those rules and their  
19 implementation will be of the same order of magnitude of  
20 importance in assuring a safe financial system going forward  
21 as the changes, very important changes being made in the  
22 recent legislation.

23           COMMISSIONER GEORGIU: Thank you, Dr. Bernanke.

24           CHAIRMAN ANGELIDES: Senator Graham, you had a  
25 quick closing question?

1 COMMISSIONER GRAHAM: Yes. Chairman--

2 CHAIRMAN ANGELIDES: One each, but very quickly.

3 COMMISSIONER GRAHAM: The Chairman answered the  
4 question that I was going to ask which related to what is  
5 the status of off-balance sheet items, but I cited earlier a  
6 report that there seems to be a weakening of resolve by the  
7 Basel Group in terms of liquidity and capital standards.

8 Does that coincide with what you're hearing? And  
9 if so, do you think that we can anticipate adequate resolve  
10 at the international level to get these standards where they  
11 need to be?

12 WITNESS BERNANKE: So when you're developing a  
13 complex set of capital standards, it is important to consult  
14 with the banks to understand, make sure you understand what  
15 the implications are for how much capital they'll hold, and  
16 how it will affect their business, and so on.

17 It is important to understand that. You're not  
18 making good policy if you don't understand the implications  
19 of your decisions.

20 That being said, that is not the same thing as  
21 weakening standards. We want to make sure the standards are  
22 rational and effective. And we are committed to very strong  
23 standards. And I think you will see, when they come out,  
24 that they will be a substantial improvement over the  
25 standards that we've had in the last few years.



1 COMMISSIONER GRAHAM: Thank you.

2 CHAIRMAN ANGELIDES: Mr. Wallison?

3 COMMISSIONER WALLISON: Thank you. Just one  
4 question.

5 Bank regulators have, for many years, been  
6 concerned about fair-value accounting, mark-to-market  
7 accounting, and some have said that that had something  
8 significant to do with what happened in the financial  
9 crisis.

10 What's your view of that?

11 WITNESS BERNANKE: Well I think that mark-to-  
12 market accounting at times increased the procyclicality of  
13 the system. There were times when markets were highly  
14 illiquid and it was very hard to value assets.

15 That being said, I think we should do our best to  
16 get appropriate market values of assets that do have market  
17 prices.

18 Now there is a somewhat different issue when  
19 you're dealing with long-term credit in the banking book  
20 where there is no secondary market, and appropriate  
21 valuation requires, you know, a model or some assumptions.

22 So I'm in favor of accurate accounting. I think  
23 there are sometimes problems when markets are very illiquid  
24 and the FASB tried to move in the direction of clarifying  
25 how to deal with so-called Level 3 assets in illiquid

1 markets, but I'm also very cautious about applying mark-to-  
2 market accounting to the long-term loans, the bank loans in  
3 the banking book of the banks.

4           If I could say one quick thing about the Wachovia  
5 question you asked me before, I would just point out that  
6 the decisions there, the interventions there, were FDIC  
7 decisions.

8           They must have made--I'm sure they made  
9 independent judgments about the best way forward, and with  
10 their concern about protecting the Deposit Insurance Fund  
11 I'm sure they were trying to find the least-cost solution  
12 for that.

13           COMMISSIONER WALLISON: My question--thank you  
14 for that, but my question really was what importance do you  
15 think mark-to-market accounting might have had in the  
16 financial crisis as we understand it? That is, this huge  
17 decline in asset values.

18           WITNESS BERNANKE: I think it exacerbated it  
19 somewhat, but it's the nature of financial markets that  
20 asset prices move up in booms and down in crashes, and that  
21 is an exacerbating factor, but, you know, we don't want to  
22 sacrifice accurate valuations to eliminate that issue. I  
23 mean, I don't think you could.

24           So it was an issue, but I don't think we should  
25 conclude from that that we should abandon mark-to-market

1 accounting.

2 CHAIRMAN ANGELIDES: Mr. Chairman, thank you very  
3 much for this second appearance before us during our  
4 deliberations.

5 I also want to reiterate something that the Vice  
6 Chairman and others have said. Douglas Holtz-Eakin I know  
7 mentioned it specifically. You and your staff at the  
8 Federal Reserve have been very forthcoming and very  
9 cooperative in terms of providing documents, information,  
10 making folks available for interviews, and we appreciate the  
11 way in which you have helped us conduct our investigation  
12 and our inquiry for the benefit of the American People and  
13 for history.

14 You have been very good in this regard, and we  
15 look forward to continuing to do work together as we do our  
16 final report. Thank you very much for being here this  
17 morning.

18 WITNESS BERNANKE: Thank you, Mr. Chairman.

19 CHAIRMAN ANGELIDES: We will now take a ten-  
20 minute break, members, and then Chairman Bair will be before  
21 us.

22 (Whereupon, at 11:41 a.m., the meeting was  
23 recessed, to reconvene at 11:55 a.m., this same day.

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AFTERNOON SESSION

(11:55 a.m.)

CHAIRMAN ANGELIDES: The public hearing of the Financial Crisis Inquiry Commission on the subject of financial institutions that have become too big to fail, too important to fail, too systemic to fail, will recommence.

Thank you, Chairman Bair, for being with us today. We are going to start, as we always do, by swearing you as a witness. So if you would please stand and raise your right hand, I will read the oath to you:

Do you solemnly swear or affirm under penalty of perjury that the testimony you are about to provide the Commission will be the truth, the whole truth, and nothing but the truth, to the best of your knowledge?

CHAIRMAN BAIR: I do.

(Witness Bair sworn.)

CHAIRMAN ANGELIDES: Thank you. Chairman Bair, thank you for your extensive written testimony. What we would like to ask you for now is obviously to present to us orally. We will provide you up to ten minutes to do that. You know how the lights work, and the mikes work, you're a pro at this, so if you would start your testimony that would be terrific.

WITNESS BAIR: Chairman Angelides, Vice Chairman Thomas, and Commissioners:

1           I appreciate the opportunity to testify today on  
2 systemic risk and ending too big to fail. The events of  
3 September 2008 dramatically illustrated the flaws of our  
4 former regulatory and bankruptcy framework for responding to  
5 distressed large and complex financial institutions.

6           My testimony discusses two cases, Washington  
7 Mutual and Wachovia, that demonstrate the dilemma we faced  
8 between the risk of a wider financial crisis and the  
9 prospect of bailing out bank owners and creditors.

10           While the FDIC was able to resolve WaMu under our  
11 normal procedures without creating further disruption to the  
12 financial system, an accelerated time frame, a lack of  
13 information, and a complex organizational structure made the  
14 dilemma worse at Wachovia.

15           Because the risks and uncertainties of creating  
16 wider market instability were just too great, we invoked the  
17 Systemic Risk Exception for the first time, and were  
18 prepared to implement a resolution on that basis.

19           As events unfolded, however, that resolution plan  
20 was not carried out because Wachovia was sold in an  
21 intervening private transaction. But the problem was equal  
22 or even more pronounced for other large nonbank  
23 organizations that faced collapse at about the same time.  
24 Most notably, the critical shortcomings of the bankruptcy  
25 process as applied to large financial institutions was

1 demonstrated by the market reaction to the September 15,  
2 2008, collapse of Lehman Brothers.

3           The provisions of the Dodd-Frank Act provide new  
4 regulatory tools to preserve financial stability and protect  
5 Taxpayers from losses sustained by large financial firms.

6           Resolution plans mandated by regulators and  
7 created by the institutions themselves will specify how a  
8 systemically important institution could be resolved and  
9 will help to ensure that the complex structure of an  
10 institution does not prevent its orderly resolution.

11           Backup examination and enforcement authority will  
12 give the FDIC better information in advance about  
13 systemically important institutions, making it more likely  
14 that an orderly resolution can be achieved.

15           The FDIC has already updated its supervisory  
16 memorandum of understanding with the other federal banking  
17 regulators to enhance our existing backup authorities.

18           Finally, the new resolution authority will make  
19 the FDIC's liquidation process available for bank holding  
20 companies and nonbank financial companies to provide a means  
21 to unwind them without disruption, delay, and uncertainty  
22 usually associated with bankruptcy.

23           Had these authorities been in place in 2008, the  
24 FDIC would have already had a detailed resolution plan for  
25 Wachovia. We would have had better information about its

1 structure and risk profile, and we would have faced fewer  
2 impediments to effecting its orderly resolution.

3 In short, Wachovia, or Lehman for that matter,  
4 could have been resolved without a bailout and without  
5 disrupting financial markets.

6 More importantly, had the current law been in  
7 place in 2008, investors and institutions like Wachovia or  
8 Lehman would have had every reason to expect losses in the  
9 event of failure and would have exerted more effective  
10 market discipline over their activities.

11 Finally, I would like to highlight what I see as  
12 three main areas of priority for implementation under the  
13 new law.

14 Under the new Orderly Liquidation Authority, the  
15 largest financial firms must develop credible resolution  
16 plans, working with the FDIC and Federal Reserve, so that we  
17 have the information and planning needed for an orderly  
18 resolution.

19 It is critical that Living Wills are not simply a  
20 paper exercise. This planning process should affect  
21 business decisions so that the companies operate more  
22 efficiently and reduce the possibility of any future  
23 collapse.

24 Under the law, they can be required to make  
25 changes if necessary to avoid creating undue systemic risk.

1 We are working with our international partners to achieve  
2 legal reform for a more cooperative international insolvency  
3 process.

4           These are all key steps in truly ending too big  
5 to fail. I view the Financial Stability Oversight Council  
6 as a forward-looking forum for members with diverse  
7 expertise to share their specialized knowledge, and to make  
8 recommendations on addressing emerging risks to the  
9 financial system. But regulators must have the courage to  
10 act on the Council's recommendations if we are to address  
11 systemic risks before they resolve any damage to our  
12 economy.

13           Reforms to bank capital requirements under  
14 consideration by the Basel Committee will serve to weed out  
15 hybrid instruments that weaken the capital structure, add  
16 new capital buffers so de-leveraging need not crush lending  
17 in a crisis, and place higher capital charges on the riskier  
18 derivatives and trading activities.

19           I urge a prompt finalization and implementation  
20 of new Uniform Global Capital Standards so that regulatory  
21 uncertainty can be reduced and investors can regain  
22 confidence in the long-term stability of our global  
23 financial system.

24           If financial reform is about anything, it should  
25 be about stabilizing the financial system so that it can



1 meet the credit needs of the real economy and support long-  
2 term sustainable growth.

3           To be sure, as I've previously testified before  
4 this Commission, regulatory policy is but one component of  
5 restoring a more vibrant economic future. A fiscal policy  
6 that promotes the efficient allocation of resources is also  
7 essential.

8           In this regard, we hope the Congress will review  
9 the large level of government support provided to home  
10 ownership to determine whether it has resulted in the most  
11 productive allocation of resources.

12           For our part, we are working with our regulatory  
13 counterparts to promptly implement regulations in the areas  
14 of liquidation authority and the Financial Stability  
15 Oversight Council. And we are working with our counterparts  
16 on the Basel Committee with regard to international capital  
17 standards.

18           We are approaching these tasks with both the  
19 sense of urgency and a considered view toward the long-run  
20 effectiveness. Only if we create strong frameworks now for  
21 exercising our authorities under the Dodd-Frank Act can we  
22 succeed in putting our financial system on a sounder and  
23 safer path for the long term.

24           Thank you very much.

25           CHAIRMAN ANGELIDES: Thank you, Chairman Bair.

1 We will now move to questioning.

2 So let me start the questioning, per usual. One  
3 thing that struck me in the runup to the System Risk  
4 Exception for Wachovia is the extent to which there was  
5 really no look at the systemic implications or risk. And I  
6 know that folks say, well, that wasn't the role, but it does  
7 seem to me that in the context of safety and soundness that  
8 people can also look, or regulators could have looked at the  
9 larger risk to the system.

10 The Fed seeks risks as early as '07. The  
11 downgrades by the Fed and the OCC don't come until '08. I  
12 know you're not the primary supervisor--I think you've got  
13 one on-site examiner.

14 You yourself say, I believe in your interview  
15 with our staff, that you really didn't, I don't think you  
16 got notice of the run until Friday, which is when it  
17 occurred. And you don't really have real knowledge of their  
18 condition until Saturday. Is that an accurate statement?

19 WITNESS BAIR: Yes.

20 CHAIRMAN ANGELIDES: To what extent was this just  
21 a glaring hole in the system? Should regulators, as a  
22 whole, have taken the larger view? And could they have?  
23 Isn't it too simple to just say, well, that wasn't in our  
24 job description?

25 WITNESS BAIR: Well, we won't say that. I do

1 think there were earlier warning signs. You're right. And  
2 in fairness to the other regulators, we were earlier in the  
3 week, we did see some escalating distress, liquidity  
4 distress with Wachovia. We were told Friday morning that it  
5 was under control, and it wasn't until Friday night when we  
6 were told there a liquidity crisis that could actually--that  
7 necessitated some weekend action.

8           So it was a very short timeframe to deal with  
9 this. And I do think, in retrospect, we were operating with  
10 imperfect information. We were relying heavily on the  
11 primary regulators, as we needed to.

12           As you know, we only had one of our own  
13 examiners, as a backup examiner, in Wachovia. And that is  
14 not to criticize the primary regulators. Everybody was  
15 working very hard and doing their job, but we have a  
16 distinct role. They had \$265 billion of exposure in insured  
17 deposits. They had responsibility for an orderly resolution  
18 if the institution could not maintain its obligations.

19           We needed more information to make a decision,  
20 direct information and an ability for us to independently  
21 assess the situation, and make decisions that we were  
22 comfortable with.

23           So that is a lesson that I learned going forward,  
24 and this is one of the reasons why we renegotiated our  
25 Memorandum of Understanding with the primary regulators. We

1 will now have five examiners full time at these very large  
2 institutions, with others on an as-needed basis. And that  
3 will be for any institution, regardless of its CAMELS rating  
4 or how healthy it is, given the size of the institutions and  
5 how quickly they can deteriorate and this will be an ongoing  
6 presence.

7           And we also have the additional authority now for  
8 holding companies, as well. This is Wachovia, and like WaMu  
9 Wachovia had a significant amount of securities activities  
10 that occurred outside of the insured depository institution,  
11 which we had no information about at all because prior to  
12 Dodd-Frank our backup authorities only extended to what was  
13 going on inside the insured depository.

14           CHAIRMAN ANGELIDES: All right. You clearly had-  
15 -we, as you know, put on the record yesterday the transcript  
16 of the FDIC Board meeting in which you considered the System  
17 Risk Exception for Wachovia. And you clearly had  
18 significant reservations.

19           You've said: Well, I think this is one option of  
20 a lot of not-very-good options. I would note for the record  
21 that both Treasury and the Federal Reserve Board weighed in  
22 early for us to provide a System Risk Exception. You say:  
23 I've acquiesced in that decision. I'm not completely  
24 comfortable with it.

25           I'm looking for my notes, but I think you also in

1 interviews with the staff indicated that this was something  
2 that the White House and the Federal Reserve wanted to move  
3 on.

4           Were the reservations just ones of you're trying  
5 to absorb it Saturday and you've got to make a decision--

6           WITNESS BAIR: Right.

7           CHAIRMAN ANGELIDES: --early Monday morning? Or  
8 were there some fundamental reservations about, for example,  
9 apparently--not getting into the gossip of who was mad at  
10 who--but there did seem to be, according to your interview,  
11 a philosophical difference when then New York Reserve--Mr.  
12 Geithner, how's that, it's been a long series--Federal  
13 Reserve Board of New York president, Mr. Geithner, a  
14 disagreement about whether creditors, bondholders, should be  
15 fully protected.

16           What were the reservations?

17           WITNESS BAIR: Well, I think--I don't think there  
18 was any question in my mind we had to do something that  
19 weekend. And we had--the system was highly unstable. We  
20 had a very successful, I felt, resolution of WaMu.

21           But other things were going on. The TARP bill  
22 was in flux. Lehman I think served as a catalyst for all of  
23 this. We had had a stabilizing event with Indy Mac earlier,  
24 where we'd had a bank run before and after the bank closing.  
25 So we had redoubled our efforts to assure insured depositors

1 that their money was safe.

2 But my worst--we were guaranteeing about \$5  
3 trillion of insured deposits, and my worst nightmare was  
4 that bank depositors would start losing confidence in the  
5 system and pull their money out.

6 We had already lost wholesale funding. The  
7 shadow sector had completely seized up. Insured deposits  
8 were staying, but if that changed we would have truly had a  
9 cataclysmic situation.

10 So I didn't feel that we could afford on Monday  
11 morning any risk that Wachovia would open and run out of  
12 money, or have a disruptive situation. That was just not a  
13 risk that we could tolerate.

14 So it was clear to me over the weekend we needed  
15 to do something. Really the issue was whether we did the  
16 System Risk Exception and provide what we call Open Bank  
17 Assistance to them, or whether we tried to put it through a  
18 normal resolution process.

19 That was the discussion I wanted to have more of,  
20 but the time just did not permit it. And at the end of the  
21 day, I don't second-guess what I did. The statute clearly  
22 says that this needs to be a collaborative decision with the  
23 FDIC, the Fed, and the Treasury, in concurrence with the  
24 President. And the other parties had spoken on this and  
25 felt strongly that a Systemic Risk determination with Open

1 Bank Assistance would provide the greatest amount of  
2 stability.

3 So there was a philosophical disagreement over,  
4 you know, bondholders. We don't feel--I felt and still feel  
5 that equity shareholders and term bondholders know their  
6 money is at risk, and should understand they take losses,  
7 especially with insured banks where the process has been  
8 around for a long time and should be, and I think is,  
9 clearly understood by the market.

10 So there was a philosophical disagreement. That  
11 isn't to say I'm right, or anyone is wrong, it's just that  
12 it was, and it was a factor in these discussions. But I  
13 don't look back. We had a discussion. We made a decision.  
14 We moved on. And the good news was, on Monday the decision  
15 we took over the weekend did stabilize the situation for  
16 Wachovia.

17 CHAIRMAN ANGELIDES: And I guess on reflection,  
18 and this isn't second-guess, but with respect to WaMu you  
19 did not fully protect bondholders, right?

20 WITNESS BAIR: We did not. We did not.

21 CHAIRMAN ANGELIDES: And you think that was the  
22 right decision?

23 WITNESS BAIR: I absolutely do think that was the  
24 right decision.

25 CHAIRMAN ANGELIDES: For market discipline

1 purposes?

2 WITNESS BAIR: Yes. Absolutely. WaMu was not a  
3 well run institution. I think that was clear from our  
4 supervisory perspective.

5 CHAIRMAN ANGELIDES: When the OTS let you in,  
6 right?

7 WITNESS BAIR: That's right. And Permanent  
8 Subcommittee investigations in the Senate did a very good  
9 review, as well. And there were a lot of troubling things  
10 going on at that bank. And we can debate about whether  
11 regulators should have been more on top of it, but, you  
12 know, it shouldn't be just regulators; it should be  
13 shareholders, and creditors putting pressure on those  
14 institutions, too, for better risk management. And that was  
15 not done.

16 And so that's where the losses should have been,  
17 and I think it was a very appropriate resolution. And it  
18 was consistent with our statutory process. That is the  
19 process Congress told us to use.

20 CHAIRMAN ANGELIDES: Right. I'm going to  
21 surprise my fellow members by saying this is my last  
22 question to you, at least for now.

23 And that is, as I have read the materials  
24 prepared for this hearing, this portion of our  
25 investigation, not only interviews with all the principals,



1 but also historical materials. Our staff prepared an  
2 excellent staff report for us, which has now been posted on  
3 the Web, in which they traced the history of bailouts over  
4 time.

5           And there's this pattern of institutions growing  
6 like a weed, using high leverage, taking on enormous risks.  
7 I think we've seen it all along the path. I mean it is, as  
8 I've said, it's almost like financial groundhog day again  
9 and again.

10           You look at this, and it's hard not to come away  
11 with a view that what Wall Street has needed is not a series  
12 of bailouts but a financial intervention.

13           (Laughter.)

14           CHAIRMAN ANGELIDES: But what I'm concerned about  
15 at this point is, how do you break this repeat pattern? And  
16 it is something we asked Chairman Bernanke. The fact is, we  
17 have fewer, bigger banks now. It is going to be an enormous  
18 test of will of the regulators to be able to constrain--you  
19 know, it's always hard.

20           I think you said in your interview the job is to  
21 take the punch bowl away. And that is the job of prudential  
22 regulators. But tell me the risks you see here and the  
23 challenge of that. And to what extent was that a failed  
24 challenge in the run-up to this crisis?

25           Everything was good. People were booking

1 profits--

2 WITNESS BAIR: Yes.

3 CHAIRMAN ANGELIDES: --very hard to be the ones  
4 to say: This is spiraling out of control.

5 WITNESS BAIR: Right. Well, that's right. It is  
6 the job of regulators to take away the bunch bowl. You need  
7 to do it when times are still good. You don't want to wait,  
8 once things start turning bad. It's just going to be too  
9 late.

10 But that requires political support, as well.  
11 And I think in the early 2000s there were efforts to try to  
12 rein in some of these really questionable mortgage lending  
13 practices that we were seeing when I was at Treasury, and  
14 there was just no political will to do that.

15 So I think that has to be--I think the new  
16 Financial Stability Oversight Council is the vehicle where  
17 Congress has placed accountability for making those  
18 decisions with that Council. And it will be our job, and we  
19 need to have the courage to exercise the decisions, and do  
20 so even if we get pushback from it. Because you need to act  
21 when things are still profitable.

22 If you wait until the losses start occurring, it  
23 is going to be too late. I think I do not under-estimate  
24 the importance for increased capital standards. Excess  
25 leverage--the combination of excess leverage with too big to

1 fail was a toxic combination in feeding this crisis.

2           And, you know, the private sector held the up-  
3 side, with the assumption being that the government was  
4 going to take the down-side. That in and of itself fed  
5 risk-taking.

6           So getting rid of too big to fail, restoring  
7 market discipline through effective resolution authority,  
8 and increasing capital requirements to de-leverage, making  
9 sure that there are bigger cushions there so when the next  
10 cycle comes--there will be another cycle. We can't do away  
11 with cycles.

12           But when it comes, there is more of a capital  
13 cushion to absorb the losses so you won't have a situation  
14 where you've got to do a government bailout or confront a  
15 failure situation.

16           So I think the tools are there. The regulators  
17 have to use them. But the Congress and the political  
18 leadership need to support the regulators when they need to  
19 make unpopular decisions.

20           CHAIRMAN ANGELIDES: I'm going to break my own  
21 rule, because you just said something that I've got to  
22 follow up on. Do you really believe at this point that the  
23 market believes that the too big to fail doctrine has been  
24 broken?

25           WITNESS BAIR: Well, I think it's up to us to

1 effectively inform the new authorities that Congress has  
2 given us. I think if they think it is still around, I think  
3 they should read the statute itself. The statute--and we  
4 pushed for this language--the statute very specifically  
5 prohibits any kind of open-institution assistance.

6 So what happens, it's going to have to be  
7 Congress doing it. Because the regulators simply have no  
8 authority to do bailouts anymore, and we think that is a  
9 good thing. We don't think we need it, if we have  
10 resolution tools, which Congress also gave us.

11 CHAIRMAN ANGELIDES: Thank you very much,  
12 Chairman.

13 Mr. Vice Chairman?

14 VICE CHAIRMAN THOMAS: Thank you. I am tempted,  
15 but I guess I won't ask you if the scope of the legislation  
16 extends to Kabul, Afghanistan, based upon this morning's--

17 WITNESS BAIR: Well, no it doesn't, but we have  
18 made a high priority of--we have a lot of education and  
19 training that we do with developing countries. I don't  
20 think Afghanistan has been one of them, but I think this is  
21 a key issue of having deposit insurance systems, and  
22 credible deposit insurance systems, in developing countries  
23 as well.

24 VICE CHAIRMAN THOMAS: I do want to thank you for  
25 your written testimony, especially because--I don't know if

1 I've been reading as widely as I normally do, but I have not  
2 really seen--let me say, I thought your testimony, the  
3 written testimony, was very good in a succinct way on where  
4 we were, where we are, but more importantly where we can go.  
5 Now I don't know whether we will go, but that we can go.

6 WITNESS BAIR: Right.

7 VICE CHAIRMAN THOMAS: One of the difficulties,  
8 especially in these very complex areas today, we used to  
9 just go ahead and bite the bullet and make law. And then of  
10 course you have a statute that you have to deal with, and  
11 then you get to promulgate regulations from a narrow  
12 opportunity.

13 I think it does make sense, once we come out the  
14 other side of these, to pass law with significant regulatory  
15 capability in fleshing it out, because it makes it not only  
16 timely and appropriate but I think the better value is that  
17 there can be adjustments over time without having to go back  
18 through.

19 The problem with that course is, you have this  
20 big splash about having passed the law, and then you've got  
21 to roll all the regulations out.

22 What was your reaction, and how should we read  
23 the--it's in the SEC's jurisdiction, not yours, but it was  
24 the first one out of the chute in terms of the rating  
25 agencies.

1                   WITNESS BAIR: Right.

2                   VICE CHAIRMAN THOMAS: It's kind of like Bear  
3 Stearns and then Lehman. That was an aberration, and  
4 hopefully the next few that role out will be well done, done  
5 in a way they don't get flipped or put on the spot like we  
6 did with the rating agency adjustment attempt.

7                   What was your take on that event? You had  
8 preferred something else rolling out first?

9                   WITNESS BAIR: Well I think actually the  
10 legislation itself really eliminates the ability of  
11 regulators to use ratings in any way.

12                  VICE CHAIRMAN THOMAS: Right.

13                  WITNESS BAIR: And so certainly with structured  
14 financial products the ratings were a terrible failure, and  
15 definitely fed the crisis. That's not to let investors off  
16 the hook. Investors should have been doing their own due  
17 diligence, too. But the ratings were not good.

18                  I think--and for corporate debt, there's a better  
19 record, frankly. And to eliminate our ability to use them  
20 at all, especially in more traditional areas, for the  
21 ratings to perform better is going to create some unique  
22 challenges for us. Especially for the smaller banks, we  
23 rely on ratings of certain types of investments that they  
24 hold, in terms of the risk weighting, how much capital they  
25 have to hold against those exposures.

1           And so if we can't use ratings at all, we have to  
2 find something else. And I'm not sure that there are  
3 alternatives out there that are going to be any better, or  
4 cost effective, especially for smaller banks.

5           So that said, Congress has told us they don't  
6 want us to use ratings as all. So we are going to do our  
7 best to make that work. We have an ANPR out, an Advanced  
8 Notice of Proposed Rulemaking out, asking for comments on  
9 what kind of alternatives we can use for banks in setting  
10 capital standards, where we do rely on ratings a lot.

11           And so I'm hoping we can get some good thinking  
12 on that and move forward in a way that's consistent with  
13 Congressional intent. But it was quite sweeping in its  
14 elimination of the use of ratings.

15           VICE CHAIRMAN THOMAS: And it was pretty reactive  
16 in terms of the Street's reaction to that, at least on an  
17 initial basis in terms of the rating agencies.

18           WITNESS BAIR: Right--

19           VICE CHAIRMAN THOMAS: I mean, they weren't going  
20 to rate.

21           WITNESS BAIR: There was, but I think the SEC  
22 acted very quickly to provide the relief that's necessary.

23           VICE CHAIRMAN THOMAS: But if you don't want to  
24 have that repeated 232 times, or it's going to be a long  
25 time getting where we need to go.

1                   WITNESS BAIR: That's right. And I think we are  
2 all committed to being very careful, deliberative, and  
3 transparent about this, as well.

4                   VICE CHAIRMAN THOMAS: And then a specific point,  
5 because you have a--you're in front of us, and you had a  
6 unique role on the Wachovia weekend.

7                   On page 10, as you run through what happened and  
8 the choices, I was struck--and I've mentioned this over the  
9 two days of the hearings--that when you look at September  
10 28, 29, and then 30, and as the chairman indicated the  
11 minutes, it was clear that you had to take an extraordinary  
12 position--i.e., an extraordinary measure--which it was  
13 assumed would not put you at risk, but there was a potential  
14 for risk.

15                   I imagine it was fairly animated in terms of  
16 behind-the-scenes discussions with all the players to reach  
17 that point, notwithstanding you came out with a unanimous  
18 decision--that's what happens when you break a huddle;

                  WITNESS BAIR: That's right (laughter)

                  VICE CHAIRMAN THOMAS:

19 -- everybody's now on the same page, and that was an indication  
20 that you decided that was where you were going to go--and it  
21 isn't so much the decision you made on the 29th, given the  
22 options available to you. What kind of floored me was that  
23 one day later the Internal Revenue Service decides to put  
24 out the 83 Notice, which changes two decades of IRS Code tax  
25 behavior.





1           And then, three day I guess--two days after that,  
2 the deal which apparently was very difficult to come to a  
3 conclusion that would be offered to save Wachovia, is gone  
4 and Wells Fargo offers a no-strings-attached arrangement.

5           And what I have heard from some folk is that, not  
6 withstanding that very interesting timing, that the Tax Code  
7 change which was made by IRS, which was repudiated almost as  
8 quickly as Congress could get itself focused on removing  
9 that because it was a rifle shot for banks only, had no  
10 consequence in the decision between your difficult motion to  
11 take extraordinary action and Wells Fargo wrapping up a deal  
12 that had no involvement by the FDIC, or frankly virtually  
13 anyone else on a financial commitment.

14           Was that all coincidence, circumstance,  
15 interesting string of events that had no relationship?

16           WITNESS BAIR: Yes, sir. We had no--we had no  
17 knowledge of anything going on over at the IRS. It was not  
18 a factor on decisionmaking at all. It came as a complete  
19 surprise to us.

20           VICE CHAIRMAN THOMAS: But it was fortuitous,  
21 right, because--

22           WITNESS BAIR: It was.

23           VICE CHAIRMAN THOMAS: --it relieved the FDIC of  
24 any responsibility. And of course the Fed had no stake in  
25 the game, so the only folk that potentially were at risk now

1 was, once again, a loss of revenue if in fact it was as big  
2 as some people say, ten times the amount that otherwise  
3 would have been available.

4 WITNESS BAIR: Right.

5 VICE CHAIRMAN THOMAS: So it is just all  
6 coincidental.

7 WITNESS BAIR: It was--yes--

8 VICE CHAIRMAN THOMAS: From your perspective.

9 WITNESS BAIR: From my perspective, we didn't  
10 know anything about it. We were surprised by it. And we  
11 had no say in this. So once Wells came in, it was a private  
12 transaction.

13 So, no, it was not a factor at all.

14 VICE CHAIRMAN THOMAS: But it was a public change  
15 in the law by an Executive agency which, even in their IG's  
16 statement, probably wasn't lawful, and in most of the tax  
17 expert academia was clearly an over-reach.

18 WITNESS BAIR: Right.

19 VICE CHAIRMAN THOMAS: And there was no  
20 discussion at Treasury in looking at options, or provide  
21 alternatives in which they decided to go ahead and go  
22 forward?

23 Why in the world--and I know you--

24 WITNESS BAIR: I don't know.

25 VICE CHAIRMAN THOMAS: --to answer, but I'm

1 looking--why in the world would they pull the trigger on the  
2 30th based on the difficult decision you reached in your  
3 minutes?

4 WITNESS BAIR: I don't know if the IRS was aware  
5 of what we did. They were completely different things going  
6 on. And I'm not a tax lawyer. I will defer to you in terms  
7 of you obviously are very expert in tax matters, given your  
8 former chairmanship of House Ways and Means.

9 VICE CHAIRMAN THOMAS: Those don't necessarily  
10 follow, but--

11 (Laughter.)

12 VICE CHAIRMAN THOMAS: --but I appreciate the  
13 comment.

14 WITNESS BAIR: I can't speak to it. I don't know  
15 what was going on at the IRS, and I assume they were  
16 completely devoid of what we were doing.

17 I don't think there was any knowledge on their  
18 part, not that I'm aware of--I don't know. Again, we were  
19 surprised by it. It just happened.

20 VICE CHAIRMAN THOMAS: I just wanted to ask you  
21 that so we could put that on the record.

22 WITNESS BAIR: Yes, absolutely.

23 VICE CHAIRMAN THOMAS: It was an amazing series  
24 of events, as far as I'm concerned, that led to a completely  
25 different resolution.

1           Were you surprised by the Wells stepping up to  
2 the plate--

3           WITNESS BAIR: Yes, I was.

4           VICE CHAIRMAN THOMAS: --and making that move?

5           WITNESS BAIR: Yes, I was.

6           VICE CHAIRMAN THOMAS: Okay, that's good. That's  
7 a nice niche I can put that in. Thank you, very--well, I  
8 think a lot of us were surprised. Thank you, very much. I  
9 really appreciate, once again, the help that you have given  
10 us early on and your continued willingness, obviously, if we  
11 want to ask you some questions after this I know you will  
12 respond--

13          WITNESS BAIR: Yes.

14          VICE CHAIRMAN THOMAS: --and provide us with that  
15 additional information.

16          WITNESS BAIR: Absolutely. Thank you.

17          VICE CHAIRMAN THOMAS: Thank you.

18          CHAIRMAN ANGELIDES: Mr. Holtz-Eakin.

19          COMMISSIONER HOLTZ-EAKIN: Thank you. And thank  
20 you for spending this time with us.

21                 First, just for the record, we ask everybody all  
22 the time, and in particular Mr. Bernanke, if he could rerun  
23 history would monetary policy look different? Would  
24 regulation of mortgage origination look different?

25                 Looking back, what should the FDIC have done

1 differently in the runup to, and the crisis itself?

2           WITNESS BAIR: Well that's a good question. I  
3 think we should have been more attentive to our backup  
4 authority, and our resolution functions. I think, when I  
5 came to the FDIC in June of 2006 we were heavily focused on  
6 the supervisory side. Primarily smaller banks we were the  
7 primary regulator of.

8           We had just gotten authority to risk-adjust our  
9 own insurance premiums from Congress, which was very helpful  
10 because there had been an extended period of time where  
11 under the law we basically couldn't charge banks anything  
12 for their deposit insurance. So we weren't building up the  
13 Fund as we should have been. And we weren't adjusting those  
14 premiums on the basis of risk.

15           So we implemented those authorities very quickly.  
16 And I think we also eliminated--there was something called  
17 the "Merit System" that had been put into place before I  
18 came.

19           That basically was a very streamlined examination  
20 process, which I didn't think was prudent. I think any  
21 bank, even if it's a perfect CAML picket one, picket fence  
22 rated one institution, should have its loan files looked at.  
23 And so we got rid of that.

24           So we did try to turn course a bit and start  
25 providing more supervisory vigor. And in retrospect,

1     though, I think we should have focused more on our backup  
2     authority and getting better up-to-speed on the large  
3     institutions.

4             So I think in terms of the FDIC's role, I wish we  
5     had moved on all those issues earlier.

6             COMMISSIONER HOLTZ-EAKIN: I want to now talk a  
7     little bit about the WaMu episode. Chairman Bernanke just  
8     testified, and if I remember how he said it correctly, he  
9     said the failure of WaMu caused Wachovia's liquidity runs.

10            You just said the WaMu resolution was very  
11    successful--I think those were your terms?

12            WITNESS BAIR: Yes.

13            COMMISSIONER HOLTZ-EAKIN: Do you have any  
14    regrets about the way it was done? And what were the other  
15    options that you felt were inferior?

16            WITNESS BAIR: Well I think there was a  
17    culmination of events that led to Wachovia's liquidity  
18    problems. And if there was a connection between WaMu and  
19    Wachovia, it was now how the resolution of WaMu was handled;  
20    it was the fact that WaMu had failed for reasons related to  
21    a very large Option ARM portfolio on the West Coast, which  
22    Wachovia also had because of its Golden West acquisition.

23            COMMISSIONER HOLTZ-EAKIN: And he said that, just  
24    to be clear.

25            WITNESS BAIR: So that would be--no, I don't

1 think that the way that, you know--with WaMu we put that out  
2 for competitive bidding. We were able to get a bid where  
3 all the uninsured depositors were protected, and most of the  
4 general creditors, the services providers, et cetera. So it  
5 was really term debtholders that will have some recovery,  
6 and equity shareholders that took the losses.

7           But Wachovia was losing uninsured deposits; they  
8 were losing transaction accounts; they were losing  
9 derivatives counterparties. It was part of a larger  
10 escalating--I would use the word "panic," but it was a near-  
11 panic situation from a whole series of events--Lehman, AIG,  
12 the uncertainty of the TARP legislation. And the market was  
13 confused. The market was absolutely confused.

14           And even though Lehman--excuse me, the WaMu  
15 process shouldn't have surprised anybody, because for banks  
16 we did have a statutory process in place that's been around  
17 for a long time and should have been well understood by the  
18 market.

19           It was a financial institution, and that was  
20 different from what had happened with Lehman, with what had  
21 happened with AIG, with what had happened with Bear Stearns,  
22 and I think the market was confused.

23           So that's why I think it gets very important to  
24 have this resolution authority, so the market will now  
25 understand: it will be bankruptcy, or it will be this



1 resolution. But under both processes, the claims priority  
2 is pretty much the same.

3 COMMISSIONER HOLTZ-EAKIN: Let me ask a little  
4 bit about that. When they conducted the stress tests, it  
5 was announced that the 19 large banks would not be subject  
6 to prompt corrective action--

7 WITNESS BAIR: Um-hmm.

8 COMMISSIONER HOLTZ-EAKIN: --based on the  
9 discovery in the stress test, despite the fact that in  
10 FDICIA prompt corrective action is not discretionary; it's  
11 nondiscretionary. How do you feel about that?

12 WITNESS BAIR: Well, I think--I'm not sure--I  
13 don't recall that we specifically said we would not follow  
14 prompt corrective action.

15 I think what was said was that the Treasury would  
16 stand behind--to the extent these banks' capital  
17 deficiencies were identified at these banks, they would be  
18 given time to raise private capital, if they could, and the  
19 Treasury would come in with the TARP capital investment.

20 So either through TARP or through private  
21 capitalizations they would stay above their PCA levels. The  
22 government was not going to let those 19 banks become  
23 insolvent. So I think that was--so I don't know that that  
24 is really inconsistent with PCA, because it really involved  
25 a commitment to keep them above PCA through TARP

1 investments, if necessary.

2 COMMISSIONER HOLTZ-EAKIN: I guess the reason I  
3 asked was, looking forward, you know, the new resolution  
4 regime and, you know, the Dodd-Frank legislation, is  
5 described as nondiscretionary.

6 WITNESS BAIR: Um-hmm.

7 COMMISSIONER HOLTZ-EAKIN: Will market  
8 participants really believe that, in light of this episode?

9 WITNESS BAIR: Right. Well, again I think the--I  
10 don't think it was inconsistent with PCA. I also--you  
11 should also--we should focus also on the fact that PCA only  
12 applies to insured depository institutions. Those 19  
13 institutions were not just banks with holding company  
14 structures, major investment banks. But again, I think the  
15 commitment was through the TARP to keep them above--so they  
16 didn't go below PCA. The government would not let them hit  
17 that 2 percent trigger.

18 So I don't know if that's inconsistent with what  
19 the PCA constrains. You know, the law is what the law is.  
20 And we pushed very hard for very explicit statutory language  
21 that says we can't provide, and the Fed can't provide, open  
22 institution assistance anymore. They have to go through a  
23 resolution process.

24 The only time the government can step in is where  
25 a system-wide support--and perhaps that type of situation

1 can be viewed as system-wide support, I don't know, but we  
2 would not want individual institutions to ever be bailed  
3 out, and I think the statute is very clear on that point.

4 COMMISSIONER HOLTZ-EAKIN: So I'm fundamentally  
5 evil, so I--

6 WITNESS BAIR: Okay, that's fine.

7 COMMISSIONER HOLTZ-EAKIN: --I think of things  
8 all the time, so imagine the Fed--we won't use the FDIC--but  
9 the Fed in principle can open up facilities eligible to  
10 everybody under the law, and then an individual bank could  
11 show up, and they could assess their collateral and say we  
12 can help you, and everyone else they could decide their  
13 collateral is not good enough.

14 Does the law really restrict actions to open,  
15 individual institutions?

16 WITNESS BAIR: Well, I think the 13.3  
17 restrictions are not as stringent as they are on us, and  
18 frankly we push. We thought that the 13.3 restrictions  
19 should be just as stringent as they are for us. And we will  
20 have to--well actually now we have to go to Congress, as  
21 well, for any kind of debt-guaranty program.

22 Congress did not restrict the Federal Reserve  
23 Board so significantly. But it does have to be generally  
24 open to everybody. I believe it's supposed to only be to  
25 solvent institutions. I believe there's an express

1 provision that says if the government takes losses on those  
2 facilities, that immediately triggers either a bankruptcy or  
3 a resolution. So they will have to be closed, and the  
4 shareholders and creditors will have to take the losses,  
5 with the government having the first-priority claim.

6 COMMISSIONER HOLTZ-EAKIN: Okay. To switch  
7 subjects just a little bit, I've always wondered, the role  
8 of this in the financial crisis. One of the unique features  
9 of Fannie Mae and Freddie Mac, among many others, is the  
10 fact that there are no restrictions on the amount of their  
11 securities that banks can hold in their portfolios.

12 WITNESS BAIR: Yes.

13 COMMISSIONER HOLTZ-EAKIN: And so question number  
14 one is, in terms of transmission of the crisis how  
15 significant do you think that was?

16 And question number two: The decision to wipe  
17 out the preferred holders, many of which I believe were your  
18 insured banks, how much did that impact the FDIC directly  
19 and the transmission of this crisis?

20 WITNESS BAIR: Right. Well, I think the  
21 internalization of risk in the financial sector is a huge  
22 problem. And this is one of the things that we want to  
23 focus on in our resolution plan, is requiring all of these  
24 large bank holding companies and other nonbank systemic  
25 entities to give us in detail who are their counterparties,

1 who does hold their debt, who does hold their debt equity.

2 Because nobody has a big picture now. And it was  
3 difficult for us to try to project who was going to take--  
4 who could potentially be put over the cliff with Fannie and  
5 Freddie and the preferred being wiped out.

6 It turns out, we did on an inter-agency basis,  
7 obviously this was not a result that the Treasury wanted,  
8 and I on the margin did increase our losses, too. But I  
9 think for the most part the failures occurred with banks  
10 that were pretty weak and probably wouldn't have made it  
11 anyway.

12 And we did provide additional time, which we are  
13 allowed to under statute in prompt corrective action to give  
14 them an additional time to have capital restoration plans,  
15 and a lot of them did. Some of them were not able to do so.

16 But I think it does--you're right. It  
17 underscores a broader problem: there's too much  
18 internalization. I mean, one of the Basel Accord provisions  
19 will also eliminate the ability to count as capital equity  
20 held by another financial institution. That is extremely  
21 important. Because if you have the--you know, if you're  
22 faced with the situation where, by closing one entity and  
23 imposing market discipline, you may precipitate the closing  
24 of five others because they all have such tremendous  
25 exposure, then you've got a real problem.

1                   So I think this is something we've been very  
2 focused on. And again, we will want to have--I think the  
3 Basel Capital rules are addressing it in part, and we will  
4 work through our resolution plans that we require these  
5 large satellite institutions to have more more transparency  
6 across the board for all of them.

7                   COMMISSIONER HOLTZ-EAKIN: Thank you very much.  
8 Thank you, Mr. Chairman.

9                   CHAIRMAN ANGELIDES: Can I ask for just a quick  
10 clarification? And maybe I missed it when you spoke. When  
11 the GSEs were put in the conservatorship, was there a  
12 consultation with you with respect to how it was done such  
13 that it wiped out the preferreds?

14                  WITNESS BAIR: We were asked by Treasury to try  
15 to give them an analysis of how many banks would fail. And  
16 we did that analysis. And we were operating under imperfect  
17 information. We thought the number was fairly small.

18                  It did turn out--there were some that were  
19 affected--but it did turn out to be fairly small.

20                  CHAIRMAN ANGELIDES: And do we have that  
21 analysis? I would just ask that we get that analysis.

22                  WITNESS BAIR: Okay.

23                  CHAIRMAN ANGELIDES: Okay, thank you. All right,  
24 Mr. Georgiou.

25                  COMMISSIONER GEORGIU: Thank you, Mr. Chairman,

1 and thank you Chairperson Bair.

2 A problem that we've heard a great deal about  
3 during our hearings was this notion of regulatory arbitrage  
4 and capital arbitrage when institutions held assets off-  
5 balance sheet to avoid capital requirements, and in some  
6 cases purposefully characterized assets in particular ways  
7 to put them into categories that required less capital to be  
8 held under the rules.

9 And now, with your authority extended I suppose  
10 to really all these institutions that include a depository  
11 function, even at Citi we found at its peak that if you'd  
12 brought everything on balance sheet they had something like  
13 \$3.3 trillion of assets, and about \$75 billion of capital,  
14 which was just a little over 2 percent net/net.

15 You know, obviously we've heard from other people  
16 in hindsight that everyone agrees that if there were more  
17 capital and less leverage that the prices might have been  
18 ameliorated.

19 I wonder if you have a view as to what the--how  
20 to address this issue on a go-forward basis?

21 WITNESS BAIR: Well I think both the accountants,  
22 as well as the Dodd-Frank help with this. FAS 166 and 167  
23 requires a lot of assets that were off-balance sheet to now  
24 be counted on balance sheet. We also in terms of arbitrage  
25 and capital standards that were generally higher inside the

1 bank and outside the bank, we supported very strongly  
2 Senator Collins' amendment to require that the capital  
3 levers for bank holding companies, as well as nonbank  
4 systemic financial entities, has to be at least as high, the  
5 capital has to be at least as high as what we require  
6 generally applicable to any bank, large or small.

7           So this will help--I think this will help a lot  
8 in terms of ending the regulatory arbitrage that exists  
9 between doing things in the bank or doing things outside the  
10 bank where you could have greater leverage. It now has to  
11 be uniform. So the generally applicable standard for banks  
12 will come before for bank holding companies as well as for  
13 other nonbank systemic entities. I think this will be a  
14 tremendous help to us.

15           COMMISSIONER GEORGIU: Can you give us an  
16 example of how that might impact a particular institution?  
17 I mean, how much additional capital, either as a percentage-  
18 -as a percentage would that customarily require?

19           WITNESS BAIR: Well, we have actually run some  
20 aggregate analysis. I'd be happy to get the aggregate  
21 numbers to you. I don't know them off the top of our head,  
22 but it will increase capital levels at holding companies.  
23 We've done it for bank holding companies. We haven't--since  
24 the Council has not designated any particular nonbank  
25 financial entities yet as systemic that would be subject to



1 this, we wouldn't have that. But for the impact on bank  
2 holding companies, we could share some information with you  
3 on that.

4 COMMISSIONER GEORGIU: I'd appreciate that, if  
5 you would provide that.

6 We have heard, pardon some people's skepticism,  
7 that we've ended the too-big-to-fail problem. I hope we  
8 have, but it's not entirely clear.

9 WITNESS BAIR: Right.

10 COMMISSIONER GEORGIU: A lot of institutions  
11 have grown enormously. We have these statistics that have  
12 been brought to our attention by our staff that the top six  
13 banking institutions held roughly--their assets were roughly  
14 17 percent of US GDP in 1995, gone up to 38 percent in '02,  
15 58 percent in 2007, and given the disappearance of some  
16 entities and the merger of some entities into the larger  
17 ones, they've actually gone up from 58 percent to 63 percent  
18 of GDP in 2009.

19 So these six institutions at least--Bank of  
20 American, JPMorgan Chase, Citigroup, Wells, Goldman Sachs,  
21 and Morgan Stanley--all appear even today to be institutions  
22 which, if they were stressed as they were two years ago,  
23 would be candidates for assistance of some sort from the  
24 government, notwithstanding the prohibition on particular  
25 assistance to single institutions that's in the Dodd-Frank

1 bill.

2 I wonder if you could speak to that: If you  
3 really believe, if push comes to shove, these institutions  
4 will be allowed, with the new resolution authority, to  
5 dissolve themselves?

6 WITNESS BAIR: We do. I think over time there  
7 will be market pressures to downsize. I think increasing  
8 capital requirements will create some pressure to downsize.

9 I think increased market discipline through new  
10 resolution authority will also create pressure to downsize.  
11 But I do think that with the tools we have available we can  
12 do an orderly resolution. We can do it more effectively  
13 once we have their own living will plans. But for the  
14 largest entities that have dominant depository institutions,  
15 there's a lot of information about them already.

16 So I think, yes, we can use this resolution  
17 mechanism if we need to for institutions even of that size.  
18 And we have the capacity to move the key functions of the  
19 entity into a bridge bank and fund it temporarily to keep  
20 the franchise available as we market and sell it off. And  
21 this is a tool that we have used for many years, and it  
22 works quite successfully.

23 So we do think it will be a system that will work  
24 better than bankruptcy, and it certainly is a much better  
25 alternative to bailouts.

1                   COMMISSIONER GEORGIU: Okay. I think really, if  
2 I could, Mr. Chairman, I would like to reserve time and  
3 perhaps I will come back afterwards. Thank you very much,  
4 Chairwoman Bair.

5                   CHAIRMAN ANGELIDES: Thank you. Senator Graham.

6                   COMMISSIONER GRAHAM: Thank you, Mr. Chairman.  
7 Thank you, Madam Chairman.

8                   I am concerned with the statistics that  
9 Commissioner Georgiou just stated about the increasing level  
10 of concentration in our largest financial institutions.

11                  Why do you think this is happening? And what's  
12 the argument that it's in the public interest?

13                  WITNESS BAIR: I think it happened because of  
14 too-big-to-fail. I think the bigger you got, the more you  
15 had an implied government backstop. And the more investors  
16 were willing to pump money into you to get highly leveraged  
17 returns. I think it's a combination of the implicit  
18 government backstops for very large financial institutions,  
19 combined with capital standards that were not high enough.

20                  So I do think over time--I will also say under  
21 Dodd-Frank that the new Financial Stability Oversight  
22 Council has the ability, at the Fed's initiative I believe,  
23 to start requiring divestitures if it's determined that this  
24 institution poses a systemic risk currently.

25                  We also, the Fed and the FDIC jointly, if these

1 institutions do not submit a living will--i.e., resolution  
2 plan--that we think is sufficient to show they can be  
3 resolved in an orderly way, we also have the power to start  
4 ordering divestiture.

5           So those are pretty extraordinary tools, but  
6 those are tools that are available to us in the new law.

7           COMMISSIONER GRAHAM: Do you believe there is the  
8 political support, both in the Executive Branch and in the  
9 Congress to implement these available powers to begin the  
10 process of restraining the growth of these large  
11 institutions?

12           WITNESS BAIR: Well we'll find out soon. I think  
13 we certainly are forging ahead, and I think everybody else  
14 is just as committed.

15           I think you heard Chairman Bernanke is highly  
16 supportive of resolution authority, and working with us in  
17 the areas where we have joint rulemaking authority.

18           So I think it needs to be done. It needs to be  
19 done in a measured, and transparent way, but also in a  
20 timely way.

21           Our plan is to have a general framework out for  
22 resolution authority in the very near future, and we will  
23 use that as an interim final rule to solicit more detailed  
24 comment, and have a more detailed plan finalized over the  
25 next several months.

1           On the living will piece, the statute gives us an  
2 outside marker of 18 months. I'd like to get the rule out  
3 much earlier than that, if possible. So I think--you know,  
4 the markets in the United States are resilient, and I think  
5 if they understand what the rules are they'll be able to  
6 live with the rules. But I think the important thing is to  
7 get the rules out and have clarity.

8           COMMISSIONER GRAHAM: Chairman Bernanke talked  
9 some about the possibility of coming up with a report card  
10 indicating whether these large institutions were in fact  
11 responding to some of the new incentives.

12           Do you see the utility of something like that  
13 through your agency?

14           WITNESS BAIR: Yes, I do. I think I--that's the  
15 first I've heard of that, so I don't know exactly what the  
16 proposal is, but I think it's a good idea. It might be  
17 something we'd want to do jointly with the Fed, as opposed  
18 to having--we wouldn't want dueling report cards, probably.

19           But the Fed though is--we have resolution  
20 authority over nonbank systemic entities. The Fed will be  
21 the lead supervisor obviously for bank holding companies, as  
22 they are now for the nonbank systemic entities. So I  
23 assume, in terms of developing that type of institution-  
24 specific report card, the Fed would have the lead.

25           COMMISSIONER GRAHAM: I also asked the chairman

1 about the difference in some other areas of the economy in  
2 terms of whether the private entities have come together to  
3 provide some effective voluntary oversight and enforcement  
4 of their best practices, using the nuclear industry as the  
5 good example, and maybe the not-so-good example being the  
6 deep-water drilling industry.

7           From your perspective, are the institutions that  
8 you supervise in terms of their willingness to come together  
9 to provide a voluntary early line of defense against  
10 inappropriate activities, are they more like the nuclear  
11 industry, or the deep-water drilling?

12           WITNESS BAIR: Right. Well I think most are  
13 trying to do the right thing, I really do. We just had a  
14 roundtable discussion on resolution authority, and wanted to  
15 start the dialogue on living wills, too, and I was  
16 impressed.

17           We had many very large institutions present, and  
18 they had all, it was clear to me, already given this some  
19 serious thought. So I think they are taking it seriously;  
20 they do understand the mandate.

21           They do understand that if they don't adhere to  
22 the statutory requirements there will be other, more adverse  
23 consequences in terms of the potential for forced  
24 divestiture. And that wouldn't be in anybody's interest,  
25 but it is there and could be used if it needed to be used.

1           So I was encouraged by that roundtable. Again,  
2 there is still a lot of work ahead, but I was encouraged.

3           COMMISSIONER GRAHAM: I would suggest that that  
4 movement towards a greater degree of acceptance of  
5 independent responsibility might be an appropriate item on  
6 your report card.

7           WITNESS BAIR: I think that's right.  
8 Accountability--you know, we can't do this all, and if we  
9 don't have responsible management taking ownership and  
10 accountability for the changes that need to be made, it is  
11 not going to work. I couldn't agree more.

12           COMMISSIONER GRAHAM: Thank you, Mr. Chairman.

13           CHAIRMAN ANGELIDES: Mr. Hennessey.

14           COMMISSIONER HENNESSEY: You really are mixing  
15 things up.

16           (Laughter.)

17           CHAIRMAN ANGELIDES: No, that's the fairness  
18 doctrine. Outside in/inside out.

19           COMMISSIONER HENNESSEY: Thank you, Mr. Chairman.

20           I want to follow up actually on two of Doug's  
21 questions and just ask you to drill down a little bit more.

22           One is on banks holding GSE. In particular, I'm  
23 interested in debt. And I just want to review kind of for  
24 the record and make sure I understand it. So if I'm an  
25 FDIC-insured bank, I can't hold more than a certain portion

1 of my assets in the debt of General Motors, or IBM, but I  
2 can hold 100 percent of my assets in the debt of Fannie or  
3 Freddie? Is that basically right?

4 WITNESS BAIR: I think that's right. I don't  
5 have our capital expert--that is right, yes.

6 COMMISSIONER HENNESSEY: And who sets those  
7 rules? Are those FDIC rules?

8 WITNESS BAIR: Well, those were rules--no. Those  
9 would be set on an interagency basis. And I think it's a  
10 point well taken.

11 COMMISSIONER HENNESSEY: So is it sort of a  
12 common set of rules that FDIC and OCC and the Fed all agree  
13 and say here are the rules?

14 WITNESS BAIR: That's right.

15 COMMISSIONER HENNESSEY: And is that an area that  
16 should be looked at going forward to say, you know what,  
17 we're going to treat these guys the same as others, given--

18 WITNESS BAIR: Absolutely. Absolutely. I think,  
19 you know, while we're on the subject, we'll just go a little  
20 further and, you know, there's a lower risk waiting for GSE  
21 debt, too, than there was for corporate debt. And was that  
22 right? No, I don't think it was, either.

23 So, yes, I'm not going to disagree with you on  
24 any of that.

25 COMMISSIONER HENNESSEY: And looking back, I mean



1 my recollection during the crisis is, once you got to the  
2 point where Fannie and Freddie were failing, sort of the  
3 risk waiting is a long-term problem, but the real systemic  
4 transmission risk was the fact that, if we broke the line  
5 into GSE debt, there were banks that would fail because they  
6 had bet too heavily on GSE. It was that concentration--

7 WITNESS BAIR: Right.

8 COMMISSIONER HENNESSEY: --of firm-specific risk.  
9 Is that right?

10 WITNESS BAIR: This is a two-year-old  
11 conversation, but I don't frankly recall when Treasury  
12 started engaging us on this. I think they had already made  
13 the decision that they weren't going to go above preferred.

14 COMMISSIONER HENNESSEY: Right.

15 WITNESS BAIR: I'll go back and check that, but I  
16 don't think--there were others. It wasn't just banks that  
17 held a lot of GSE debt. So you should probably ask  
18 Treasury, too, but I don't recall that they had ever  
19 considered going--

20 COMMISSIONER HENNESSEY: Let me try a smooth  
21 transition, then, into Basel. Should that be a topic of  
22 discussion for Basel, as well? Because agency securities  
23 are held all over the world.

24 WITNESS BAIR: That's true. That's very true.  
25 And I would have to--there are limitations on the ability of

1 financial institutions to hold equity in other financial  
2 institutions. On the debt holdings in terms of the risk  
3 weighting, I don't--I will check. If it has been  
4 considered, it hasn't risen up to the principal level, but I  
5 can check on that for you.

6 COMMISSIONER HENNESSEY: Related to that, I've  
7 seen some of the same press reports about pushback within  
8 the Basel discussions that the capital levels are too  
9 stringent. Who is pushing back?

10 WITNESS BAIR: Well, those conversations are  
11 confidential. So I know that's an issue with some, but  
12 those are the rules--

13 COMMISSIONER HENNESSEY: Can you tell us what  
14 Continent it is?

15 (Laughter.)

16 WITNESS BAIR: Well, I wouldn't disagree with any  
17 of the public reports, I'll put it that way. I mean, I am  
18 just really hoping we can all go with a consensus. I think  
19 it troubles me if individual countries, you know, want to  
20 adhere to too-big-to-fail as a basic tenet of their banking  
21 system. Because that's really the alternative. If you  
22 allow excessive leverage with your banking sector, knowing  
23 those capital levels will not be sufficient to cover losses  
24 if you get into a downturn, you're really just saying you're  
25 going to be bailing them out.

1                   And so that's not good for anybody. And so we do  
2 need to all do this together. I think in terms of a  
3 competitive disadvantage, it's more of an issue among  
4 countries in Europe than it would be the U.S. versus Europe.

5                   But I do hope that we can all come to agreement  
6 on that. It's in everybody's interest to get rid of  
7 too-big-to-fail, and an important component of that is  
8 making them have capital high enough to absorb their losses  
9 so they can stand on their own two feet.

10                  COMMISSIONER HENNESSEY: Good. Nonbank financial  
11 institutions and FDIC-insured banks, and the FDIC model of  
12 course is since the deposits are insured, or at least up to  
13 a certain level depositors don't have to worry about it.  
14 And one thing we heard from Chairman Bernanke and others is  
15 that you had liquidity runs which were parallel to the old  
16 pre-FDIC bank depositor runs.

17                  WITNESS BAIR: Right.

18                  COMMISSIONER HENNESSEY: Reading your testimony,  
19 it sounds like the same sort of liquidity runs were  
20 occurring with at least Wachovia and WaMu.

21                  WITNESS BAIR: Uninsured depositors, they were,  
22 absolutely.

23                  COMMISSIONER HENNESSEY: Uninsured depositors.  
24 But were Wachovia and WaMu experiencing the same sorts of  
25 liquidity runs that we hear about--

1 WITNESS BAIR: Yes.

2 COMMISSIONER HENNESSEY: --the nonbank financial  
3 institutions?

4 WITNESS BAIR: Yes. Wachovia was--yes, Wachovia  
5 was, yes.

6 COMMISSIONER HENNESSEY: So the nondepositor  
7 liquidity problems were--

8 WITNESS BAIR: Also impacted in some banks.  
9 That's right. That's exactly right, yes.

10 COMMISSIONER HENNESSEY: Okay. And then could  
11 you take a minute just to drill a little more maybe into  
12 explaining--because I hear so much about the way FDIC did  
13 the Washington Mutual resolution--can you just simply  
14 explain kind of--

15 VICE CHAIRMAN THOMAS: Would the gentleman like  
16 an extra minute for her to explain it?

17 COMMISSIONER HENNESSEY: Thirty seconds for the  
18 response--for my question, and whatever time she needs to  
19 respond.

20 VICE CHAIRMAN THOMAS: Okay.

21 COMMISSIONER HENNESSEY: Thank you. Can you just  
22 explain--

23 CHAIRMAN ANGELIDES: He says 'yes.'

24 COMMISSIONER HENNESSEY: --where you drew the  
25 line, why, and what that complaint is of what your response

1 is to it? Because I'm not sure I understand.

2 WITNESS BAIR: Well, you know, I think--I'm sure  
3 everybody would of liked to have gotten bailed out. I mean  
4 that's, you know, if you're holding debt or equity you're  
5 going to want to prefer that you'd gotten bailed out. So I  
6 think--

7 COMMISSIONER HENNESSEY: Actually--actually, if I  
8 could, the concern I'm hearing is that the way FDIC did it  
9 was in some way upending the traditional capital structure,  
10 or it sent signals to others who held bank debt.

11 WITNESS BAIR: No, no.

12 COMMISSIONER HENNESSEY: And I'm sorry, because  
13 I'm confused in what I'm hearing.

14 WITNESS BAIR: No, that is not. And if you would  
15 like a walk-through from our Receivership staff, I would be  
16 happy to provide that.

17 COMMISSIONER HENNESSEY: Yes.

18 WITNESS BAIR: But, no, we had been on top of  
19 that for several months. We did have time there working  
20 with OTS and the bank. There were a lot of efforts to get  
21 more capital into it.

22 They went through two different bank runs and  
23 were hemorrhaging deposits badly. Their lines of credits  
24 were being pulled. They had a very, very bad Option ARM  
25 portfolio. Their immediate failure was triggered by

1 liquidity, but I think all of our examiners think there  
2 would have been a capital insolvency. The market just  
3 already knew that.

4 So we gave the bank as much time as we could to  
5 get their recapitalization. It couldn't come through. But  
6 fortunately as part of that recapitalization, they had  
7 talked to other investors. There were a number of other  
8 investors that had already been into the bank, the thrift,  
9 doing due diligence.

10 So that when we had to start our own process, we  
11 had folks who were familiar with the institution and were  
12 prepared to bid. And that is the same process we use for  
13 small banks now. That's the same process we use every  
14 Friday.

15 COMMISSIONER HENNESSEY: Thank you.

16 WITNESS BAIR: You're welcome.

17 CHAIRMAN ANGELIDES: Heather? Ms. Murren.

18 COMMISSIONER MURREN: Thank you.

19 Thank you, Chairman Bair. I would like to  
20 actually focus on the traditional bank examination process  
21 for a couple of minutes.

22 WITNESS BAIR: Okay.

23 COMMISSIONER MURREN: It's been told to me that  
24 that process has actually changed post-crisis; that after  
25 the crisis it's gotten much more intense; that the examiners

1 are at the banks longer, and perhaps are a little tougher in  
2 their judgments than they had been previously.

3           And I'm curious as to whether you think that's  
4 fair, or whether you think that that's simply by virtue of  
5 the environment that we're in?

6           WITNESS BAIR: Well I think our examiners overall  
7 have tried very hard to take a balanced approach, and we've  
8 encouraged them in Washington to take a balanced approach.

9           It is a more distressed environment. We do have  
10 a lot of banks out there--it's a minority, but still a  
11 significant number that have some very troubled loans still  
12 on their books that they're still working through.

13           And those types of banks take more time for  
14 examiners to go in and to work with them. But we've made it  
15 clear that we want banks to lend. We want them to make  
16 prudent loans. We want them to lend. We don't want the  
17 banks or the examiners over-reacting and battening down the  
18 hatches and just not extending credit. That's the worst  
19 possible thing that we could have for the economy or for the  
20 banking system.

21           So I think overall our examiners have set the  
22 right tone. We have issued multiple pieces of guidance  
23 encouraging them and banks to lend, to work with borrowers  
24 when they do get into trouble whether it's a mortgage  
25 holder, whether it's a commercial real estate borrower, if

1 they get into trouble to try to work out the loan, if that's  
2 going to present better value and typically it will in a  
3 distressed environment like this to try to do some type of  
4 loan modification.

5           And so I think that's overall been as successful  
6 as it can be, given the current environment. But I know  
7 there are still particular cases where we hear complaints,  
8 and we have an ombudsman here, and banks can engage the--  
9 that's what the ombudsman is for. If they feel like the  
10 examiner is not following articulated policies, they have  
11 recourse.

12           COMMISSIONER MURREN: Thank you. To follow on  
13 this, in your written testimony you talked about the fact  
14 that sometimes it is difficult to see, particularly in the  
15 larger, more complex institutions, things that may not be  
16 apparent prior to failure, such as exposures and systemic  
17 linkages.

18           And I'm curious as to whether, when you think  
19 about the ability going forward to evaluate that, has the  
20 fundamental bank examination process also evolved to include  
21 those things as the portfolio of things they look at? Or is  
22 that more the--

23           WITNESS BAIR: That's a really good question. So  
24 I think the answer is, I would like to see that. We are  
25 pushing--I'm chairman of the Federal Financial Institutions



1 Examination Council, otherwise known as FFIEC, which is an  
2 interagency group focused on bank examination practices.

3 And we would very much like to update our  
4 CAMELS rating process and expand the types of questions that  
5 examiners traditionally ask to get more focused.

6 Right now the examination process is very, very  
7 focused on credit quality on the asset side. So how well  
8 are those loans performing, not so much on the liability  
9 side. You know, where's your liquidity coming from? What  
10 is stable? What's not?

11 So getting more information along those lines I  
12 think would be extremely helpful for all banks. And so I  
13 would like to see that as part of our examination process.

14 For the larger institutions we've also been  
15 working with the New York Fed on more detailed information  
16 on liquidity for the very largest institutions. That is  
17 very much an area of focus right now.

18 COMMISSIONER MURREN: Great. I have one question  
19 that's a little bit off of this topic, but has anyone done,  
20 to your knowledge, an analysis of what the capital ratios--  
21 what would they have had to have been post-mortgage crisis  
22 to allow some of these firms to have actually survived? Was  
23 it possible?

24 WITNESS BAIR: We do have those numbers, and  
25 they're part of the aggregate analysis that we were doing of

1 how much additional capital would come in under the new  
2 capital standards. And I would be happy to provide it to  
3 you.

4 COMMISSIONER MURREN: Do you happen to recall  
5 what the general numbers look like?

6 WITNESS BAIR: I think economists, different  
7 people, agree, I think for Tier One Common Equity, which is  
8 true loss-absorbing capital, the range is from 8 to 13  
9 percent.

10 COMMISSIONER MURREN: Great. Thank you.

11 CHAIRMAN ANGELIDES: Just to follow up on that  
12 very quickly, 8 to 13 percent on Tier One?

13 WITNESS BAIR: Um-hmm.

14 CHAIRMAN ANGELIDES: How does that compare to--

15 WITNESS BAIR: Tier One Common.

16 CHAIRMAN ANGELIDES: Tier One Common?

17 WITNESS BAIR: Yes.

18 CHAIRMAN ANGELIDES: How does that compare to  
19 pre-crisis?

20 WITNESS BAIR: Well, there was not a Tier One  
21 Capital in the U.S., especially for holding companies, that  
22 included a lot of things that--

23 CHAIRMAN ANGELIDES: Excuse me? For what kind of  
24 companies?

25 WITNESS BAIR: For holding companies.

1                   CHAIRMAN ANGELIDES: For holding companies. I  
2 just didn't hear you.

3                   WITNESS BAIR: It involved a lot of things that  
4 were not true losses through capital, a lot of hybrid debt.  
5 So when I'm talking about Tier One Common Equity, true loss-  
6 absorbing capital. We did not have a requirement for the--  
7 the current requirement for risk-based capital is 8 percent,  
8 for Tier One for adequate, like 10 percent for well, but  
9 there was just a predominance of that had to be Common  
10 Equity.

11                   So the actual amount of true losses that were in  
12 Common Equity was significantly lower. So that the focus of  
13 Basel right now is to get the Tier One Common Equity levels  
14 up.

15                   CHAIRMAN ANGELIDES: But do you know where it was  
16 functionally?

17                   WITNESS BAIR: Functionally?

18                   CHAIRMAN ANGELIDES: True loss-absorbing capital  
19 was at what level?

20                   WITNESS BAIR: The--I don't know off the top of  
21 my head. I'd like to get the written analysis for you, if I  
22 could.

23                   CHAIRMAN ANGELIDES: Okay, if you would, please.

24                   WITNESS BAIR: But it would probably be around 4  
25 percent. Between 4 to 6 percent would be my guess.

1                   CHAIRMAN ANGELIDES: Thank you. That was the  
2 range. So you're talking about 4 to 6, now up to 8 to 13.

3                   WITNESS BAIR: Well, again, this is being debated  
4 right now. And it's not just my decision. It's part of an  
5 international community. But the ranges of estimates I've  
6 seen have been 8 to 13 percent, yes.

7                   CHAIRMAN ANGELIDES: Terrific. Thank you. Ms.  
8 Born.

9                   COMMISSIONER BORN: Thank you. And thank you  
10 very much, Chairman Bair, for appearing before us. I think  
11 you are the only witness to have appeared publicly before us  
12 twice, so I think our thanks are particularly necessary.

13                  WITNESS BAIR: My pleasure.

14                  COMMISSIONER BORN: I would like to explore with  
15 you a little bit how over-the-counter derivatives played a  
16 role in creating financial institutions that are too big to  
17 fail, the topic of our hearing today.

18                         And more specifically, whether the  
19 interconnections between large financial institutions  
20 through counterparty relationships in over-the-counter  
21 derivatives, and whether the concentration of over-the-  
22 counter derivatives' positions in the largest institutions  
23 played a role and were significant factors in rendering  
24 those institutions too-big-to-fail.

25                  WITNESS BAIR: Well I think with AIG clearly that

1 was the problem. I think derivatives played a role in this  
2 crisis in a number of ways. Concentrations was clearly a  
3 problem. The lack of transparency in the market was clearly  
4 a problem.

5 So nobody knew where the risks were. Nobody knew  
6 where the exposures were. So everybody seized up because  
7 nobody knew where the losses would fall next.

8 I think CDS in particular created an illusion of  
9 risk-free transaction, when it just simply wasn't the case  
10 because of the concentration of who was holding--who was  
11 going to have to pay if there was a credit default.

12 So I think all those factors played in and were  
13 major contributors to this crisis. And I am very glad,  
14 thanks to your leadership, early leadership on this, that  
15 Dodd-Frank has got a number of key provisions to move so  
16 much of this on to exchanges and through central clearing  
17 now. It will be a big help.

18 COMMISSIONER BORN: Do you think those provisions  
19 will reduce the systemic risk from the over-the-counter  
20 derivatives market?

21 WITNESS BAIR: I think it will certainly reduce  
22 the risk. I think there's still a fairly large flexibility  
23 for end users, as you know, and we'll see how that plays  
24 out.

25 I think in terms of, we were disappointed in

1 terms of our own resolution process. We have a very short  
2 timeframe to decide whether to accept or repudiate  
3 derivatives contracts if a bank, or now a systemic financial  
4 entity fails. We were hoping--right now, for banks, if it's  
5 a weak bank, we can require that they have systems in place  
6 so that they can tell us on basically a moment's notice what  
7 their net exposures are per counterparty.

8           But for a healthy bank, we can't require that.  
9 And we were really hoping to get that. That's probably  
10 something we'll keep pushing for. Ironically, for nonbank  
11 holding companies we, with the other regulators, can  
12 institute a rule to require that they know, on a real-time  
13 basis, what their net exposures are by counterparty, which I  
14 think will be extremely helpful as well in terms of managing  
15 risk and risk concentrations.

16           But for banks, we still have this gap that we'll  
17 try to get fixed.

18           COMMISSIONER BORN: Let me just go back to one  
19 factor in the financial crisis and the panics that were  
20 created by--or that you were concerned would be created by a  
21 failure of Wachovia, the panic that was created by the  
22 failure of Lehman Brothers.

23           I know that you've said you were concerned as  
24 part of the systemic risk analysis for Wachovia about the  
25 counterparty relationships, including the over-the-counter

1 derivatives relationships.

2 WITNESS BAIR: Right.

3 COMMISSIONER BORN: Was your concern limited to  
4 the credit default swap positions? Or was it--did it relate  
5 to the overall positions, which of course were much larger?

6 WITNESS BAIR: They had a lot of structured  
7 products in their trading book that we, again, just did not  
8 have enough information to get up to speed on. So, no, I  
9 don't think it was just CDS. John Corston, who's our lead  
10 examiner, here--it wasn't just CDS, yes.

11 COMMISSIONER BORN: And do you think that, as of  
12 that time, the over-the-counter derivatives market as a  
13 whole was playing a role in market uncertainty and panic?

14 WITNESS BAIR: I do. Because, again, because of  
15 the opacity of the market nobody knew where the risks were,  
16 who was going to take the losses, and that just--you know  
17 the wholesale sources of funding just completely dried up,  
18 just because nobody knew where the exposures were and who  
19 was going to take the losses.

20 COMMISSIONER BORN: Well let me just say, as a  
21 final thing, that I think that a lot of the steps that were  
22 taken on systemic risk in the Dodd-Frank bill and that are  
23 being taken administratively are in the right direction.

24 I certainly hope--I think one issue has been the  
25 institutional supervisor's focus on individual institutions

1 and thereby--

2 WITNESS BAIR: Yes.

3 COMMISSIONER BORN: --the ignorance, or the lack  
4 of attention, lack of focus, to market-wide issues like the  
5 securitization process, like the over-the-counter  
6 derivatives market, and I very much hope that the Financial  
7 Stability Council will look not only at the systemically  
8 significant institutions, but keep an eye out for  
9 systemically relevant markets and problems in those markets.

10 WITNESS BAIR: I agree with you. I agree with  
11 you. The products and practices can be just as devastating  
12 as individual risk institutions, perhaps more so.

13 COMMISSIONER BORN: Thank you.

14 CHAIRMAN ANGELIDES: Mr. Wallison.

15 COMMISSIONER WALLISON: Thank you, Mr. Chairman.  
16 And thank you for being here, Madam Chairman.

17 I have been trying to explore a little issues  
18 associated with the discount window, which I know you don't  
19 manage or have any control over.

20 WITNESS BAIR: Right.

21 COMMISSIONER WALLISON: But some of the issues  
22 that have come up is, what was the significance of the  
23 discount window at the time that Wachovia ran into  
24 difficulties?

25 What we have heard is that the plan for Wachovia



1 was to combine it with some other institution. That seems  
2 to have been the only plan. Now my understanding is that  
3 the discount window is available specifically for runs for  
4 solvent banks.

5 Was it the view of the FDIC, or any of the other  
6 regulators as far as you know, that Wachovia was in fact  
7 insolvent?

8 WITNESS BAIR: Again, I don't think we had the--  
9 no, at that point in time it was not. It was a liquidity  
10 crisis. Though I will say, under the FDI Act a bank can be  
11 closed if it becomes insolvent or if it cannot meet its  
12 obligations.

13 So the Fed has no affirmative obligation to fund  
14 an entity just because it's got a liquidity crisis. And  
15 actually the Fed is specifically prohibited from lending  
16 into a failing institution.

17 So I don't speak for the Fed. I don't know what  
18 the Fed's decision making was on that, but I will say this  
19 is a sensitive area for us. Because if the Fed does start  
20 lending, and that is government assistance going into that  
21 troubled institution, and that facilitates a lot of other  
22 counterparties, right, pulling their money out, the Fed is  
23 the secured lending and the Fed takes the highest quality  
24 collateral when it lends into an institution.

25 If that institution then subsequently fails, it

1 will cost the FDIC a lot of money. That is why the statute  
2 specifically says that the Fed should not be lending into a  
3 failing institution. And actually I think can only do so if  
4 we agree to that.

5           So I don't know the specific situation about the  
6 Wachovia's use or not use of the discount window. I would  
7 defer to the Fed on that. But I would say as a general  
8 policy matter, this is a sensitive area for us. And we  
9 certainly support the Fed being very careful about when they  
10 use that.

11           Because if the institution ends up failing, it  
12 will definitely increase our costs.

13           COMMISSIONER WALLISON: Well when I raised this  
14 question with Chairman Bernanke this morning, he said that  
15 you--that is, the FDIC, not "you" specifically but the FDIC-  
16 -had said, at least as I heard him, the FDIC had said that  
17 Wachovia was a failing institution and therefore the Fed  
18 could not make that loan to them because they would not  
19 normally lend into a failing institution. That's why I  
20 asked the question about the solvency.

21           WITNESS BAIR: Well it was--well, I guess we were  
22 acting on information from the OCC, which is not here, and  
23 the Fed were providing us, and the bank's own information  
24 suggesting they could not meet their liquidity needs. They  
25 could not meet legal demands and obligations that they had

1 come Monday morning. And I think there was about a billion  
2 in paper that they had not been able to raise on Friday.

3 COMMISSIONER WALLISON: Well just to be clear,  
4 the whole purpose of the discount window is to solve  
5 liquidity problems.

6 WITNESS BAIR: Right.

7 COMMISSIONER WALLISON: And so it's not a  
8 question of whether they could meet their liquidity needs;  
9 the question is whether people thought they were insolvent.

10 WITNESS BAIR: Right. But I think, again I--at  
11 that point in time, it was not insolvent. Whether it would  
12 maintain capital solvency was an open question, depending on  
13 a lot of factors like what's going to happen to the housing  
14 market.

15 But there were certainly a lot of credit quality  
16 issues with Wachovia. I don't think anyone can suggest that  
17 it wasn't a perfectly healthy institution; it just fell  
18 victim to broader market events. Clearly the market was  
19 reacting to some very bad decisions the management had made.

20 COMMISSIONER WALLISON: Okay, well then  
21 unfortunately that leads to the next question. And that is,  
22 if you approved--that is, the FDIC--approved a combination  
23 between Citibank that was already a very weak institution,  
24 and an institution that apparently you thought was on its  
25 way to failure, and in that combination, as you said in your

1 prepared testimony, Citi had to assume \$42 billion of risk  
2 on Wachovia as part of that transaction, how does any of  
3 that make any sense?

4 I mean, we have Citi that's already weak and in  
5 trouble. They are being asked now to merge with an  
6 organization that I think you thought might be insolvent, or  
7 on its way to insolvency--

8 WITNESS BAIR: Well it was clearly failing. I  
9 mean, the FDI Act specifically recognizes liquidity failures  
10 are capital insolvencies. From a liquidity standpoint, it  
11 was clearly failing. And so, you know, I think at the time,  
12 based on the information we had, we thought that Citi was  
13 the stronger institution.

14 And obviously later they ran into their own set  
15 of problems. But at that point, I think it was the  
16 collective decision of everyone that this would stabilize  
17 the situation; that this would stabilize the situation that  
18 Citi was, even though it perhaps its own problems, was the  
19 stronger institution than Wachovia and that would stabilize  
20 the situation.

21 We had to do something. I mean, I think we had--  
22 we had to do something. And I think, you know, saying,  
23 well, the Fed should just lend, that, that also is a form of  
24 government assistance. Some may also view it as a form of  
25 government bailout.

1                   And if all of the counterparties started pulling  
2 out of Wachovia, with the Fed left, with a huge exposure to  
3 Wachovia, and then it had failed later, I would be having a  
4 very different hearing with you right now. So I think, was  
5 it a perfect decision, Peter? No, it wasn't. But based on  
6 the information we had and the options we had available, I  
7 think it was the only course of action at that point.

8                   COMMISSIONER WALLISON: All right. Thank you,  
9 Madam Chair.

10                  CHAIRMAN ANGELIDES: Mr. Thompson.

11                  COMMISSIONER THOMPSON: It's nice to bat clean-  
12 up, for a change.

13                  CHAIRMAN ANGELIDES: I was going to say, the  
14 clean-up batter, for a whole nine months of hearings.

15                  COMMISSIONER THOMPSON: I won't take you back  
16 through the past. I'd like to look forward, if we might,  
17 and focus on the new regulations. It must have been a  
18 hallelujah day when the Dodd-Frank bill passed and you now  
19 have more things to help you control this environment.

20                  WITNESS BAIR: Right.

21                  COMMISSIONER THOMPSON: But I was struck by the  
22 comment you made that says there's little discretion now in  
23 the hands of any of the regulators, particularly in an  
24 environment where innovation occurs so fast. It's a global  
25 financial system, not just a U.S. financial system.

1           And crises, as they erupt or emerge can't be  
2 anticipated in legislation and regulation. So do you really  
3 think it is reasonable that the Congress would give you no  
4 discretion whatsoever in the way they have outlined the  
5 current legislation?

6           WITNESS BAIR: Well, there is discretion in terms  
7 of providing system-wide support. The Fed has it through a  
8 13.3 facility. I believe the Secretary of the Treasury has  
9 to approve their use of that. And we would have it with a  
10 Congressional approval process for providing system-wide  
11 guarantees of financial liabilities.

12           So if it is truly a system-wide crisis impacting  
13 all institutions, healthy and not, we do have the ability to  
14 provide some system-wide support. But we also have the  
15 resolution piece for the ones that are failing because they  
16 were mismanaged which will be put into resolution process.

17           So I think that the combination of--well, first  
18 of all, it's my fervent hope that, through greater market  
19 discipline and higher capital standards we will certainly  
20 have another cycle. But the kind of cataclysm we were  
21 facing, I hope we do not see that again. This was truly an  
22 extraordinary event.

23           We will have cycles, but I do think these  
24 combination of tools will be sufficient. And I think, you  
25 know, again, of the different options that are available,

1 bailouts are just not acceptable going forward. And the  
2 bankruptcy, I think frequently will be the course used for  
3 the weaker institutions.

4           Where they have systemic functions, the  
5 government setting up a bridge and operating it as it's sold  
6 off for a period of time, I think that is an important tool  
7 for us to have as well.

8           COMMISSIONER THOMPSON: So there is room for some  
9 judgment to be applied?

10           WITNESS BAIR: Yes, in terms--if it's a true  
11 system-wide crisis, that's right; yes. But again, only for  
12 generally available assistance on a system-wide basis.  
13 Then, even if the government took a loss on those types of  
14 facilities, as we were discussing earlier, that would  
15 trigger either a bankruptcy or a resolution. So the  
16 shareholders and creditors would be taking the losses, not  
17 the government.

18           COMMISSIONER THOMPSON: I was also struck by the  
19 fact that you highlighted the Financial Stability Oversight  
20 Council as one of the three key important attributes as we  
21 move forward.

22           Quite frankly, my experience in the private  
23 sector has been that councils are places where people go to  
24 opine and pontificate, and nothing ever gets done.

25           WITNESS BAIR: Right.

1                   COMMISSIONER THOMPSON: And with the limited  
2 experience, candidly, I've had in government, it's very true  
3 there. So what would lead us to believe--

4                   CHAIRMAN ANGELIDES: You said "councils," not  
5 "commissions"?

6                   (Laughter.)

7                   CHAIRMAN ANGELIDES: He said "councils" not  
8 "commissions." There's a very fine distinction.

9                   (Laughter.)

10                  WITNESS BAIR: Okay.

11                  COMMISSIONER THOMPSON: So why should--

12                  VICE CHAIRMAN THOMAS: Reserving the right to  
13 object.

14                  (Laughter.)

15                  WITNESS BAIR: That's right.

16                  COMMISSIONER THOMPSON: --why should we believe  
17 that this Council is going to be uniquely different and keep  
18 us out of trouble?

19                  WITNESS BAIR: Well, you know, I think--I'm glad  
20 you're skeptical because that will put pressure on all of us  
21 to make sure that we don't just, you know, meet every  
22 quarter and look at each other.

23                  I think one thing that's been helpful, though, is  
24 Congress has clearly given this new Council accountability.  
25 And if there's another systemic crisis, we can't go and say,



1 well, the Fed had holding companies and, you know, the OCC  
2 had national banks, and the SEC had the investment banks.  
3 We're all put together in the same room, and it's our job to  
4 manage systemic risk and make sure there are no regulatory  
5 gaps.

6           So we have accountability. We have ownership.  
7 If we don't do our job, then we should be held strongly  
8 accountable. So I'm hoping that kind of pressure--plus, I  
9 think people keeping our feet to the fire will help us get  
10 the job done.

11           I think Congress also has prescribed specific  
12 statutory roles for the Council with time frames, so we have  
13 to move ahead if we're to comply with the statute, and we  
14 should comply with the law and we have to move ahead.

15           So I have high hopes for it. I do. It's not  
16 structured exactly the way we thought. We were thinking  
17 more of an independent council with an independent chairman  
18 with writing authority and more of a robust entity. But I  
19 think the structure that Congress approved can work, and we  
20 will do everything we can from our perspective to make it  
21 work.

22           COMMISSIONER THOMPSON: So final question. If  
23 you look back over the last three years, four years, and if  
24 you had one bullet that you could fire as a regulator that  
25 would have mitigated or, quite frankly, prevented this

1 financial calamity, what would that have been?

2 WITNESS BAIR: I absolutely would have been over  
3 at the Fed writing rules, prescribing mortgage lending  
4 standards across the board for everybody, bank and nonbank,  
5 that you cannot make a mortgage unless you have documented  
6 income that the borrower can repay the loan.

7 COMMISSIONER THOMPSON: Here, here. Thank you.

8 CHAIRMAN ANGELIDES: All right. Thank you. Any  
9 more questions from Commissioners, compelling--yes. It  
10 doesn't have to be compelling, it just has to be a question.  
11 Go ahead, Mr. Holtz-Eakin.

12 COMMISSIONER HOLTZ-EAKIN: Following up on Mr.  
13 Thompson's question, why isn't the new Stability Council  
14 just the President's Working Group on Financial Markets with  
15 a coat of paint?

16 WITNESS BAIR: Well, I hope--you know, the  
17 President's Working Group has done some good work. It's  
18 been behind the scenes, and I think that's been an area of  
19 criticism, so perhaps it's not been--its contributions have  
20 not been as appreciated as much, but I think it has specific  
21 statutory responsibilities, unlike the President's Working  
22 Group.

23 It has specific jobs, and timetables to fulfill  
24 those jobs, and has specific accountability, too, whereas  
25 the President's Working Group is more of an ad hoc

1 enterprise after the '87 market break.

2           So I think it will be--I think the President's  
3 Working Group has done a lot of good work. I think this  
4 will be a more robust, more comprehensive effort.

5           VICE CHAIRMAN THOMAS: On that point, I think  
6 it's also that you're out on point; that you're seen as a  
7 functioning structure.

8           WITNESS BAIR: Yes.

9           VICE CHAIRMAN THOMAS: Any of the ad hoc  
10 structures are inside change and you've got to cover over  
11 them. I like the exposure idea and the fact that you're  
12 supposed to be a team, and it will be apparent if you are or  
13 you aren't.

14          WITNESS BAIR: Right. I think that's right. I  
15 agree with that.

16          COMMISSIONER HOLTZ-EAKIN: Thank you. You know,  
17 the Working Group has been around a long time, but I don't  
18 think it has a terribly illustrious history of success.

19          WITNESS BAIR: Well the FDIC was not a member of  
20 the President's Working Group, and actually until 2008 I  
21 think. But anyway--

22          COMMISSIONER HOLTZ-EAKIN: You must explain.

23          WITNESS BAIR: I think it did. It has made some  
24 good contributions.

25          CHAIRMAN ANGELIDES: And we really don't need an

1 empirical study of its effectiveness, do we?

2 COMMISSIONER HOLTZ-EAKIN: Can we request that?

3 (Laughter.)

4 CHAIRMAN ANGELIDES: Anyway, thank you very much,  
5 Commission members. Thank you very much, Chairman Bair, for  
6 being here not only twice before, but I might add I noticed  
7 in the work up here for being interviewed by our staff  
8 twice.

9 WITNESS BAIR: Yes.

10 CHAIRMAN ANGELIDES: So at the end of the day--

11 WITNESS BAIR: Well, we want to help and  
12 contribute to your success, as well.

13 CHAIRMAN ANGELIDES: And we'll sign a copy of the  
14 book for you.

15 WITNESS BAIR: Okay, great.

16 CHAIRMAN ANGELIDES: Or we'll present you with an  
17 enhanced e-version of the book that maybe links to some of  
18 your testimony.

19 VICE CHAIRMAN THOMAS: Mr. Chairman, I'm  
20 wondering if she's been so attached to us from an offensive  
21 or a defensive point of view?

22 (Laughter.)

23 VICE CHAIRMAN THOMAS: But thank you very much  
24 for your help.

25 CHAIRMAN ANGELIDES: And I want--

1                   VICE CHAIRMAN THOMAS:  And early on it was very  
2 helpful.

3                   WITNESS BAIR:  Good.

4                   CHAIRMAN ANGELIDES:  I want to make just a few  
5 thank-you here.

6                   I want to thank, first of all, all the people  
7 around the country who did tune in to watch us on C-Span.  I  
8 have been quite struck by the number of people who have  
9 walked up to me who have said they have watched these  
10 hearings, not because of us so much but because of this  
11 tremendous hunger to understand what's happened to our  
12 country.

13                   I want to thank all our witnesses who came before  
14 us.  I want to thank the Commission Members and the staff--  
15 let me start with the Commission Members for their  
16 preparation, for their seriousness, and I really think for  
17 the way in which we've gone about this set of hearings to  
18 try to learn information, and gather it not only for  
19 ourselves but the public.

20                   I want to thank the staff, who has put in a  
21 tremendous number of hours and effort, a real testament to  
22 public service.

23                   I want to thank Chairman Dodd for, once again,  
24 making this room available to us.  And I want to remind  
25 everyone that, while this is our last hearing in the

1 Nation's Capital, we are going to be in four cities across  
2 the country: Bakersfield, Las Vegas, Miami, Sacramento,  
3 communities that are struggling with double-digit  
4 unemployment, and that are in the grips of some of the most  
5 severe foreclosure crises in this country.

6           So thank you all very much. This public hearing  
7 of the Financial Crisis Inquiry Commission is adjourned.

8           (Whereupon, at 1:20 p.m., Thursday, September 2,  
9 2010, the hearing was adjourned.)

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