

FDA/CENTER FOR VETERINARY MEDICINE  
STAKEHOLDER MEETING

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Johnson County Community College  
Overland Park, Kansas

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1 MR. ROGERS: To start our afternoon  
2 session Dr. Sundlof, the Director for the Center  
3 for Veterinary Medicine, is going to give us an  
4 update. His colleague, Dr. Tollefson will sit in  
5 for him and tell us what has happened since our  
6 last stakeholder meeting in August. And now to  
7 launch us for this afternoon's session,  
8 Dr. Sundlof.

9 DR. SUNDLOF: Thank you, Mike.  
10 And I do apologize for being late this morning, but  
11 I think it was very ably handled.

12 We will go ahead and talk just a  
13 little bit about some of the things -- some of the  
14 problems that we face at the CVM.

15 Although we're trying very hard to  
16 meet people's expectations, sometimes it's a little  
17 bit difficult.

18 Here's kind of the problem. We  
19 showed a similar slide at the last stakeholders'  
20 meeting, and at least to date nothing much has  
21 changed. In the last five years, as Dr. Henney  
22 mentioned, the FDA in general has had an eroding  
23 base budget, even though the numbers have stayed  
24 the same or even increased in some areas at least a  
25 little bit, certainly in the area of user fees



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1 there's been a change in the resources available to  
2 the agency. That's not the case at CVM.

3 We have had some increases in food  
4 safety issues, but that's very targeted and  
5 focused. So we do have decreasing resources in the  
6 face of expanding responsibilities. And there are  
7 a number of those.

8 Just to list some of the areas  
9 where we're at, we've had no program increases in  
10 nonfood safety initiative programs in the '90s.  
11 There's been no increase for inflation, pay raises  
12 or cost of living from '92 to '99. We've had no  
13 pay increases in cost of living. That comes out of  
14 our operation budget. So we have less money to  
15 hire new people in such activities as standards and  
16 new development, regulation-writing, et cetera.  
17 We've had to absorb reductions to cover tobacco,  
18 and food safety initiatives in 1998. And the way  
19 that worked was we asked in our budget for certain  
20 amount of money; and in the case of tobacco it was  
21 about \$34 million to put tobacco programs together  
22 that we were appropriated \$16 million but told to  
23 spend \$3 million dollars. So that additional \$17  
24 million -- or whatever it comes out to be -- \$20  
25 million, \$18 million came out of all of the



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1 programs within FDA.

2 As a result of the present  
3 streamlining initiative, the national performance  
4 review we've had to downsize and streamline some of  
5 our processes. And in addition, we've had to take  
6 on some new legislative initiatives which we fully  
7 support and we're very glad that we did have  
8 success in getting legislation. But along with  
9 that legislation is a demand that we do a lot of  
10 work to implement the right regulations and et  
11 cetera, and that takes away from some of our more  
12 core functions.

13 Here's what we've asked for in the  
14 year 2000. As Dr. Henney said in her program, this  
15 is the biggest increase that the FDA has ever asked  
16 for, and if we're successful, we will be very  
17 grateful. This will help to restore some of the  
18 erosion that has occurred in the '90s. If we are  
19 successful in what we've asked for -- and the  
20 President has already supported this -- there will  
21 be an additional 36 positions in the Office of New  
22 Animal Drug Evaluation to help us with some of the  
23 backlog and in the regulation-writing process.

24 We also will ask for about \$4  
25 million in operating costs for the agency, which



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1 would give us a total of a little bit over \$7  
2 million, and that doesn't include the increases to  
3 the field. That would be substantial in CVM's  
4 base budget.

5 Here's what we identified in the  
6 year 2000 as some of the gaps. And if you look at  
7 this chart, the entire bar is where we think we  
8 ought to be. This is what we would need to do our  
9 job as we think expectations are out there. A lot  
10 of this is based on our last stakeholders meeting  
11 where people told us where we should be spending  
12 our resources, the things that we're supposed to be  
13 doing.

14 You can see that the green area is  
15 what we're presently able to do. If we get our  
16 year 2000 increase, that's what the red bar is. So  
17 even with an increase in people and money, it  
18 doesn't make a lot of impact on our overall ability  
19 to reach our goal of a hundred percent.

20 Premarket Approval. Again that's  
21 an area where we want to focus a lot of our  
22 resources.

23 Product Quality Assurance. That's  
24 making sure that we are inspecting, making sure  
25 that we're out there in the plants and doing our

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1 job in a timely manner so that we're making it once  
2 every two years.

3 Our research will actually  
4 decrease a little bit in 2000. But research is in  
5 fairly good shape presently and that's largely due  
6 to the Food Safety Initiative.

7 Outreach, our ability to  
8 communicate with our stakeholders, is important,  
9 and we will not be doing as much next year as we  
10 were doing this year.

11 Enforcement. Again, an area that  
12 is suffering because of the erosion of our base.

13 Injury Reporting. Although in  
14 2000 we are asking for \$800,000 to do a better job  
15 of injury reporting or event reporting, some of  
16 these areas where you see we're actually going  
17 down, it was planned that we would ask for  
18 increases in those areas in the year 2001. So if  
19 we are successful this year, in our budget for 2001  
20 we'll try and make up for some of those losses this  
21 year.

22 Well, in -- based on the chart  
23 that I just showed you, those are just the things  
24 that are -- those are the products that FDA/CVM  
25 produces.



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1                   The whole budget was targeted at  
2 productivity, but it didn't really take into  
3 account many of the things that Dr. Henney has just  
4 talked about, and especially improving the science  
5 base of the organization. And so we're going to  
6 have to address that also in our year 2000 budget.

7                   I'll talk a little bit about why I  
8 think improving the science base is very  
9 important. I fully support what Dr. Henney's  
10 vision is for improving the science base.

11                   This is kind of a schematic that I  
12 came up with, and that's about as complex as can I  
13 get it, drawing a triangle. This is supposed to be  
14 a pyramid in which the base of the pyramid is the  
15 science, and the science is the support of most of  
16 our regulatory activities, all of the standard-  
17 setting, et cetera, et cetera. When you have a  
18 fairly minimal science base, you have a very large  
19 regulatory oversight.

20                   The caption says, "In the Face of  
21 Uncertainty FDA Will Over-Regulate Every Time."  
22 And that's fairly true. I found that to be very  
23 consistent that with imperfect knowledge where  
24 there is uncertainty, the FDA and other regulatory  
25 agencies -- especially public health agencies --

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1 will always take a conservative approach, because  
2 they are accountable. Those agencies are  
3 accountable. But the better the information, the  
4 more surgical, the more precise those regulations  
5 can be so that they are less burdensome to the  
6 industry.

7 We look at the science base.  
8 Again, the white part of that schematic represents  
9 the science base with the regulatory oversight  
10 being the top part. Where we'd like to get to is  
11 to have a relatively small oversight that draws  
12 from a very large scientific base.

13 I put surveillance on the bottom  
14 because I think surveillance is critically  
15 important to our ability to write correct  
16 regulations and have feedback as to if the things  
17 that we've done in terms of standard-setting,  
18 regulations are providing the results that we  
19 anticipate.

20 Surveillance is very important  
21 from the standpoint of things that we don't know.  
22 We really look at surveillance as an activity where  
23 we're casting a broad net out there and we're  
24 trying to find out information, burdening our  
25 regulated products that we may not have any idea



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1 exists out there.

2 We require fairly indepth clinical  
3 studies before we approve a drug, but things happen  
4 that were never anticipated. This happens in  
5 veterinary products; it also happens widely in  
6 human products. Without a good surveillence  
7 program out there -- and I think some of the  
8 questions that you just heard in the telecast  
9 really supported that -- how can we get information  
10 back to the FDA that we're having problems with  
11 certain products? Having a good surveillence  
12 program out there that's sensitive and picking up  
13 critical information that we can feed back into the  
14 regulatory process is very important because we  
15 just don't know everything.

16 In the face of ignorance we will  
17 tend to underregulate, and that's not good either.

18 Research is a second component.  
19 Research will provide answers to questions that we  
20 know to ask. If we know that we need more  
21 information in a specific area, we can use research  
22 to provide us with those answers. This doesn't  
23 mean that all of the research and all of the  
24 surveillence is the responsibility of FDA. In  
25 fact, most of the research -- actually only a very

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1 small part of the research that we use in our  
2 decision-making process and standard-setting  
3 process comes directly from FDA research. We draw  
4 from the full scientific body of knowledge out  
5 there.

6 Similarly, although a lot of our  
7 activities, because they are product-related in  
8 terms of surveillance, are related to FDA-based  
9 surveillance, there are other surveillance systems  
10 out there, too, such as Centers for Disease  
11 Control, MedWatch and other things that are funded  
12 by FDA will add to that surveillance information  
13 that we need.

14 Then the most important thing that  
15 I think we do as a regulatory agency is set  
16 standards that are reasonable, that are protective  
17 of the public, that are not overly burdensome on  
18 the regulated industry. Standard-setting is a very  
19 public process. We set standards that we think  
20 conform with what society expects from us. That's  
21 why it is an open process. But once we set those  
22 standards, then it's up to us to help the  
23 industries meet those standards. So we want to set  
24 standards that are focused, that are not overly  
25 burdensome, but that are protective of the public



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1 health and then help the industries meet those  
2 standards.

3 The last two things on the top of  
4 that that aren't labeled up there: Enforcement and  
5 Approval. Those are the two regulatory actions  
6 that we generally take -- as FDA is we approve  
7 products and we take regulatory action against  
8 products that don't come into compliance with the  
9 standards.

10 So now this is a chart that you  
11 already saw where we just talked about improving  
12 our capacity to do the things to make the outputs  
13 that we have generally. What are we going to need  
14 in the year 2001 in order to not only improve our  
15 ability to meet our statutory requirements but also  
16 to improve the science base. We're in the process  
17 of working on that budget right now. But certainly  
18 trying to keep people current, making sure that the  
19 scientists and the FDA are on par, have parity with  
20 the scientists in the industries that we regulate,  
21 et cetera.

22 I think I'll just stop right  
23 there. Thank you.

24 MR. ROGERS: Thank you, Steve.

25 A couple of ground rules for our

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1 stakeholders session this afternoon. I'm going to  
2 ask each of the speakers to please identify  
3 yourselves before you start speaking, for the  
4 benefit of our transcriber. You will each have two  
5 minutes -- I'm sorry -- ten minutes; except the  
6 National Pork Producers, Paul and Beth, will have  
7 five minutes each. But two minutes.

8 I am going to introduce my black  
9 belt karate member of our compliance group, Noel  
10 Ferguson. He is black belt, and I brought him  
11 along to be sure that we adhere to the time limits  
12 of ten minutes.

13 All right. Our FDA panel is not  
14 to engage in debate but to clarify questions as  
15 appropriate.

16 You might also notice that at  
17 about 4:30 we will be inviting statements,  
18 questions from the audience. The microphones are  
19 on the side of the aisles and are provided for that  
20 purpose.

21 So with no further ado, Panel No.  
22 1, starting with Dr. Swanson.

23 DR. SWANSON: Dr. Richard Swanson.  
24 I'm president of the American Veterinary Medical  
25 Association.

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1 Good afternoon to all of you.  
2 It's good to see you. And thanks for eventually  
3 showing up, Steve.

4 As president of the American  
5 Veterinary Medicine Association I am pleased to  
6 participate in the stakeholders meeting. These  
7 issues are near and dear to the AVMA's heart, as  
8 drug availability is directly related to the  
9 veterinarian's ability relieve the pain and  
10 suffering of animals.

11 The objective of the AVMA is to  
12 advance the science and art of veterinary medicine,  
13 including the relationship to public health,  
14 biological science and agriculture. The  
15 Association provides a forum for the discussion of  
16 issues of importance to the veterinary profession  
17 and for the development of official positions. The  
18 Association is the authorized voice of the  
19 profession in presenting the views to government,  
20 academia, agriculture, pet owners, the media, and  
21 other concerned public.

22 The FDA seeks input on the animal  
23 Drug Availability Act and how to strengthen the  
24 Agency's science base and improve the communication  
25 processes. With regard to the ADAA, areas of

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1 progress have included the definition of "adequate  
2 and well-controlled study," approval of one  
3 veterinary Feed Directive product, though no  
4 regulations, feed mill licensure, approval of  
5 combination products and the CVM's minor use minor  
6 species proposal. The determination of  
7 "substantial evidence" of efficacy is a big piece  
8 of the ADAA that is still being tracked; that is,  
9 determining when greater one adequate and  
10 well-controlled study is needed or when field  
11 studies are needed to establish efficacy. It is  
12 through this piece that the AVMA and others seek a  
13 speedier drug approval process.

14 With respect to the FDA's desire  
15 to strengthen the science base and improve its  
16 communication processes, let me offer the AVMA's  
17 replies to Questions 1, 2, and 5.

18 Question No. 1 asks what actions  
19 the agency might take to expand FDA's capability to  
20 include state-of-the-art science into its  
21 risk-based decision-making. The AVMA applauds  
22 science and risk-based decision-making, and it is  
23 apparent that the CVM's concern with the approval  
24 requirements for antimicrobials for food-producing  
25 animals is an obvious opportunity for CVM to apply

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1 these principles.

2 The agency has made it clear that  
3 the approval of some new antimicrobials of high  
4 public health concern for use in food-producing  
5 animals will not proceed without the incorporation  
6 of a framework to address the microbial safety  
7 aspect of these products and a potential impact on  
8 human health.

9 The AVMA is committed to working  
10 closely, in cooperation, with the FDA/CVM on the  
11 proposed framework. Nevertheless, the AVMA urges  
12 two principles: First, that the agency consider  
13 regulating microbial safety under the rules for  
14 food contaminants instead of those for food  
15 additives. Food contaminants are substances that  
16 are unavoidably present and whose presence is  
17 tolerated, while food additives are those  
18 substances deliberately incorporated into foods.  
19 Each of these categories clearly engender different  
20 requirements.

21 Second, the AVMA advises that the  
22 agency conduct a risk assessment to characterize  
23 the actual human health impact of the use of  
24 antimicrobials in food-producing animals and derive  
25 the other benefits that a risk assessment offers.

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1 Risk assessment is well recognized  
2 as a tool that supports decisions. The discipline  
3 uses scientific data to evaluate risk and was  
4 introduced in the 1970s to evaluate the human  
5 cancer risk. Risk assessment provides what has  
6 been called by Anna Lammerding of Health Canada, "a  
7 common, unified work space for people of different  
8 backgrounds to contribute to a better understanding  
9 of the whole system." Risk assessments show where  
10 there are data gaps, serve as a storage vehicle for  
11 valuable knowledge as it is accumulated, and  
12 describe a chain of cause-and-effect events where  
13 proposed changes can be evaluated.

14 We recognize that this is an  
15 onerous task and realize that many data gaps will  
16 be revealed. But this tool puts us all on the same  
17 page looking at the entire process.

18 Research needs to be elucidated  
19 and can be prioritized, and as data is collected it  
20 can be plugged into the many holes. Over time we  
21 will have a more coherent understanding of the  
22 human health impact of anti-microbial use in  
23 food-producing animals. Forgive my oversimplified  
24 comparison to 3,000 pieces of a jigsaw puzzle  
25 spread out over a large table whereby a number of



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1 different people identify pieces and assemble these  
2 pieces into distinct parts. Together these parts  
3 are assembled to make the whole and complete  
4 picture, visible to us all. I believe that example  
5 illustrates in an admittedly simple way that the  
6 benefits to all of us of conducting a risk  
7 assessment. I believe the subject of  
8 anti-microbial resistance and potential human  
9 health impact is too important for us not to  
10 prepare a risk assessment.

11 The second question seeks to  
12 determine the ways the agency can facilitate the  
13 exchange and integration of scientific information  
14 to better enable FDA to meet its public health  
15 responsibilities throughout a product's life cycle.

16 Antimicrobial use in  
17 food-producing animals is, again, a fitting  
18 example. The AVMA sees the value in the  
19 establishment of a panel of experts, as described  
20 in the Institute of Medicine/National Research  
21 Council report "The Use of Drugs in Food Animals:  
22 Benefits and Risks." In the report, the Committee  
23 on Drug Use in Food Animals recommended that  
24 further development and use of antibiotics in both  
25 human medicine and food animal practices have



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1 oversight by an interdisciplinary panel of experts  
2 composed of representatives of the veterinary and  
3 animal health industry, the human medicine  
4 community, consumer advocacy, the animal production  
5 industry, research, epidemiology and the regulatory  
6 agencies. The mission of this panel would be to  
7 review on a scheduled basis data that address the  
8 concerns of antibiotic resistance development in  
9 animals and humans and to advise regulatory  
10 agencies in the development and use of antibiotics  
11 in agriculture and human medicine.

12 We would also suggest that FDA  
13 foster a more cooperative relationship with the  
14 USDA Agricultural Research Service and the  
15 Cooperative State Research, Education and Extension  
16 Service for scientific expertise and the USDA Food  
17 Safety and Inspection Service in the conduct of the  
18 microbial risk assessments.

19 Question No. 5 asks how to enhance  
20 the communication process. Allow us to be  
21 participants. We look forward to the active  
22 involvement in planning the CVM's upcoming  
23 workshops that pertain to the requirements posed in  
24 the framework document, for example.

25 Let me also take this opportunity

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1 to compliment the CVM on some of their existing  
2 means of communication; for example, on their  
3 outstanding representation at the AVMA council and  
4 committee meetings. This vehicle of communication  
5 is effective and greatly appreciated by the AVMA.

6 I'm also pleased that the CVM  
7 actively submits articles and information for  
8 inclusion in the journal of the American Veterinary  
9 Medical Association. The journal reaches 63,000  
10 veterinarians, a very large portion -- in fact,  
11 almost all -- of our profession.

12 We also find the FDA Veterinarian,  
13 CVM Updates and CVM web site to be helpful.

14 In closing, the American  
15 Veterinary Medical Association wishes to thank the  
16 Center for Veterinary Medicine for this opportunity  
17 to comment and looks forward to ongoing cooperation  
18 with the Center. We thank the Center for  
19 recognizing the role of the veterinarian as an  
20 informed professional in the safe and effective  
21 administration of drugs to animals. Such  
22 recognition is apparent in CVM's assignment of  
23 prescription or Veterinary Fed Directive status to  
24 drugs, creation of regulations for extralabel drug  
25 use, application of professional flexible labeling

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1 and the most recent acknowledgment of the AVMA  
2 judicious antimicrobial use principles. We pledge  
3 continued responsible drug use in the care of  
4 animals and active participation in the many  
5 deliberations that lie ahead.

6 Thank you very much.

7 (Applause.)

8 MR. ROGERS: Any questions from  
9 the FDA?

10 (No response.)

11 MR. ROGERS: Dr. Carnevale.

12 DR. CARNEVALE: Thank you, Mike.

13 I can personally vouch for Steve.  
14 He had a good excuse. I think we got on and off  
15 that plane more times in one morning than I think  
16 I've ever done in the last year.

17 In any case, thanks for inviting  
18 us here to the stakeholders meeting. I am  
19 Dr. Richard Carnevale of the Animal Health  
20 Institute, Vice President for Scientific Regulatory  
21 and International Affairs and on behalf of the  
22 Animal Health Institute and the Coalition for  
23 Animal Health I appreciate the opportunity to  
24 discuss the challenges that face the Center for  
25 Veterinary Medicine.

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1 As you know, AHI represents the  
2 companies that research and develop the drugs and  
3 vaccines that protect the health of both food and  
4 companion animals. Today I plan to discuss the  
5 overall effectiveness and operation of the drug  
6 approval process, both as it pertains to the FDA  
7 Modernization Act and the current efforts by CVM to  
8 alter the existing process for review of  
9 antibacterials. I will not address my comments to  
10 the Animal Drug Availability Act. Joel  
11 Brandenberger and Dave Bossman will specifically  
12 address issues on ADAA later in the program.

13 As you are aware, AHI and the  
14 members of the Coalition for Animal Health have  
15 voiced strong concerns about CVM's proposed new  
16 safety requirements for animal antibacterials  
17 without having adequately assessed the actual risks  
18 to public health. Dr. Swanson just addressed  
19 similar comments in his presentation.

20 These concerns were addressed  
21 directly in comments to the Veterinary Advisory  
22 Committee and amplified in the AHI comments filed  
23 on the proposed framework document in early April.  
24 It continues to cause us concern that while the  
25 Office of Epizootics and the World Health

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1 Organization, among other scientific bodies, have  
2 continued to suggest that documented risk  
3 assessment is the appropriate tool to develop and  
4 refine policy for animal/human safety, however, we  
5 fear that CVM may have established a zero risk  
6 policy for this issue.

7                   Throughout the debate on  
8 antibiotic resistance, AHI has vocally supported  
9 the collection of national data to provide a  
10 meaningful overview of the prevalence of resistant  
11 food-borne pathogens. Specifically we believe that  
12 the National Antimicrobial Resistance Monitoring  
13 System should be expanded to provide a more robust  
14 picture of change in susceptibility. We look  
15 forward to the opportunity to work directly with  
16 USDA and FDA to improve and expand the NARMS  
17 system. We believe that CVM shares our goals in  
18 this area, and we also believe that within AHI and  
19 the Coalition we have expertise that will be  
20 valuable if utilized in a positive manner. We hope  
21 CVM will take the opportunity to involve industry  
22 in workshops and symposia on this and other key  
23 elements of the effort to better understand the  
24 potential for resistance development.

25                   In fact, we are working to develop

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1 a workshop with CVM on the concept of resistance  
2 thresholds that is broadly laid out and discussed  
3 in the framework document. Again, while this is a  
4 positive step, CVM must make every effort to make  
5 sure that workshops and other efforts to get public  
6 input allow balanced participation and open input.  
7 We fear this was not the case in the VMAC hearing,  
8 the only previous opportunity for scientific review  
9 and public comment. In that case the format  
10 narrowed the range of questions that VMAC Committee  
11 members were allowed to pursue, and the public  
12 comments in many instances seems to have been  
13 overlooked. We certainly hope that CVM will  
14 carefully review these and subsequent comments to  
15 the framework document when preparing revisions.

16 All of the members of the  
17 Coalition for Animal Health have been active  
18 participants in the AVMA's association efforts to  
19 develop judicious use guidelines. We believe those  
20 efforts to combat the development of resistance are  
21 a key part of meaningful strategies to protect  
22 animal and human health.

23 We were somewhat disappointed when  
24 the judicious use guidelines did not figure  
25 prominently in the proposed framework or in the CVM



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1 presentation at VMAC. We would encourage CVM to  
2 make judicious use guidelines the cornerstone of  
3 the framework.

4 The member companies of AHI  
5 believe that the approval process for animal drugs  
6 should be based on science and the actual  
7 assessment of risk and not on assumed risk.  
8 Furthermore, the approval process should be certain  
9 and predictable. In many ways the current approval  
10 process at CVM fails to meet these standards. In  
11 October 1998, AHI filed a Citizens Petition with  
12 the Food and Drug Administration asking that CVM  
13 refrain from imposing additional requirements on  
14 individual applicants until the legal and  
15 scientific justifications for these requirements  
16 were clarified. We believe that the approval  
17 process continues to be disrupted by the  
18 uncertainty of these product-specific  
19 requirements. AHI looks forward to CVM's review  
20 and response to its petition.

21 AHI and the Coalition for Animal  
22 Health have always been committed to working  
23 constructively with CVM and attempting to address  
24 issues of concern in a positive and proactive  
25 manner. The record of cooperation with CVM

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1 established during development and passage of the  
2 Animal Drug Availability Act is a testament to that  
3 commitment. We believe that the spirit of  
4 cooperation can and should be brought to the table  
5 as the issue of antibiotic resistance is addressed.

6 With my remaining time, let me  
7 turn my comments to the Food and Drug Modernization  
8 Act. We would like to focus on five areas of that  
9 legislation in regard to their impact on animal  
10 drugs, impact and implementation.

11 Section 116, Manufacturing  
12 Changes. We welcome the fact that congress and FDA  
13 are moving to implement a more streamlined  
14 procedure for making changes in the manufacturing  
15 process and/or specifications of new human and  
16 animal drugs, particularly for those changes  
17 considered minor. However, we want to point out  
18 the long before FDMA, AHI and CVM had worked out a  
19 procedure for the agency review of Category I  
20 manufacturing changes called the Alternate  
21 Administrative Procedure. This allowed firms to  
22 submit many changes considered minor as biennial  
23 reports to the Agency, both expanding the current  
24 list of changes that don't need prior approval and  
25 also reducing the paperwork burden for documenting

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1 such changes. AHI co-sponsored a workshop with CVM  
2 to introduce the procedure for the AAP. We viewed  
3 this as a highly productive exercise with many of  
4 our member firms participating in the program.  
5 With passage of FDMA, our initial reading was that  
6 the law should not change the basic tenets of the  
7 AAP, but more recent feedback from the agency  
8 indicates that may not be the case. In particular  
9 Section 116 requires annual reporting while the AAP  
10 permits biennial.

11 The major concern with our members  
12 at this stage is that we're unable to get any  
13 specific guidance from CVM on this issue. We hope  
14 that the benefits gained from the AAP are not lost  
15 because of the new legislation.

16 Section 130, Reports of  
17 Post-Market Approval. This is a new provision of  
18 the law which requires reports of post-marketing  
19 studies on new drugs and presumably new animal  
20 drugs. AHI has several questions with regard to  
21 the provision. What was the intent of this section  
22 and how is it applicable to animal drugs? What  
23 types of studies will it apply to? Could it  
24 potentially apply to antibiotic resistance  
25 monitoring, which may not be a study, per se, but

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1 the ongoing collection of data? We are also  
2 concerned with the public release of such studies.  
3 The law only indicates the identification of the  
4 sponsor and the status of the study will be  
5 released. Could that potentially be interpreted to  
6 allow release to the public?

7 Finally will there be a lead  
8 office for reporting the information to the public  
9 or to Congress, or will each Center be  
10 responsible?

11 Section 402, Expanded Access to  
12 Investigational Therapies and Devices. An  
13 important section or part of the law allows greater  
14 access to lifesaving therapies that may not be  
15 available commercially but are under investigation.  
16 This is clearly aimed at human therapeutics, but  
17 could it be applicable under similar circumstances  
18 to animal drugs? CVM has a compassionate use  
19 policy that permits the use of certain unapproved  
20 drugs for treating animal diseases where there may  
21 be no approved drug. However, this policy is tied  
22 to the INAD in that the veterinarian wishing to use  
23 the drug must be engaged in an active  
24 investigation. Furthermore, it's uncertain whether  
25 or not the company would be able to recover costs

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1 for providing the drug and must maintain specific  
2 records of the distribution and use.

3 Companies frequently get requests  
4 for investigational drugs that have data -- at  
5 least partial data -- showing them to be safe and  
6 effective, but they're just not yet approved. They  
7 have a difficult time honoring those legitimate  
8 requests unless they're able to assume the costs  
9 and all the recordkeeping and other  
10 responsibilities that go into it.

11 We'd encourage the Center to  
12 consider to apply the intention of this section of  
13 FDMA to animal drugs.

14 Approval of Supplemental  
15 Applications for Approved Products under Section  
16 403. This section covers new criteria for  
17 supplemental applications. AHI would like to know  
18 when guidance on implementing this provision would  
19 be available for animal drug manufacturers. We  
20 know that FDAMA encourages the companies to submit  
21 supplemental applications based wholly or in part  
22 on published literature or data already submitted  
23 to prevent duplication of research. This does seem  
24 at odds with the proposed regulation published last  
25 year on the new definition of "substantial evidence

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1 of effectiveness" under the Animal Drug  
2 Availability Act. In that proposal, the agency  
3 appeared to be discouraging the use of public  
4 literature as a demonstration of substantial  
5 evidence as well as the previously submitted data  
6 considered less than contemporary. We wonder how  
7 the ADAA and the intent of FDMA will be reconciled  
8 on this matter.

9 At that point I can conclude my  
10 comments. Thank you.

11 (Applause.)

12 DR. WAGES: My name is Dennis  
13 Wages, and I'm a veterinarian representing the  
14 American Association of Avian Pathologists, which  
15 is primarily composed of poultry veterinarians,  
16 allied industries, commercial production, research  
17 and academia. Veterinarians in AAAP are involved  
18 in the production of over seven billion broilers,  
19 300 million turkeys and 325 million table egg  
20 layers, producing over eighty million eggs  
21 annually.

22 One of the intents of the FDA  
23 Modernization Act is to make available new animal  
24 drugs for use in livestock. However circumstances  
25 surrounding the recently discussed framework

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1 document produced by FDA/CVM seems to have  
2 disrupted the approval process and the potential  
3 for new animal drug development. It's my  
4 understanding that until the framework document is  
5 finalized, new animal drug approvals are on hold.  
6 Likewise, the major pharmaceutical players in our  
7 industry have put the discovery of such new animal  
8 drugs with potential use in poultry not only on the  
9 back burner, but the discovery process for food  
10 animal drugs as a whole has ceased.

11 Even though the intent of the  
12 framework document was to increase the availability  
13 of drugs used in veterinary medicine and provide a  
14 comfort zone of use of antibacterials to all those  
15 involved, in reality it has brought it to an end.

16 I would encourage CVM to encourage  
17 the drug approval process while the framework  
18 document is being fine-tuned, because there are  
19 more questions than answers regarding the document.  
20 Discovery of new and innovative therapeutic  
21 regimens are vital to the food animal industry as  
22 the arsenal of therapeutic agents declines.

23 From the FDAMA communications  
24 listed on the CVM web page it's stated and we've  
25 heard today that Dr. Henney places a high premium

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1 and priority on making sure that science anchors  
2 FDA's decision-making process. The poultry  
3 industry is concerned where the science and the  
4 risk assessments are associated with some of the  
5 current thinking regarding antibacterial uses. Is  
6 it not possible for an impartial or at least a  
7 diverse panel to be identified by CVM to peer  
8 and/or scientifically review studies and articles  
9 that are released to not only CVM but professional  
10 and private sectors to comment on the implications  
11 of such articles.

12 For example, the study from  
13 Minnesota regarding Campylobacter resistance in  
14 ready-to-eat poultry raises some serious questions.  
15 It's my understanding that the majority of the  
16 Minneapolis-St. Paul chickens originates from one  
17 company which, during the study, had not used any  
18 flouroquinolones. Also during that same time  
19 period, the National Chicken Council says that only  
20 1.1 percent of the chickens in the United States  
21 were even treated with flouroquinolones. It starts  
22 in my mind a question, is there the potential for  
23 this antibiotic to actually cause the resistance  
24 that was noted? Although we don't have the true  
25 answers, it raises concerns about potential

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1 cross-contamination at the retail level, as  
2 production companies have little control over their  
3 product after it leaves the processing facility,  
4 and other questions about ready-to-eat poultry.

5 The poultry industry has for many  
6 years cautioned that much cross-contamination  
7 occurs in repackaging of ready-to-cook chicken and  
8 that proper preparation is necessary. Sometimes  
9 these common-sense procedures are never emphasized  
10 in the prevention of exposure to food-borne  
11 pathogens at the CVM level. We believe that CVM  
12 needs to take advantage at an educational level.  
13 If we are going to place science in our decision  
14 process, then let's do it based on scientific  
15 experts from both sides of the question, both pro  
16 and con, and not base our decisions on politics and  
17 consumers -- excuse me, consumer groups, CDC or  
18 actions from our European neighbors.

19 It seems initiatives and  
20 directions are implemented when science does not  
21 appear to support the decisions; not in all cases  
22 but in some of the more controversial ones. A  
23 diverse panel of scientific experts identified by  
24 FDA/CVM could be valuable in determining the  
25 scientific merit of reports that have a potential

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1 for controversy. Get all the facts from all the  
2 people and then make decisions. Likewise, the same  
3 experts could be involved in aiding the Agency  
4 into what scientific methods and applications are  
5 needed that would hopefully result in data being  
6 generated that all sides could derive value from.

7 There's no question that there are  
8 two sides to every story. However, concerning the  
9 antibiotic use controversy, there are pieces of the  
10 scientific information that certain groups seem to  
11 overlook, depending on their own agenda, and no one  
12 more group is any more at fault than any other. I  
13 would encourage CVM to continue to look at all  
14 sides of the issues and determine the true risks  
15 and outcomes of such issues.

16 For example, antibiotic use leads  
17 to resistance. It's a known fact that the  
18 antibiotic resistant bacteria concerning certain  
19 microbials are found in certain animals and that  
20 food-borne illness becomes more complex and many  
21 factors need to fall into place. We need to  
22 understand and to know that if, in fact, the  
23 treatment of poultry and/or any other animals  
24 actually does lead to antimicrobial resistance and  
25 truly an untreatable or at least food-borne illness

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1 that refractory to treatment in humans. If there  
 2 are food-borne illnesses that are, in fact,  
 3 refractory to treatment, is this caused by the use  
 4 of antimicrobials in poultry flocks? I guess  
 5 that's the \$64,000 question that I think people,  
 6 especially science, needs to answer.

7 I would encourage the Agency to  
 8 focus on the probability of the occurrence of such  
 9 antibiotic use when it's controversial and the  
 10 probability of such use and not the possibility of  
 11 such use.

12 Risk assessment is the buzz word  
 13 in the world of regulatory affairs and we feel that  
 14 it's the appropriate scientific route of choice for  
 15 some of these issues that face us. Retrospective  
 16 studies with adequate numbers of groups represented  
 17 to epidemiologically demonstrate that there is,  
 18 indeed, a cause-and-effect relationship of the use  
 19 of these antibacterials in veterinary medicine with  
 20 the result being a food-borne illness refractory to  
 21 treatment.

22 There are many statistic-  
 23 gathering mechanisms in process concerning  
 24 antimicrobial resistance that needs to be  
 25 correlated, evaluated and disseminated to



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1 stakeholders. NARMS, Food-Net, Food Safety  
2 Initiative, post-approval monitoring programs are  
3 all in various stages of data collection. This  
4 information needs to be carefully evaluated and  
5 disseminated and to avoid misinterpretation of the  
6 data.

7 What information is public versus  
8 what is proprietary and where is this information  
9 to be consistently found? This is information  
10 that's being generated that can put all the pieces  
11 of the puzzle together, but also pieces of that  
12 information can be used to carry on certain  
13 agendas.

14 We don't have all the answers, but  
15 hope that the future direction of FDA/CVM be driven  
16 by the emphasis placed on addressing these issues  
17 scientifically and not do what may be politically  
18 correct.

19 I don't envy the pressure that CVM  
20 has put on them from all sides. Strengthening the  
21 agency science base through well-defined studies  
22 that are going to tell us what we need to  
23 know is paramount. I think we need to outline  
24 objectives, design a plan of action that answers  
25 the key questions to our objectives.

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1                   Let us ask ourselves: What  
2 information do we have that's available to us right  
3 now that provides us insight and what gaps are  
4 there present in the information, and then what do  
5 we need to do to formalize an evaluation process  
6 that will be meaningful and address the Agency's  
7 objectives and concerns?

8                   Outside objective evaluation of  
9 the plan of action and studies to be implemented  
10 are key to the success of the Agency's goal to  
11 strengthen its science base. As you are doing  
12 today, allowing all stakeholders to be involved as  
13 to the future of assessing public health risks is a  
14 vital part of it.

15                   The future of antimicrobial use in  
16 all medical professions and the future availability  
17 of drugs depends on the Agency's process as to its  
18 future direction. Of course actions will always  
19 speak louder than words.

20                   Thank you for allowing me to  
21 address these concerns of the poultry industry and  
22 the poultry veterinary concerns to you today. I  
23 feel that FDA/CVM will direct themselves in a  
24 manner that will provide the comfort zone for all  
25 stakeholders involved in these hot and very

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1 controversial issues. Thank you.

2 (Applause )

3 MR. WADDELL: I'm John Waddell.  
4 I'm a practitioner from Nebraska. I'm here  
5 representing the American Association of Swine  
6 Practitioners.

7 The AASP is a professional  
8 organization of over 1300 veterinarians in the  
9 United States. Our members are integrally involved  
10 in all aspects of swine health and production. The  
11 AASP has a vested interest in assisting the FDA,  
12 and specifically the CVM, in implementation of the  
13 FDA Modernization Act.

14 Modernization is a continual  
15 process for any organization. Without some plan to  
16 improve, any organization, including the FDA, may  
17 find itself providing no real value to its  
18 customers or stakeholders. The development of  
19 creative strategies as part of this improvement  
20 process but true and measurable success depends on  
21 the implementation of these strategies; therefore,  
22 the implementation of ideas and strategies  
23 discussed today will speak much louder than any  
24 words that will be spoken here.

25 One of the stated objectives under

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1 FDA's Modernization Act is to strengthen its  
2 science base. We applaud the CVM in its desire to  
3 use science in its decision-making.

4 The application of science can be  
5 a powerful tool. This raises the key issue of what  
6 level and kind of science is needed. The intuitive  
7 answer is that we need good science; however CVM  
8 needs to identify the attributes of good science,  
9 which include methodology and verification. Good  
10 science is not intuition and perception.

11 It is often tempting to forego  
12 science in the face of expediency and emotionalism.  
13 When science is not available, the challenge is not  
14 merely strengthening the science but also involves  
15 the balance between politics and science.  
16 Regulatory decision-making needs to balance  
17 political agendas and science. The line between  
18 the two often becomes obscured and distorted.  
19 Unfortunately, in the absence of science, political  
20 expediency rules the day. We must not let that  
21 happen.

22 We urge the FDA/CVM to remain  
23 committed to using science in the risk-based  
24 decision-making process. Before the FDA finalizes  
25 any decision, perhaps the following question should



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1 be asked: Will the decision significantly lower  
2 the risk to public health?

3 Most AASP members practice in a  
4 world of applied science. Science dictates what  
5 medication and what treatment regimen to use. It  
6 dictates the avoidance of violative residues. It  
7 is this adherence to science that ensures we are  
8 producing a healthy and safe food product while  
9 securing the livelihood of our clients.

10 Can you imagine what would happen  
11 if veterinarians disregarded our scientific  
12 knowledge? What will FDA's decisions be like if  
13 they disregard scientific knowledge?

14 For veterinarians our measure of  
15 success in the field are well-defined.  
16 Unfortunately, the measure of success for  
17 regulatory decision-making is not always so  
18 clear-cut. However, this does not diminish the  
19 need to discover and identify the attributes of  
20 strong science as the CVM incorporates the  
21 state-of-the-art science in its decision-making  
22 process.

23 How can CVM strengthen its  
24 science? The first step is to define a process  
25 that can objectively review and select appropriate



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1 studies and investigations that are pertinent to  
 2 the decision at hand. The agency should not  
 3 utilize a subjective process of intuition and  
 4 perception that biases the decision-making  
 5 process. Any selective use of data to accomplish a  
 6 political agenda does little to protect the public  
 7 health, nor does it build the credibility of the  
 8 Agency.

9 Strong science must be considered  
 10 when drawing data from many disciplines and  
 11 sources. The application of experimental research  
 12 can be extremely limited and biased. For example,  
 13 so-called bench research can prove that some event  
 14 is possible. The question then becomes: Is this  
 15 significant in terms of applied science? In light  
 16 of such research, I return to the original question  
 17 posed to decision-makers earlier: Will this  
 18 decision significantly lower the risk to public  
 19 health?

20 Strong science dictates that each  
 21 scientific discipline be placed in perspective with  
 22 relation to its value to the decision process. For  
 23 example, we are faced with the issue of  
 24 antimicrobial resistance. This issue is  
 25 overshadowing everything else that CVM is currently



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1 doing. Epidemiology is a discipline that seems to  
 2 be occupying much of the discussion on the issue.  
 3 As an investigational science, epidemiology relies  
 4 on observing populations and then making inferences  
 5 about those observations. The subjective nature of  
 6 inferences can allow errors that bias the  
 7 interpretation of data, thus weakening the science.

8 Biological systems are inherently  
 9 variable. Attempts to misrepresent a state of  
 10 nature may provide sensational news stories and  
 11 good editorial fodder, but they do little to  
 12 strengthen the science. Superbugs may be today's  
 13 headlines, but such sensationalism has no place in  
 14 an attempt to strengthen the science in  
 15 decision-making.

16 Strong science embraces the  
 17 concept of consistency in a number of different  
 18 circumstances. Any attempt to oversimplify a  
 19 cause-and-effect mechanism and the interventions  
 20 required to mitigate a risk may produce unintended  
 21 consequences. The failure to account for  
 22 variability in veterinary medicine and the  
 23 production of food animals will do little to  
 24 protect the public health, but it may unwittingly  
 25 devastate an agricultural industry.



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1 CVM must recognize the limitations  
2 of the science that is available for their  
3 decision-making. The agency must be prepared to  
4 deal with variability and uncertainty. It must not  
5 use the lack of data as an excuse to employ  
6 unscientific reasoning such as the precautionary  
7 principle. The precautionary principle is based  
8 primarily on perception and intuition, not  
9 characteristics of strong science.

10 The logical place to start in the  
11 agency's quest for effective risk-based  
12 decision-making would seem to be the use of  
13 scientific risk assessment. The attainment of some  
14 understanding of the presenting level of risk,  
15 whether qualitative or quantitative, is essential.  
16 Without this in place, the Agency cannot begin to  
17 come to grips with the level of science or data  
18 needed for the process.

19 A great deal of the value of  
20 determining acceptable risk and understanding a  
21 level of risk is the role that they can play in  
22 assuring the CVM's limited resources will be  
23 allocated to achieve the greatest impact.

24 The concept of risk assessment is  
25 also consistent with the efforts of other



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1 governmental agencies. By clearly understanding  
2 the areas of greatest risk and employing a more  
3 comprehensive and systematic approach, the CVM can  
4 utilize a cooperative approach to improving food  
5 safety. The U.S. Department of Agriculture,  
6 through the Food Safety and Inspection Service,  
7 represents an important resource to mitigate the  
8 risk of food-borne disease at the point of  
9 slaughter.

10 CVM's demonstration of its  
11 willingness to adopt a formal risk assessment  
12 approach and strengthen the science will enhance  
13 the Agency's credibility and its efforts to  
14 communicate with its stakeholders.

15 A key factor in improving  
16 communication is trust. Unfortunately, there  
17 appears to be very little trust present between the  
18 CVM and its stakeholders. This lack of trust  
19 should not be misconstrued as malicious intent by  
20 any party. It is, however, symptomatic of the  
21 uncertainty and lack of transparency in the  
22 decision-making process.

23 Consistent and sustained  
24 communication efforts are required by all  
25 involved. Stakeholders cannot be embraced by CVM



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1 during its modernization efforts and then held at  
2 arm's length with disdain during the decision-  
3 making process. Likewise, CVM cannot be portrayed  
4 as the enemy with no redeeming value for animal  
5 agriculture or public health.

6 When faced with uncertainty from a  
7 lack of science, CVM should look to its  
8 stakeholders for assistance. The timing of such a  
9 request is vital. If the decision-making process  
10 has proceeded too far, the assistance will have  
11 little value or real impact on the process. When  
12 the process has gone too far, stakeholders have to  
13 wonder whether their input was desired at all or  
14 whether it was merely window-dressing needed to  
15 satisfy a statutory requirement. The result is  
16 the loss of credibility in these situations. FDA  
17 needs to bring the stakeholders into the process at  
18 the earliest moment.

19 Stakeholders have an obligation to  
20 respond with credible data where available. When  
21 data is not available, stakeholders should provide  
22 expert assistance in setting the research agenda  
23 and perhaps in conducting pertinent research. A  
24 fostering of communications, collaboration and  
25 cooperation must take place if CVM wishes to be



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1 efficient and effective at meeting its  
2 responsibilities.

3 I thank you for this continuing  
4 opportunity to offer comment. As I stated before,  
5 the development of creative strategies is part of  
6 modernization, but true and measurable success  
7 depends on the implementation of these strategies.  
8 Any resulting action from today's discussion will  
9 speak much louder than any words spoken here.

10 (Applause.)

11 MR. ROGERS: Pork Producers will  
12 have five minutes each.

13 MR. SUNDBERG: Good afternoon.  
14 I'm Paul Sundberg. I'm the Assistant Vice  
15 President of Veterinary Issues from the National  
16 Pork Producer Council.

17 I want to begin by thanking the  
18 agency for the opportunity to offer comments this  
19 afternoon on behalf of approximately 85,000  
20 producer members in 44 affiliated state  
21 associations.

22 The National Pork Producers  
23 Council is committed to the evaluation of  
24 scientific data to assess many of the issues that  
25 affect our industry. We have a series of pork

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1 producer committees that do this with the advice  
2 of a variety of scientific experts. They then take  
3 their evaluation and look at various management  
4 alternatives and develop communication strategies  
5 when appropriate.

6 I'd like to offer some comments on  
7 the Agency's strategic directions as well as the  
8 specific questions posed in the Federal Register  
9 notice of this meeting.

10 The first two strategic directions  
11 and the first question in the Federal Register  
12 bring together the concept of scientific analysis  
13 and risk-based decision-making. Our comments at  
14 the last VMAC meeting demonstrate our support of  
15 the use of science to assess risk. It's clear the  
16 continuing challenge is to evaluate the accuracy  
17 and appropriateness of the science.

18 There seems to be at least two  
19 primary research areas that have occupied much of  
20 the debate about the risk of antimicrobial use in  
21 agriculture and how it affects public health.  
22 Therefore, two examples are bacteriology and  
23 epidemiology, and these two are really two  
24 different examples of approaches to a science-based  
25 mechanism.



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1                   The first, bacteriology, has  
2                   focused on the laboratory discovery of the genetic  
3                   basis for resistance, its mechanism of action and  
4                   its transmission from one individual bacterium to  
5                   another. We have improved our scientific  
6                   techniques from describing R factors to an  
7                   investigation of integrons and transposons. In the  
8                   years to come we will find even more innovative  
9                   ways that bacteria adapt to their environment.  
10                  This doesn't imply these are new bacterial  
11                  mechanisms, only that our discovery or  
12                  understanding of them is new.

13                   Laboratory experiments are limited  
14                  by the laboratory conditions under which they're  
15                  conducted. There's a danger of taking the results  
16                  or the findings of the experiment as a template of  
17                  what happens outside of the lab. The field does  
18                  not have the ability to control laboratory  
19                  environment.

20                   Epidemiology has been defined as  
21                  the study of patterns of disease that exist under  
22                  those field conditions; the frequency, distribution  
23                  and determinants of health and disease of  
24                  populations. The unit of interest is the  
25                  population and not the individual. It's useful to

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1 provide some data that suggests associations among  
2 health determinants but usually not a  
3 cause-and-effect relationship.

4 As with other sciences, all of  
5 these data are only valid if it has the power to be  
6 supported by statistical analysis, if the study was  
7 designed properly and if it makes intuitive sense.  
8 Epidemiological studies that fail in any of these,  
9 as with the other bench sciences, may divert our  
10 attention, efforts and resources.

11 As Dr. Waddell said, unfortunately  
12 peer review publication does not always insure  
13 equality. For the Agency to stand on a risk-based  
14 decision-making policy it has to use the best  
15 information available from the bench sciences and  
16 the field sciences to do a risk measurement or  
17 assessment. Using just one discipline will  
18 dangerously narrow and invalidate any assessment of  
19 risk and probably will be misleading. This is true  
20 whether you're using only bacteriology,  
21 epidemiology or any other scientific discipline. A  
22 systems approach is needed for risk assessment to  
23 be scientifically valid -- similar to that of the  
24 Agency's strategic directions that calls for a  
25 systems approach to Agency regulation and looking



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1 for problem solutions rather than piecemeal review  
2 and enforcement. Only then can it reasonably  
3 assume what policies are going to have an effect on  
4 the risk.

5 The first question asks what  
6 actions the agency can take to expand its  
7 incorporation of state-of-the-art science into its  
8 risk-based decision-making. The Agency should  
9 develop the model so that it can assure itself that  
10 its decision-making is, in fact, risk-based, using  
11 the expertise available within and without the  
12 agency to define and develop risk-based risk  
13 assessment approach. This will ensure the  
14 inclusion of the state-of-the-art science because  
15 the risk assessment model has be to continually  
16 refined as more information comes available. Once  
17 the model for risk assessment is developed through  
18 a transparent, scientifically defensible process,  
19 the agency, in conjunction with its stakeholders,  
20 can move on to the risk management and risk  
21 communication portion of the total risk analysis.

22 The basic message is to follow the  
23 risk analysis process and not implement risk  
24 management policies before doing an assessment of  
25 the risk. The risk communication strategy appears



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1 to be the point of Question 3, the actions needed  
2 for educating the public. This is exactly why the  
3 agency must have already completed the defensible,  
4 credible assessment of risk, to communicate those  
5 strategies to the public. Without that credible  
6 assessment, its message of the balance between  
7 risks and benefits may not be believable or even  
8 well founded. Completing an assessment of risk and  
9 the transparent transfer of risk management policy  
10 will give the stakeholders the tools that will  
11 enable them to carry the FDA's message to the  
12 public.

13 We stand ready to help the agency  
14 in this task. The nation's pork producers are  
15 willing to spend their own checkoff money on this  
16 because they recognize the important role of  
17 science in this issue.

18 I'd like to introduce Barb  
19 Determan. She's a pork producer from Iowa, also  
20 from the National Pork Producers Council.

21 And I'd also like to thank the CVM  
22 to allow us to split up our time.

23 MS. DETERMAN: As Paul said, I'm a  
24 producer from Early, Iowa. Myself and my husband,  
25 Steve, and our three children have a family farming

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1 operation in northwest Iowa. Our farrow-to-finish  
 2 operation produces about 2000 head of hogs a year.  
 3 I am a volunteer for the National Pork Producer  
 4 Council. I donate my time to represent producers  
 5 from across the nation.

6 I appreciate the opportunity to  
 7 talk with you this afternoon about the agency's  
 8 reliance on science to meet its obligations. I  
 9 would like to give you my perception after I've had  
 10 a chance to meet with the CVM on two occasions on  
 11 its decision-making process. Thank you for those  
 12 two opportunities as well as this one today.

13 Meetings like this are very  
 14 important in helping to foster open communication  
 15 and exchange of ideas between the CVM and its  
 16 constituents. We also need to explore new ways  
 17 that this can go farther. The CVM has people with  
 18 the decision-making power. Those decisions will  
 19 affect the way that the nation's pork producers, my  
 20 husband and myself live and work every day. I  
 21 think all of us -- CVM and the pork producers --  
 22 have a common goal of food safety and the  
 23 preservation of public health. There needs to be  
 24 an effective mechanism, how we work together to  
 25 help reach that goal. We need to better understand



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1 the constraints that the agency works under, and  
2 you need to better understand our business and how  
3 we work. One of the most important outcomes of  
4 these types of meetings is to talk about how that  
5 mechanism can be developed.

6 I would also like to say a few  
7 things about what I saw at the last Veterinary  
8 Medicine Advisory Committee meeting. CVM had  
9 gathered an impressive group of experts and  
10 advisors. However there was only one practitioner  
11 on the committee that had any idea of how  
12 veterinary medicine works in everyday practice, and  
13 that person chaired the meeting, which limited his  
14 ability to offer input. If the VMAC is to be  
15 effective, let it contribute the real life  
16 understanding of veterinary medicine that CVM  
17 needs. Speaker after speaker tried to offer that  
18 input during the first day, but when it came to the  
19 discussions of the Committee during the second day,  
20 there was no indication that what we had tried to  
21 convey had any effect on the outcome.

22 I recently had the opportunity to  
23 travel to Europe to talk with Swedish producers,  
24 scientists, officials and veterinarians about how  
25 they raise pigs and use antibiotics.

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1                   One of the things I learned was  
2                   that they're relying more on politics than they are  
3                   on science. In fact, science is basically on the  
4                   run in Europe. Many of their policies are based on  
5                   marketing decisions and posturing of one country  
6                   against the others. This is not a good example for  
7                   the CVM and their science-based decision-making.

8                   In a recent issue of Meat  
9                   International, a trade magazine for international  
10                  meat associations, there was an interview with Anne  
11                  Birgitte Lundholt, the managing director of Danske  
12                  Slagterier, the federation of producers and  
13                  slaughterhouses in Denmark. When she was asked  
14                  about the EU ban of certain antibiotics as growth  
15                  promoters and what the effect has been on  
16                  production, she said, "Scientifically growth  
17                  promoters do not seem to be a problem, but we find  
18                  it impossible to explain to the average consumer  
19                  that medicine has to be given to healthy pigs. It  
20                  is against our normal  
21                  philosophy of following science."

22                  When we talked with Danske  
23                  Slagterier during our trip, we were told of the  
24                  Danish plan to stop using all growth promotant  
25                  antimicrobials, even nursery-age pigs. The

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1 have said that the risk of agricultural uses of  
2 antimicrobials has not been determined, but there  
3 is no imminent hazard. We need to stand by our  
4 positions on sound science and become its advocate  
5 or we will find ourselves that we could be in a  
6 period of slow news and be forced to abandon it  
7 strictly because of policies.

8 The National Pork Producers  
9 Council is spending our pork producer checkoff  
10 dollars to try to supply some of the scientific  
11 answers we need, and we offer all the help we can  
12 help you in continuing those efforts.

13 Thank you.

14 (Applause.)

15 MR. ROGERS: Before we dismiss  
16 this panel, I'd like to ask the FDA group if you  
17 have any clarifying questions of any of the  
18 panelists.

19 (No response.)

20 MR. ROGERS: Hearing none, thank  
21 you so much for your input.

22 (A short recess was taken.)

23 MR. BREEN: We'll get started for  
24 the last session.

25 First of all, my name is Charles

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1 Breen, and I'll be filling in for Mike Rogers this  
2 afternoon. As you'll notice, there's a difference  
3 between the previous man standing over here in the  
4 dark suit and myself.

5 To continue, Dr. James A. Jarrett,  
6 Executive Vice President of the American  
7 Association of Bovine Practitioners.

8 DR. JARRETT: Thank you, David.  
9 I'm Jim Jarrett. I'm the Executive Vice President  
10 of the American Association of Bovine  
11 Practitioners.

12 AAVP is an organization of over  
13 5500 veterinarians, each with at least some  
14 interest and involvement in cattle medicine. We  
15 have members who are highly specialized in their  
16 practice and members who see only one or two cows a  
17 week; so we are quite varied in our interest.

18 We all share the knowledge that  
19 all of our bovine patients are only one conception  
20 away from McDonalds. They are all part of the  
21 human food chain, all of them. We all share a  
22 sense of responsibility for the health of the  
23 nation's cattle herd and the wholesomeness of the  
24 human food that it produces. We believe this food  
25 to be as safe as is humanly possible to make it.

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1 This is supported by the fact that the incidence of  
2 food-borne illness as a result of anything that  
3 happens at the farm level is at an all-time low.

4 We support our other animal  
5 agriculture interests that have gone before me  
6 today. And at the risk of saying "Me, too," and  
7 sitting down, I will continue. But we will be  
8 supportive -- where is Paul? -- all of you guys,  
9 and appreciate what you had to say as well.

10 Our mission is to prevent pain and  
11 suffering in our patients and to ensure that the  
12 pathogen level in food for animals is as low as is  
13 humanly possible to make it.

14 To do this, from time to time we  
15 need various therapeutic agents. This brings us in  
16 closer contact with the FDA/CVM than any other  
17 public agency, including the IRS. We appreciate  
18 the opportunity for input.

19 DR. TOLLEFSON: We've never been  
20 compared to the IRS.

21 DR. JARRETT: We appreciate the  
22 opportunity for to give input. We are encouraged  
23 by the report of the following of the stakeholders  
24 meeting in August of 1998.

25 Today I've been encouraged by



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1 statements such as risk-benefit ratio. I've been  
2 encouraged by statements that refer to a global  
3 economy, and would stress the need to keep American  
4 agricultural on a level playing field with our  
5 producing comrades around the world.

6 I am encouraged by a proposed  
7 increase in the dollars for outreach and  
8 enforcement as depicted by Dr. Sundlof slide  
9 earlier today.

10 Some of our members have the  
11 perception that FDA serves only the consumer  
12 interest and perceived needs using questionable to  
13 marginal science. As an example, the current  
14 intense activity over antimicrobial resistance is  
15 being an issue that, at the moment, has limited  
16 human health impact. Much of the action assumes  
17 that there is a problem or a hazard to human health  
18 that has yet to be demonstrated.

19 We have concerns that many actions  
20 and decisions seem to be based on marginal science  
21 at best and false information to emotionalism at  
22 worst. However, based on the premises that there  
23 might be a problem, animal agriculture is being  
24 proactive with its efforts to formulate such things  
25 as prudent or judicious use guidelines and

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1 distributing them to our end user members. We are  
2 making available to the practitioner database and  
3 data information on the selection dosage and usage  
4 of antimicrobial agents, including the choice of  
5 drugs as well as the dosage, terms of therapy and  
6 such information. This information is and will be  
7 made available to the practitioner to use as he or  
8 she makes decisions about controlling pain and  
9 suffering in our food animal patients at the same  
10 time.

11 However, we vigorously oppose any  
12 formulary or any edict that might tell or take away  
13 any of the responsibility or the decision-making  
14 power of the practitioner in the field.

15 This brings me to respond to the  
16 five questions. Some of this response will be a  
17 repeat from the last meeting in August, and I  
18 apologize for this.

19 The first question, though, I am  
20 impressed, though, that all these questions begin  
21 with the phrase, "What actions do you propose?"  
22 There have been many actions proposed by previous  
23 speakers, and I'm sure by those who will follow as  
24 well as some of the comments that I will have.

25 I'm most concerned about how we

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1 incorporate true science in a risk-based  
2 decision-making process, as related to the first  
3 question.

4 Monitoring is certainly a part of  
5 any concern or any evaluation of antibiotics or  
6 therapeutic agents. We certainly support some kind  
7 of monitoring program; however, we have concerns  
8 about how samples might be selected and collected  
9 and how the results might be used. We would  
10 encourage -- and I would encourage this as a part  
11 of all five responses -- the inclusion of  
12 veterinarians and other livestock producers with  
13 experience at the production level in the  
14 decision-making process, along with non-agency  
15 experts that have already been alluded to.

16 The second question refers to the  
17 actions needed or suggested to help in the exchange  
18 and integration of scientific information. We  
19 would suggest, as I have before, the utilization of  
20 the existing channels of communication, such as the  
21 American Association of Bovine Practitioners, the  
22 American Association of Swine Practitioners, the  
23 American Veterinary Medical Association, and yes,  
24 Dennis's poultry veterinarians, along with many  
25 other existing groups that are there with excellent

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1 communicating channels already in place. Again,  
2 the inclusion in this one as well of non-agency  
3 experts and outside assistance in formulating  
4 education programs.

5 Number 3 deals with educating the  
6 public about risk versus benefits. I take this to  
7 mean that there will be such a program and praise  
8 the Agency for this. This should include such  
9 information as resistance versus a shift in  
10 susceptibility. We feel it should identify some of  
11 the weakest public health links and concentrate  
12 efforts on these. Antimicrobial resistance may or  
13 may not be the weakest current public health link  
14 as it applies to food animal agriculture. And  
15 again, including outside experts and outside  
16 assistance as actions are formulated.

17 Question 4 focuses on action to --  
18 focus resources on areas of greatest risk. Here I  
19 would like to repeat some of the statements that I  
20 made at the August meeting. Many and most of our  
21 members would like to see the agency enforce  
22 current regulations before enacting new ones and  
23 feel that the enforcement of current regulations  
24 would go a long way toward helping to alleviate  
25 some of the problems currently seen.

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1 I'm encouraged by the increased  
2 funding that is being asked for in the area of this  
3 effort and the recent requests of CVM-FDA for  
4 funding to be applied in the area of surveillance  
5 and enforcement.

6 Most of the problems that we deal  
7 with today are caused by a few producers and  
8 veterinarians. Any action in the area of bringing  
9 this under control, we feel, must help in terms of  
10 solving the overall problem.

11 As an example of some of these  
12 problems, I could state just recently a request for  
13 all the members of the AABP in several states to be  
14 supplied to a compounding pharmacist. I did not do  
15 this and don't plan to. I would, in addition,  
16 quote -- or, rather, relate the fact that at a  
17 recent -- within the last three or four months at a  
18 major veterinary meeting in the exhibit hall, three  
19 booths promoting compounding pharmacists. This  
20 kind of activity can do nothing but, in our  
21 feeling, deter and deliver the wrong message to our  
22 clients and to many veterinarians in the field.

23 Question No. 5 refers to  
24 additional action items to enhance communication.  
25 Again, I would repeat, the involvement of existing

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1 channels of communication such as the organizations  
2 that are here today; and I would, again, as I did  
3 at the August meeting, encourage the exchange on a  
4 one-on-one basis between members of the agency and  
5 personnel in the field.

6 In summary, I would like to  
7 enforce or encourage the enforcement of existing  
8 regulations before new ones are formulated. I  
9 would like to encourage the allowing of time for  
10 current industry changes to take effect,  
11 particularly in microbial resistance in such areas  
12 as prudent use, and I would commend the agency for  
13 listening to its stakeholders in meetings such as  
14 this today and look forward to the resulting  
15 actions and changes as a result.

16 Thank you.

17 (Applause.)

18 MR. BREEN: Richard Wood,  
19 Executive Director of Food Animal Concerns Trust.

20 MR. WOOD: Thank you for the  
21 opportunity to respond to the questions related to  
22 the FDA Modernization Act.

23 I am Richard Wood. I am the  
24 Executive Director of FACT, or Food Animal Concerns  
25 Trust.



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1                   FACT is a consumer organization  
2 with about 30,000 constituents nationwide. We  
3 advocate farm management systems that promote the  
4 safety of meat, poultry and eggs. We have a food  
5 safety policy program that is based on our review  
6 of scientific literature, and our farm projects.  
7 We now have one project working with thirteen farms  
8 in Pennsylvania as well as in Hawaii where we have  
9 a Salmonella control program for an egg-layer  
10 system, and we're now working on a niche marketing  
11 project with hog farmers in the Midwest.

12                   Coming to the FDA questions. As a  
13 consumer-based organization, we must rely on the  
14 scientific research of others. We are not  
15 scientists, but that does not exclude us from this  
16 table. For all of our experience, we do bring to  
17 the table critical real-life questions about the  
18 safety of the food we eat. As we turn to the  
19 federal regulatory agencies, our questions become  
20 expectations as to how these agencies will address  
21 our food safety concerns. Granted, we could each  
22 develop a clinical list of expectations, but in our  
23 best moments as consumers we have some expectations  
24 that are not content filled as far as precise  
25 content, but they are filled in terms of outcome.

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1 There are expectations in terms of outcome.

2 Our expectations are that the  
3 regulatory agencies will gather all the data  
4 necessary to make a well-founded decision; that  
5 they will conduct unbiased research to the greatest  
6 extent possible; thirdly, that they'll provide a  
7 decision-making process that is transparent, giving  
8 opportunity for input and feedback from all the  
9 affected parties along the way; fourth, that the  
10 regulatory agencies will have the power to  
11 implement and enforce the resolutions fairly across  
12 the board wherever the threat or the need exists;  
13 and, fifth, that there will not be delay in the  
14 face of a food safety threat immediately related to  
15 public health.

16 It is in this context that I'd  
17 like to address the questions put before us by the  
18 FDA.

19 FDA Question 1: What actions do  
20 you propose the Agency take to expand its  
21 state-of-the-art Science? The FDA Center for  
22 Veterinary Medicine is about to implement a  
23 framework document that many have talked about  
24 today. I probably should have put this speech away  
25 and pulled out my framework speech, because that

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1 does seem to be the topic at hand. I do have some  
2 comments about it. But in the context of relating  
3 to the FDA questions, we do strongly support the  
4 framework document and want to see it implemented.  
5 I probably should sit down. But that's the  
6 position.

7 We also have a whole list of  
8 questions that we have raised, both publicly and  
9 through our comments about the framework document,  
10 as other groups have questions. Some have  
11 questions as to whether or not the framework is  
12 based on good science. We see the framework as a  
13 helpful expression both of what works and what  
14 needs to be replicated in the Agency, and also an  
15 expression of what doesn't work within the Agency  
16 as it addresses food safety issues.

17 What works? Well, the framework  
18 proposes to gather a wide range of data regarding  
19 the sale of antibiotics and their use on farms.  
20 The pharmaceutical companies are being asked to  
21 provide sales information. CVM is also proposing  
22 to initiate on-farm monitoring for antibiotic  
23 resistance, in addition to the information secured  
24 through the National Antimicrobial Monitoring  
25 Systems, or NARMS. Gathering actual use data

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1 should make it possible to link antibiotic use with  
2 decreased susceptibility when an event occurs to a  
3 particular drug, and thereby to make possible  
4 realistic mitigation strategies.

5 In our view this proposal is a  
6 model for how the FDA should go about making its  
7 decisions, and it's part of the answer to their  
8 first question regarding expanding its scientific  
9 capabilities. Gather all the data necessary to  
10 make a well-founded decision.

11 However, the framework fails as a  
12 model when it comes to the FDA implementing their  
13 proposals across the board wherever the need may  
14 exist. This is where you say they've gone to far,  
15 and we say they haven't gone far enough. The  
16 framework proposal is essentially prospective,  
17 addressing only new animal drug applications.

18 Our expectation is that this  
19 response to potential antibiotic resistance should  
20 be applied to all animal antibiotic approvals, past  
21 and future. With approximately fifty million  
22 pounds of antibiotics already going to the farm  
23 each year, all approvals should be included within  
24 one post-approval resistance monitoring scheme, and  
25 that would then create a level playing field for



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1 all antibiotics used with food animals.

2 Question 2. What actions do you  
3 propose to facilitate the exchange and integration  
4 of scientific information? In our view, consumers  
5 expect that a food safety regulatory agency will  
6 conduct unbiased and thorough research.

7 We all know that lack of funding  
8 is major a limiting factor of the FDA. It's  
9 heartening to see the bar graph where there is  
10 increased research funding thanks to some of the  
11 initiatives that are going on. But there are some  
12 endemic problems, in our view, that would not be  
13 fixed by more money. This has to do with the  
14 duplication of roles within the Agency and among  
15 the regulatory agencies. We were glad to hear the  
16 commissioner address that concern earlier today.

17 In response to Question 2, for  
18 there to be an exchange and integration of the  
19 scientific information, clear roles and authority  
20 must exist. FDA through FDAMA is presented with an  
21 excellent opportunity to take further steps to  
22 clarify how research is conducted within the agency  
23 and how it coordinates its efforts with other  
24 governmental agencies, like the ARS and FSIS and  
25 others.

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1 We call for continuing  
2 preservation of the Joint Commission and the Joint  
3 Council on Food Safety.

4 Second of all, we encourage the  
5 exchange of scientific information between the FDA  
6 and academia and industry researchers. FACT calls  
7 on the FDA to maintain and expand its own expertise  
8 and research base, that part of the pyramid that  
9 was laid out by Dr. Sundlof.

10 I recently had the opportunity to  
11 visit the CVM lab in Maryland, where the agency is  
12 addressing a number of animal health issues. What  
13 impressed me most during my visit, as a lay person,  
14 were areas in which CVM research was addressing  
15 critical animal health questions where neither  
16 academia nor industry research was to be found.  
17 Isn't that the way it's supposed to be? The focus  
18 on the exchange and integration of scientific  
19 exchange of information, we call on the FDA to  
20 maintain its own unique contribution to the process  
21 of scientific research.

22 Moving on to Question 4: What  
23 actions do you propose to enable FDA to focus  
24 resources on areas of greatest risk? First we feel  
25 that FDA must maintain its focus on priorities



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1 established through the Food Safety Program and  
2 also projects established by its own actions. As a  
3 consumer group we hold the FDA accountable for what  
4 it says it's going to do. The FDA is part of the  
5 President's Food Safety Initiative. FACT expects  
6 the Center for Veterinary Medicine to fulfill the  
7 food safety priorities as assigned. Sometimes we  
8 look at the bar graphs and say that's stuff we have  
9 to do. Well, it's there because we wanted it to  
10 happen, along with others, apparently, across the  
11 nation.

12 The CVM must also fulfill commitments  
13 that it has made in other areas, such as enforcing  
14 the mammalian to ruminant feeding ban and  
15 implementing regulations related to antibiotic  
16 resistance. As priorities, these are areas that  
17 should be held harmless from shortfalls in FDA  
18 funding.

19 Second, in terms of Question 4,  
20 risk assessment should be conducted within a time  
21 frame that allows for regulatory response as soon  
22 as possible. In our view, as we've experienced  
23 risk assessments among regulatory agencies, risk  
24 assessments have too often become the science of  
25 the delay. CVA is less guilty of this, quite



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1 frankly, than other FDA centers or agencies, but to  
 2 use an example from another area, in December of  
 3 1996, the FSIS began a risk assessment of  
 4 Salmonella enteritidis in shell eggs. We supported  
 5 that assessment. We provided that assessment  
 6 volumes of material. And maybe we provided them  
 7 too much material, because two years passed and no  
 8 risk assessment was published. In May 1998, an  
 9 ANPR was published as a joint FSIS-CFSAN effort,  
 10 but still no risk assessment was published.  
 11 Findings from the risk assessment was published  
 12 after the deadline for comments on the ANPR and  
 13 findings from the risk assessments then had to be  
 14 incorporated back to the ANPR. To date there's  
 15 been no further public movement toward a rule on SE  
 16 and shell eggs.

17 We applaud CVM for moving in a  
 18 timely fashion on both the BSE rule and  
 19 implementing the framework document.

20 Third, FACT is concerned about CVM  
 21 reliance on third parties to perform its reviews.  
 22 At several points in the Compliance Plan, the FDA  
 23 refers to the need to rely on third parties to  
 24 essentially speed up the drug approval process, a  
 25 necessary goal. While FDAMA allows CVM to work



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1 with third parties, we do not support an  
2 arrangement where the sponsor selects and pays for  
3 the contractor. FDA, we feel, needs to control the  
4 review process, even if third party contracts are  
5 established.

6 Finally, in response to the  
7 funding question. It may seem that we've not  
8 helped very much. We want a food safety  
9 initiative. What's that? 3.5 million at least?  
10 We want enforcement of the BSE regulations. Ching.  
11 We want post-approval surveillance of all  
12 antibiotics. Ching.

13 Quite frankly, as consumers we can  
14 only point to the need from our perspective. There  
15 are numerous areas of CVM cost that we have not  
16 identified, particularly with the implementation of  
17 ADAA. But we bring to you our priorities and  
18 concerns. Even though we are not in a position to  
19 say what to cut, we are in a position to work for  
20 adequate funding for this Center as it addresses  
21 food safety.

22 Finally, the last question. FACT  
23 supports FDA's objective of obtaining input from  
24 external stakeholders and encourages the continued  
25 use of its advisory committees for that purpose, as



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1 well as meetings such as today. We expect that the  
2 decision-making process at the FDA will be  
3 transparent, with feedback coming from all  
4 stakeholders, including consumer groups. For  
5 consumer groups, the FDA Office of Consumer Affairs  
6 is invaluable and the web site is helpful as well,  
7 even though many of the decisions facing CVM and  
8 FDA require scientific expertise, we call on the  
9 FDA to continue to involve lay people in the  
10 process. Science without a connection to people's  
11 experience is an abstraction and will lead the  
12 agency in meaningless directions.

13 Thank you.

14 (Applause.)

15 MR. BREEN: Our next speaker is  
16 Joel Brandenberger, Vice President of Legislative  
17 Affairs for the National Turkey Federation.

18 MR. BRANDENBERGER: Thank you.

19 My name is Joel Brandenberger,  
20 Vice President of Legislative Affairs for the  
21 National Turkey Federation. I represent,  
22 obviously, the processors and producers of turkey  
23 nationally. We really do appreciate the  
24 opportunity to be here today. In fact, we've done  
25 this with folks from CVM in a number of different

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1 venues over time. Maybe for fun we ought to do  
2 each other's presentation and see how it turns out.

3 I'm going to focus primarily on  
4 some of the questions regarding implementation of  
5 the Animal Drug Availability Act. But before I get  
6 to that, I would like to take just a moment to  
7 endorse some things that Rich Carnevale said, from  
8 AHI, Barb and Paul and Dr. Waddell -- I guess he's  
9 gone now -- and endorse their comments,  
10 specifically as they concern risk assessment and  
11 the antibiotic framework. Some of the gains which  
12 we're about to talk about that have been made by  
13 the ADAA could be put at risk if we make regulatory  
14 changes to the approval process for antibiotics  
15 that are not based on real risk and sound science.  
16 I think the desire of the stakeholders to see a  
17 comprehensive, qualitative risk assessment  
18 conducted required in implementation of any changes  
19 in the antibiotics approval process is clear.

20 I guess from our point, speaking  
21 not just for the National Turkey Federation, but I  
22 know I speak for everyone in the Coalition for  
23 Animal Health on this, we would encourage FDA/CVM  
24 to sit down with the stakeholders and to see if  
25 there's a way this could be done. We are confident

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1 and hopeful it could be done in a way and  
2 fashionably not slow. Also the overall time frame  
3 for addressing the antibiotic resistance issue.  
4 But I think you would see in a lot of the  
5 stakeholders a much higher degree of confidence if  
6 such a risk assessment were conducted.

7           Okay. To ADAA Implementation. I  
8 think, you know, ADAA covered a lot. I think we're  
9 going to focus today, speaking both for the  
10 National Turkey Federation and for the National  
11 Coalition for Animal Health on the efficacy  
12 provisions. That's the core of the bill. That's  
13 why we got involved with the stakeholders in  
14 pushing for the package. It's clear from the way  
15 it was constructed that that was Congress's primary  
16 intent. Very briefly the efficacy provisions that  
17 we're talking about here are, one, to remove the  
18 presumption that multiple field investigations are  
19 needed; to replace that assumption with one that  
20 either no or one field investigation may be all  
21 that is needed in many circumstances. Require CVM  
22 to justify more than one field investigation by  
23 written order specific to the drug and its intended  
24 use. Eliminate efficacy requirements for  
25 combination drugs when all of the drugs or active



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1 ingredients are previously approved and all have at  
 2 least one claim in the combination. And I should  
 3 mention that efficacy should still apply when two  
 4 or more antibacterials are used in combination, at  
 5 least for the feed and water drugs.

6 So two and a half years after  
 7 passage, how is CVM doing? How do we, as  
 8 stakeholders who worked so closely with them view  
 9 the success record on implementation of this Act.

10 Well, let's start with the good  
 11 news first. That has to do with the combination  
 12 drug section which, taken as a whole, appears to be  
 13 a working exactly as the ADAA's authors intended.  
 14 I had a chance to read some articles recently and  
 15 visit with some folks at CVM about that. We're  
 16 extremely pleased that we have seen, since ADA  
 17 became law, more than forty combination drugs  
 18 approved. Roughly 75 percent of those are  
 19 production drugs. Parochially speaking, the vast  
 20 majority have been poultry drugs, and even more  
 21 parochially we're even more pleased that four of  
 22 them have been combination turkey drugs. We should  
 23 also mention that there have been several cattle  
 24 approvals, and we have heard that there are some  
 25 swine approvals coming down the line. So, you



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1 know, we think that, on balance, it's working  
2 well. I'm not going to say that every application  
3 is going smoothly, because I'm sure if I indicated  
4 that I would hear from a lot of our pharmaceutical  
5 allied members tomorrow with some story. But I  
6 think there's every indication that the combination  
7 proposals are being looked at to be ensure that  
8 combination drugs are being used for appropriate  
9 therapy, that there no human safety residue  
10 questions involved, and that the answer to those  
11 questions are yes to the appropriate therapy mode,  
12 and CVM is to be commended and congratulated, in  
13 fact.

14 The good news that is tempered in  
15 a couple of issues. Dispersal of combination  
16 approvals is obviously going to have a limited life  
17 span. There's a limited, finite number of approved  
18 drugs out there for which these combinations can be  
19 used. At some point all of the available  
20 combinations will end and we will see the dispersal  
21 approvals begin to slow down.

22 That brings us to the question  
23 about other provisions. I can't -- when I  
24 originally started preparing for this presentation  
25 I originally thought we were going to have to take



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1 a hard look and raise some of the questions that  
2 we've raised in previous forums about whether less  
3 than three field investigations could really be  
4 used in those circumstances. After a while a lot  
5 of the anecdotal information that we've had in the  
6 past that we've had some problems. There are a lot  
7 of old stories. I'm not going to torture you with  
8 stories about instances where we've seen turkey  
9 drugs slowed by what we think is needless efficacy  
10 requirements. But I've got to say this: CVM has  
11 apparently completed, at least internally, its  
12 report to Congress that was required in the FY '99  
13 Agricultural Appropriations Bill. Hopefully very  
14 soon we'll see that publicly. We've seen some  
15 preferences to date that 78 percent of the  
16 applications have been approved at some point by  
17 the ADAA. We hope that's accurate. We're going to  
18 love to look for it and see how that's counted, how  
19 they're measuring these improvements. We hope it's  
20 good news.

21 What we've seen to this point has  
22 raised a couple of concerns, though. Last October,  
23 Congress proposed several questions to CVM in the  
24 context of a House Commerce Committee hearing about  
25 this very question. One of the answers was really

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1 disturbing. When they were asked to give the  
2 number of ADAAs in which less than three field  
3 investigations were used, the first line is, We  
4 don't have a field in our tracking system that  
5 allows us to measure this accurately. Well, it was  
6 pretty clear from the way Congress handled the ADAA  
7 that measuring this was going to be pretty  
8 important. So let me at least first suggest that  
9 perhaps that the tracking system be amended so  
10 there is such a field in the future and we can get  
11 an accurate measure of this. Because I think it  
12 was important to Congress; I know it was important  
13 to the coalition, and this is a question that's not  
14 going to go away, I think, until we can get an  
15 accurate measurement of this.

16 They did report in theirs answer  
17 to Congress that there had been at least seven  
18 supplemental ADAAs for food animals that had been  
19 approved for drugs with less than three  
20 investigations. That's encouraging. There was  
21 also a claim in the response to Congress that  
22 seventeen ADAAs, including nine for food animals  
23 that had less than three and sometimes no field  
24 investigations.

25 The question I come back to is I



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1 think a breakdown on exactly how many  
2 investigations -- you know, obviously we want to  
3 reveal the drug, but in general how many we were  
4 talking about would be extremely useful.

5 I think we also have to mention  
6 that the substantial evidence regulation, the  
7 second major implementing regulation for ADAA, is  
8 approximately six months overdue. We recognize  
9 this all is not entirely the Agency's fault, but we  
10 need to see the regulation at some point. And we  
11 are a little curious about the claim that, in part,  
12 the delay is we were waiting to see what happened  
13 with the arsenical. The omnibus appropriations  
14 bill did not pass until October, but the House  
15 first action on this was June 10th, and there was  
16 every indication from June on that this was going  
17 to be part of the bill.

18 I want to endorse what Rich said  
19 about compassionate use of INADs. I think there  
20 was at least one instance in our industry that this  
21 could be have been very useful. This is not just  
22 to pick on CVM. I say this to every pharmaceutical  
23 company that's here: Please, someone step up and  
24 use the binding presubmission conference as it was  
25 envisioned in the ADAA.

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1                   So finally we've got a handful of  
2 very short recommendations, quick recommendations  
3 we'd like to make on where to proceed from here.

4                   If the report to Congress does not  
5 include it, we would hope CVM, at its earliest  
6 possible date, would help us by further enumerating  
7 the original and supplemental ADAAs that have been  
8 approved since ADAA's enactment, the number that  
9 were approved with one or no field investigation,  
10 the total approvals since implementation compared  
11 with the total approvals for the two years prior to  
12 implementation, the number of combination approvals  
13 by species since ADAA's enactment and the number of  
14 pending ADAAs for which the Agency has agreed to  
15 require one or no field investigation, and the  
16 number of combination approvals by species that are  
17 pending.

18                   Whatever is in the report, we'll  
19 have to see it; whatever's not, we need to see it.

20                   The tracking system we've already  
21 mentioned.

22                   One other thing we've talked about  
23 in the past is we do think there should be some  
24 type of annual review with stakeholders of ADAA  
25 implementation, perhaps a little more informal than



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1 a session like this, to talk about the concerns,  
2 need the substantial evidence rule promulgated and  
3 we also need the Agency to please adopt a proactive  
4 stance for minor use minor species provisions.  
5 This committee did some very good work, but the  
6 fact that it does not yet have administration  
7 endorsing it is concerning to us if we try to move  
8 forward with implementing some of those  
9 provisions.

10 Thank you for your time.

11 DR. ALDERSON: Can we get a copy  
12 of the specific requests, the numbers that you  
13 would like?

14 MR. BRANDENBERGER: This is all  
15 marked up, but I'll certainly mail something to you  
16 tomorrow.

17 MR. BREEN: Our next speaker is  
18 David Bossman, President of the American Feed  
19 Industry Association.

20 MR. BOSSMAN: Good afternoon. My  
21 name is David Bossman. I am the President of the  
22 American Feed Industry Association.

23 I'm going to submit my formal  
24 remarks and questions or answers to the questions  
25 in writing so we don't have to go through all this

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1 today, and maybe we can even save a little time.

2 Much of the comments as per a  
3 stakeholder would be similar do what we did last  
4 fall. There's just a few things that I'd like to  
5 mention. The relationship that AFIA has with CVM,  
6 we consider very good, and we appreciate that  
7 ongoing communication in doing that.

8 Some of the specifics that I  
9 wanted to briefly mention on the ADAA. We need the  
10 regs for the BSD, we need the regs for the feed  
11 bill licensing, and we need the minor species. We  
12 we've heard those mentioned a few times today, and  
13 we'll have a more important or written documents of  
14 that as part of our submission.

15 The other issue is the funding for  
16 the state inspections. In order to have uniform  
17 inspections from one state to the other, we're  
18 going to need that funding. The relationship  
19 between FDA and AVCO and the industry is pretty  
20 unique. And as you drop off one of the states, the  
21 regulatory inspection scheme certainly doesn't hold  
22 as well as it could.

23 The final point that I'd like to  
24 bring out -- and certainly we've heard about it  
25 many, many times today -- and that's Dr. Henney's



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1 priority on risk assessment or science-based  
2 approach. In my mind, the real reason to do  
3 that -- and we've heard a lot of different comments  
4 about that, but the real reason to do that is for  
5 consumer confidence in the food supply. Anything  
6 less than that distorts why you are doing  
7 something.

8           And there's as Barb talked about  
9 what they're doing in Europe because it was a slow  
10 news day could really happen here. I had the  
11 Europeans in my office last week, and they said the  
12 same thing. They lost their opportunity for a  
13 science-based approach. We don't dare do that. If  
14 we can't stand on the science, we don't have  
15 anything to stand on. The emotion and the politics  
16 just will not ride today. We have to be able to  
17 use the science. And good science is good  
18 science. We found the Europeans, their science,  
19 they'll drag out a scientist who will say anything,  
20 and everybody can buy one. We haven't gotten  
21 to that point here and we don't dare get to that  
22 point.

23           It's interesting to note the  
24 English -- I don't even remember what her title  
25 was -- not too long ago said that the deaths

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1 because of Viagra, which was last year's headlines,  
 2 were significantly higher than the headlines of two  
 3 years prior which was BSE. And that's true.  
 4 People do know that there is a risk. There is a  
 5 risk to everything. They understand that risk  
 6 assessment works, and as long as we stand on the  
 7 science, we can live with that.

8 Thank you very much for the  
 9 opportunity to be here.

10 (Applause.)

11 MR. BREENE: Our next speaker is  
 12 Robert Sinclair.

13 MR. SINCLAIR: Good afternoon. My  
 14 name is Bob Sinclair. My wife, Jane, and I are  
 15 from West Bloomfield, Michigan. We are here with  
 16 our colleague, Jean Townsend from John's Island,  
 17 South Carolina. We'd like to thank the CVM for the  
 18 opportunity to attend this meeting and offer some  
 19 views.

20 As consumers and dog owners, we  
 21 feel strongly that the communication efforts of the  
 22 FDA can be improved so that users of animal health  
 23 products can have better access to understandable  
 24 and timely information. The quality of life of the  
 25 hundred million-plus American companion animals and



1 their owners and households will benefit when the  
2 agency treats information about animal health  
3 products the way it treats information about human  
4 health products.

5 Question 2 in the March 22nd  
6 Federal Register notice, let me offer two  
7 comments. First, FDA can improve the timeliness  
8 of publishing adverse drug experience reports,  
9 particularly when new drugs are introduced in the  
10 market. Delays in the exchange of information  
11 between the FDA and consumers can have serious  
12 implications for the companion animals that they  
13 care for.

14 Many manufacturers are required to  
15 submit ADAA reports to the Agency. Availability of  
16 evaluations of these reports to the general public,  
17 in our view, should not await preparation and  
18 subsequent publication of annual summaries.

19 An example, Pfizer introduced  
20 Rimidil Purprophen for dogs in January 1997.  
21 Clearly ADE reports were received during the '97  
22 calendar year, but the '97 FDA summary of ADE  
23 reports on veterinary drugs was not published until  
24 October 29, 1998. Dog owners were denied access to  
25 this important information for an unacceptably long

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1 period of time, in our view. For months during  
2 which the volume of ADE reports about Rimidil was  
3 building, owners were purchasing and administering  
4 the drug to their pets with little knowledge about  
5 adverse effects. Dear Doctor letters may be  
6 issued, and they were, and label changes may occur,  
7 and they did, but there is no assurance that  
8 balanced risk/benefit information is available to  
9 consumers. Lack of information about Rimidil's  
10 potentially toxic side effects seriously affected  
11 the quality of life of our toy poodle, Misty, and  
12 caused the death of Jean Townsend's chocolate lab,  
13 George.

14 We detailed Misty's story in  
15 reports submitted last October, and in February  
16 Georgia's necropsy report was sent to Pfizer and to  
17 the FDA/CVM.

18 Second, various means can be  
19 employed to disseminate balanced information about  
20 animal health products to consumers. Internet web  
21 site updates plus post read line bulletins to  
22 veterinary facilities and other communication  
23 techniques come to mind.

24 In view of the time, I'm going to  
25 edit this on the fly and go right on to the next

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1 point.

2 Question 3 in the notice asks,  
3 "What actions do you propose for educating the  
4 public about the concept of balancing risks against  
5 benefits in public health decision-making?" We  
6 have several responses to this question.

7 Direct to consumer so-called DTC  
8 advertising posts, we believe FDA can re-institute  
9 its earlier policy requiring that DTC advertising  
10 of human and animal prescription drugs in all media  
11 include a brief summary -- quote, "a brief  
12 summary" -- of hazards and contraindications.  
13 After broadcast advertising restrictions were eased  
14 on August 8th, 1997, it became apparent that  
15 procedures are not in place to assure that balanced  
16 information is, in fact, delivered in all media.  
17 Unbalanced TV commercials encourage animal owners  
18 to unknowingly demand drugs like Rimidil that may  
19 cause their pets to suffer lethal or sublethal side  
20 effects. Coupled with unavailability of label  
21 information or patient information leaflets, animal  
22 owners hoping to help their pets cannot evaluate  
23 the risks versus the benefits and make informed  
24 decisions.

25 We suggest a new regulation. We

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1 suggest that FDA can initiate rule-making towards a  
2 federal regulation requiring that consumer  
3 information prepared and supplied by the  
4 manufacturer must absolutely be delivered to animal  
5 owners when prescription drugs are purchased.  
6 Drugs suppliers and veterinary practitioners who  
7 fail to provide such information to animal owners  
8 would be held in violation of this regulation. And  
9 obviously means to monitor compliance and enforce  
10 the proposed regulation would be required.

11 Blister pack and tube packaging  
12 include inserts that do provide information, but  
13 many animal prescription drugs are dispensed in  
14 small vet-supplied containers without either label  
15 information or PILs, containing balanced  
16 risk/benefit information. Typically these  
17 containers indicate the name of the drug, the  
18 dosage and the condition for which it was  
19 prescribed. Animal owners are not assured receipt  
20 of accurate guidelines advising that their animals  
21 should be carefully and objectively monitored.

22 We -- Jean and I -- we never  
23 received such guidance about Rimidil. The only  
24 information that was provided verbally to us was  
25 that Rimidil is, quote, "safer than aspirin and has

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