

TRANSCRIPT OF PROCEEDINGS

DEPARTMENT OF HEALTH AND HUMAN SERVICES

FOOD AND DRUG ADMINISTRATION

FOOD ADVISORY COMMITTEE MEETING

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DEPARTMENT OF HEALTH AND HUMAN SERVICES
FOOD AND DRUG ADMINISTRATION

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FOOD ADVISORY COMMITTEE MEETING

Wednesday, June 17, 1998

7:45 a.m.

Sheraton Reston Hotel
11810 Sunrise Valley Drive
Reston, Virginia

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P R O C E E D I N G S

Labeling

1 DR. BRANDT: It is 7:45, time to begin. This
2 morning, our topic is going to be labeling, following which
3 we will have all the presentations on the labeling issue and
4 then discussion on that topic.
5

6 Then we will open up and we are going to go around
7 and poll everyone about your views on the three questions.
8 We do not vote. Each of you is here because you are at
9 least allegedly an expert on something. Therefore, that is
10 what the FDA needs. Remember, the FDA has all the options
11 they need, including ignoring us, should they choose to do
12 so, which is fine.
13

14 Or they can accept everything we say or nothing we
15 say or someplace in between. Just to give you the sort of
16 ground rules under which we are operating.

17 I want to begin by thanking the graduating members
18 of the committee, Dr. Harlander, Dr. Blackburn, Dr.
19 Benedict, Dr. Clydesdale, Dr. Applebaum, Dr. Clancy and Dr.
20 Wang, our perpetual tourist who goes around taking pictures.
21 We appreciate everything. I have enjoyed working with you.
22 Recognizing that feeling may not be mutual, I have enjoyed
23 it.

24 I also want to thank the temporary members who
25 have been brought in to assist us in our deliberations on

1 this issue, Dr. Underwood, Dr. Lamm, Dr. Feinleib, Dr. Byers
2 and Dr. Blaner. Thank you all for being here to help us
3 out.

4 That said, Ms. Campbell, are you here? We sure
5 need you right now.

6 **FDA Presentation**

7 MS. CAMPBELL: Good morning. You are going to
8 talk about labeling today. You have been asked to consider
9 newly available data and information regarding olestra and,
10 in light of this data, the current label for olestra-
11 containing products should be changed.

12 However, it is important that you understand how
13 FDA has to deal with labeling and that you consider this
14 question within the legal framework of the FD&C Act and the
15 governing authority that permits FDA to require specific
16 label statements on food products.

17 The Act requires, of course, that a food be safe
18 and wholesome and that its labeling be truthful and not
19 misleading. Specifically, the Act states that a food is
20 misbranded if its label is false or misleading in any
21 particular. It then lists several kinds of information that
22 must be on the labels of all foods, nutrition labeling being
23 the most recent edition.

24 A food is misbranded if its label fails to have
25 all of this required information. FDA also has authority

1 under the Act to require specific label statements on
2 specific foods when there is a safety issue. When the
3 agency evaluates the safety of a food ingredient, either as
4 a food additive or in affirming the food is GRAS, if it
5 determines that a specific label statement is needed for
6 safe use of the food, the food additive or GRAS regulation
7 can specify the statement needed.

8 The PKU statement on foods containing aspartame is
9 one example of labeling necessary for the safe use of the
10 food. But the Act also provides authority for the agency to
11 require specific label statements when needed for reasons
12 other than to insure safe use of the food.

13 The statutory authority to require these specific
14 label statements comes from the general provision that a
15 food is misbranded if its labeling is misleading in any
16 particular. We all understand that this prohibits
17 statements that are misleading.

18 But the Act goes farther in clarifying what is
19 meant by "misleading." It say that, "In determining whether
20 labeling is misleading, we must take into account not only
21 representations made about the food but, also, the extent to
22 which the labeling fails to reveal facts material in light
23 of such representations or material with respect to
24 consequences which may result for customary or usual use of
25 food."

1 In other words, labeling may be misleading not
2 only because of what it says but because of what it does not
3 say. The omission of a material fact from labeling may
4 misbrand a product. However, there is no statutory
5 definition of material fact nor has FDA defined it in its
6 regulations.

7 But we have used this standard in several
8 instances and, each time, on a case-by-case basis. There
9 were two criteria. I said one was when there is a
10 representation on the label that would be misleading without
11 additional information and the other is when there are
12 consequences of use of the food.

13 With respect to the consequences of use criterion,
14 the agency has required special labeling in cases where
15 information was necessary to insure that consumers are
16 alerted to adverse consequences that are associated with
17 consumption of a particular product.

18 One example is the special statement for protein
19 products intended for use in weight reduction. That has
20 been in the regulations for a number of years. It states,
21 in part, that very low-calorie protein diets may cause
22 serious illness or death. The need for that statement was
23 not because the product was inherently unsafe but because of
24 certain misuse patterns that had become common.

25 Labeling is also misleading if it omits

1 information that is material in light of representations
2 made about a product. Over the years, FDA has required
3 special labeling to clarify statements on the label or to
4 put them in proper context.

5 For example, in the original nutrition labeling
6 that was established in the mid-70's, that was the voluntary
7 nutrition labeling. One of the basic principles was that if
8 there was nutrition information on the label of a food, that
9 nutrition statement would be misleading unless the entire
10 nutrition profile was present.

11 That was the basis on which we required nutrition
12 labeling at that time. And we still hold that principle,
13 that a claim triggers nutrition labeling, a claim is
14 misleading in the absence of nutrition labeling.

15 Also, in the NLEA regulations that we did a few
16 years ago, we defined terms like "reduced" and "light," and
17 we found that those terms, without accompanying explanatory
18 information, could be misleading. And so the accompanying
19 explanatory information, "reduced fat is 25 percent fat,"
20 that accompanying information was material fact.

21 Now, that is the general principle, some of the
22 ways that we have used the material fact part of the
23 statute. Now, let's talk about it relationship to olestra.
24 At the time FDA approved the use of olestra in savory
25 snacks, it concluded that this use was safe.

1 However, the agency recognized that the
2 consumption of olestra may be associated with GI effects
3 such as abdominal cramps and loose stools but concluded, as
4 you have discussed for the last couple of days, based on the
5 available scientific evidence, that these effects did not
6 represent adverse health effects.

7 The agency, however, went on to conclude that
8 consumers should be provided with information to enable them
9 the association olestra with the GI symptoms that it can
10 cause. This information was also considered necessary to
11 preclude unnecessary concerns and inappropriate medical
12 treatment.

13 Therefore, we required a label statement informing
14 consumers of the possible consequences of use associated
15 with the consumption of olestra. Also, as I have already
16 said, labeling is misleading if it omits information that is
17 material in light of representations made about a product.

18 The final rule on olestra requires the addition of
19 four vitamins, A, D, E and K, to compensate for olestra's
20 vitamin absorptionability. These vitamins have to be
21 declared on the label because of the statutory requirement
22 to list all ingredients.

23 FDA concluded that consumers might interpret the
24 listing of these vitamins in the ingredient statement as
25 evidence that the snacks had been fortified for nutrition

1 benefit. Therefore, we decided that the label for olestra-
2 containing products should disclose the reason that the
3 vitamins had been added to the snack food.

4 Thus, you have the two-part label statement that
5 is required on olestra, one that addresses the GI effects
6 and the other that addresses the reason for the addition of
7 the vitamins.

8 Now, this material fact standard in the law is
9 widely usable and it is flexible, but there are limits. FDA
10 cannot require a label statement unless the need for it
11 meets the statutory criteria of, as I said before, being
12 necessary to clarify existing label statements or necessary
13 because of consequences that may result from the customary
14 or usual use of the food.

15 As you consider new data and information on
16 olestra, please keep in mind this standard of material fact
17 that we have to use in deciding what specific labeling
18 belongs on the specific foods.

19 That's my presentation.

20 DR. BRANDT: Any other comments from the FDA about
21 this issue?

22 **Questions**

23 DR. BRANDT: Does anybody on the committee have a
24 question about the labeling issue?

25 DR. APPLEBAUM: Ms. Campbell, I have a question,

1 if you could just provide a little more clarification, it
2 would be helpful. When you were referring to consequences,
3 facts material to the food as it relates to consequences,
4 you mentioned once, but you didn't mention it again,
5 associated with customary and usual use.

6 Can you just clarify that a little bit more as it
7 relates to customary and usual use?

8 MS. CAMPBELL: In what respect? The statute says
9 customary or usual use.

10 DR. APPLEBAUM: Okay. So does that mean that the
11 statute does not consider the hypothetical?

12 MS. CAMPBELL: We did with the protein products
13 that we talked about, the very low-calorie protein products.
14 We labeled that product with respect to a misuse of the
15 product. It was not the labeled use but it had become a
16 common use insofar as it had begun to occur. We had
17 documentation. We had adverse impacts from that.

18 I am not aware that we have dealt with a
19 hypothetical under material fact.

20 DR. APPLEBAUM: But in regard to the protein
21 issue, you had data to support the requirement as it
22 relates--

23 MS. CAMPBELL: We had data to support that there
24 was adverse effect from this particular use even though it
25 was not a labeled use.

1 DR. APPLEBAUM: But you had evidence in terms of
2 the potential for--or actual data that this product could be
3 abused and, therefore--

4 MS. CAMPBELL: We did. We had data.

5 DR. LAMM: Am I correct in hearing that the
6 question before us relates only to the factual information
7 in the label and that issues of placement of the label, and
8 so on, are not before us?

9 MS. CAMPBELL: Yes. The question we are asking
10 you has to do with the nature of the information that should
11 be on the label based on the scientific information you have
12 been asked to evaluate.

13 DR. POTTER: Do you consider a 90th percentile
14 user to be using the product in the usual and customary
15 manner?

16 MS. CAMPBELL: I don't know the answer to that. I
17 know how we use 90th percentile users in safety
18 determinations. This is not, however, a safety
19 determination.

20 DR. FENNELMA: That was the essence of my question.
21 I was going to ask about the 99th percentile. Where does
22 "usual and customary" end in this framework is the same
23 question, I guess, that is being asked.

24 MS. CAMPBELL: I am not sure that we have enough
25 experience with making decisions based on that factor in the

1 material fact decisions to be able to say that we have a
2 general pattern. We have made these decisions on a case-by-
3 case basis and there have been few enough of them that I
4 don't think we have established a general pattern and not
5 often enough has there been a question about the maximum
6 user.

7 DR. JACOBSON: I have three points.

8 DR. BRANDT: Wait a second. You are going to get
9 a time a little bit later so let's not make them now. This
10 is purely for information to the committee about the law,
11 about the FDA's requirements. That is all we are talking
12 about.

13 DR. JACOBSON: That's right. I wanted to address
14 three things regarding that.

15 DR. BRANDT: Okay.

16 DR. JACOBSON: One is that Betty Campbell was
17 asked whether the FDA is asking for information solely on
18 the wording of the label. The charge doesn't say that. It
19 says, "Should the label be changed in any way?" The label
20 is now specified with a box around it with a certain type
21 size with a position. It is required to be printed on
22 either the front of the package or any other side of the
23 package.

24 I think it is appropriate that those various
25 matters be included in the discussion.

1 The other two points that Betty Campbell didn't
2 note were two other aspects of olestra labeling that the FDA
3 specified in the Federal Register notice. First, the FDA
4 said that this indigestible fat should not be considered a
5 fat in the nutrition label. So it says, "zero fat."

6 Second thing is that, in terms of front label
7 claims, products containing this indigestible fat can be
8 labeled "fat free" or "low fat," as the case may be. I am
9 going into that a little myself, but those are other aspects
10 of the olestra regulation.

11 DR. BRANDT: You will have an opportunity. I have
12 time for you. That's fine. Thank you very much. We
13 appreciate your being with us this morning.

14 MR. LEVITT: I would like to just respond to Dr.
15 Jacobson's question there. I think the honest answer, in
16 terms of when we framed the question, we were thinking in
17 terms of the wording used. However, in sitting and thinking
18 about it, we certainly would welcome any additional comments
19 the committee has on things like box warning, placement of
20 label, that kind of thing.

21 That wasn't our initial focus but, while you are
22 here, if you have comments on that, that is certainly
23 germane.

24 DR. JACOBSON: Thank you.

25 DR. BRANDT: Dr. Rulis, do you have anything to

1 say? No? Okay.

2 DR. TREIBWASSER: Question. Would the FDA or the
3 committee be willing to define the boundaries relevant to
4 Dr. Jacobson's subsequent comment about the other aspects of
5 the overall olestra petition. It is not our understanding
6 that aspects of the labeling of the product outside of the
7 specific information label are going to be the subject of
8 this discussion this morning and I would like some
9 clarification of that.

10 MR. LEVITT: I'm sorry. Maybe I wasn't listening
11 carefully enough. The point I was trying to address was the
12 label statement as Dr. Brandt described it, the two or three
13 sentences that are in there. Again, if you want to discuss
14 the box around it, placement of the label, of that
15 statement, then that is what we are here to discuss.

16 DR. TREIBWASSER: What about the "fat free" claim?

17 DR. BRANDT: We are not going to be discussing
18 that. That is not the issue that is before us today.

19 DR. TREIBWASSER: Thank you.

20 DR. BRANDT: This committee has never been shy
21 about offering its advice to the FDA irrespective of whether
22 it has been asked for it. So all of you can feel free. The
23 FDA has the option of ignoring anything you say because you
24 are a hired gun brought in here to give them advice. So
25 that is not an issue.

1 The issue of whether or not is fat-free, low-fat
2 or somewhere in between is not an issue that we are
3 concerned with today but if you want to say something about
4 it, you are free to do that, as if I could stop you anyway.

5 So that is where we are. We will now turn to--Dr.
6 Treibwasser, is it okay for me to combine P&G and Frito-Lay
7 together or do you want to keep them separate.

8 DR. TREIBWASSER: I would prefer you give Frito-
9 Lay their separate ten minutes.

10 DR. BRANDT: Thank you very much. We will do
11 that. I don't know who is in charge at Proctor and Gamble,
12 so you now have 45 minutes to make your presentation with
13 respect to the label. Please begin.

14 **Proctor and Gamble Presentation**

15 DR. ALLGOOD: Thank you, Dr. Brandt.

16 [Slide.]

17 I am Greg Allgood from Proctor and Gamble. Thank
18 you for the opportunity to present our information on the
19 interim label.

20 [Slide.]

21 Here is the interim label. It reads, "This
22 product contains olestra. Olestra may cause abdominal
23 cramping and loose stools. Olestra inhibits the absorption
24 of some vitamins and other nutrients. Vitamins A, D, E and
25 K have been added." This is now on very bag of olestra

1 snacks.

2 At the time of olestra's approval, FDA asked for
3 additional comment and information on the label.
4 Specifically, the FDA requested comments on the need for the
5 label, the adequacy of its content, the word choice and its
6 configuration. They said that they would revisit this
7 interim label once this additional data and comments had
8 been received.

9 Proctor and Gamble agreed to conduct additional
10 research to address these issues. We have conducted the
11 research and we have submitted it to the agency and today we
12 will include these results in our presentation.

13 [Slide.]

14 Here is an outline of our presentation. After
15 briefly going over FDA's requirement for labels, we will
16 address these three specific questions. Is the interim
17 label consistent with the new clinical data which we have
18 looked at over the last couple of days? Is the interim
19 label consistent with previous labeling precedents? And is
20 the interim label understood by consumers? Here is where we
21 will show you some new data about consumer research.

22 I will address these first two questions and then
23 I will turn it over to Lisa Papa from Proctor and Gamble who
24 will address the last question.

25 Let's briefly look at FDA's requirement for

1 requiring labels. This is just a brief summary of what we
2 heard from Ms. Campbell. She said, "Labels, in order to not
3 be misleading, must reveal material facts, and these should
4 be with respect to the customary or usual conditions of
5 consumption."

6 This makes a lot of sense because almost any
7 product could cause symptoms under exaggerated consumption
8 conditions. For example, if you eat too much fruit, you may
9 get digestive effects but that doesn't mean that fruit needs
10 a label for digestive effects.

11 [Slide.]

12 Now, at the time of olestra's approval, FDA based
13 the requirement for the interim label on the 56-day
14 nutrition studies, those studies which we are not allowed to
15 talk about this week but we have. Those studies were
16 conducted with mandatory consumption of olestra at every
17 single meal for 168 consecutive meals.

18 What hasn't been mentioned here, olestra is used
19 to prepare a variety of foods in this study. It wasn't just
20 salted snacks, because they had to eat them at breakfast,
21 lunch and dinner. What these studies were designed to
22 determine was the potential for olestra to cause digestive
23 or nutritional effects under these exaggerated conditions,
24 and the studies showed that olestra is safe, even under
25 these conditions.

1 Now, these studies were never intended to provide
2 an understanding of olestra's potential to cause digestive
3 effects under typical snacking conditions or, to use FDA's
4 standard for labels, these studies were not conducted under
5 the customary or usual conditions of consumption.

6 So that was the situation at the time of approval.
7 FDA had studies which showed that olestra could cause
8 digestive effects under exaggerated conditions and FDA did
9 not have substantial data with olestra consumed in salty
10 snacks. They said that they would revisit the label once
11 this additional data had been received. We are now at that
12 point today because a substantial amount of research has
13 been conducted with olestra used in salty snacks.

14 [Slide.]

15 We will look at that research and see if the
16 interim label is consistent with this new data.

17 [Slide.]

18 These are the three studies that we have talked
19 about over the last couple of days. We will go back to
20 these studies very briefly and look at the design and the
21 key results. Overall, these studies showed that when people
22 eat olestra snacks compared to full-fat snacks, there is no
23 meaningful effects on digestion.

24 [Slide.]

25 Let's look at the acute consumption. This was a

1 study conducted by Dr. Lawrence Cheskin of Johns Hopkins
2 University. This was the study where people could eat as
3 much as they wanted of the large bag of potato chips while
4 they were watching a movie. This study showed that when
5 people ate olestra chips compared to full-fat chips, there
6 was no difference in the nature of digestive effects, the
7 severity of the effects or the frequency of effects.

8 [Slide.]

9 The results are shown here. This slide, I would
10 remind you, is the percent of subjects reporting symptoms.
11 Placebo is shown in white, olestra in green and then the
12 specific symptoms on the X axis. There was no difference in
13 any GI symptom and, importantly for our discussion now,
14 there was no difference in the symptoms of either loose
15 stool or abdominal cramping, the two symptoms listed on the
16 label.

17 Now, as Dr. Cheskin mentioned yesterday in the
18 public comment period, there was a numerical lower level of
19 effects for any GI on the olestra group--not statistical,
20 but lower. So, based on this, we could look at the power of
21 this study based on the actual data.

22 What this showed is that, based on the confidence
23 intervals, there was a 1 in 1000 chance of missing a
24 difference that was larger than 5 percent. So this study
25 was very powerful to see if olestra causes any digestive

1 effects at a single sitting.

2 [Slide.]

3 The next study that provided critical data was an
4 upside-down slide of the rechallange study. This study was
5 designed to determine if people who called the 800 line
6 usually after eating the snacks one time and eating an ounce
7 or two of snacks were somehow intolerant to olestra.

8 This study retested 98 of these people and found
9 that they were not intolerant to eating olestra and it was
10 likely that we were measuring the background rate of
11 digestive effects in the population.

12 [Slide.]

13 Look at the specific results. The study showed
14 that there was no difference in any GI symptom and no
15 difference in loose stool or abdominal cramping. So this
16 study showed that people who were calling the 800 line were
17 not intolerant to eating olestra snacks

18 [Slide.]

19 Now, the last study which we will discuss this
20 morning is the six-week consumption study. This study we
21 have spent considerable time discussing because it is a very
22 powerful study. It had 33,000 eating days of people eating
23 olestra snacks. This study was conducted by Dr. Robert
24 Sandler of the University of North Carolina at Chapel Hill.

25 Households were provided with eight bags of free

1 product every week to encourage consumption and the study
2 showed, and FDA agreed, that the study resulted in no
3 meaningful effects on digestion.

4 [Slide.]

5 Let's look at the study again. We will begin by
6 looking at consumption compared to what we looked at
7 yesterday from the active surveillance program. You have
8 not seen this comparison before.

9 [Slide.]

10 We are looking at the 90th percentile from the
11 real-world intake, what people were eating in the active
12 surveillance program compared to what was estimated prior to
13 approval and the compared to the six-week study. This is
14 the 90th percentile and the active surveillance program
15 showed that people are eating at the 90th percentile about
16 2 grams per day.

17 This is among people who were actually eating the
18 product and that was only about 15 percent of the people in
19 the month of the survey. It does not include the people who
20 were not eating it or would dilute it further. The MRCA,
21 which is sort of the gold standard for estimating intake
22 prior to approval showed a 90th percentile of 8 grams per
23 day.

24 It is higher. That is because this is a
25 conservative assumption which assumes that only olestra

1 snacks will be available, essentially that we would have
2 100 percent market share. That may be true for some people.
3 They may only choose olestra snacks so that is why we made
4 that assumption.

5 And then we see that the six-week study was
6 successful when we provided people eight large bags or cans
7 of a product a week, it did encourage them to eat a lot of
8 product. That was about six times what we saw in the real
9 world.

10 [Slide.]

11 What symptoms did we see when people had this much
12 to eat? This is percent of subjects, again, and there was
13 no difference in any GI, no difference in loose stool and no
14 difference in abdominal cramping.

15 There are a number of other ways to look at this
16 data. Let me show you some of those.

17 [Slide.]

18 This is symptom days and it is for all subjects.
19 You will recall that we showed a statistically significant
20 increase in more frequent bowel movements. The difference
21 was about one symptom day over the 42 days of the study and
22 it had no significant impact.

23 The difference in more frequent bowel movements
24 also resulted in an increase in any GI event, again of about
25 one symptom day over the course of the study.

1 [Slide.]

2 FDA showed a different way of looking at this data
3 and we discussed that some yesterday, our duelling
4 statisticians.

5 [Slide.]

6 What they showed, just for reference, to take you
7 back to that, this was at the median consumption, which was
8 27 ounces. They showed an increase not only in more
9 frequent bowel movements but also in loose stools and, at
10 the median level of consumption, this was about a quarter of
11 a symptom day over the 42 days of the study.

12 For perspective, a quarter of a symptom day is two
13 extra symptom days over one year. Clearly, this is not a
14 very large effect. But what is really important is what
15 is the impact of this symptom.

16 [Slide.]

17 We looked at this by a number of different
18 measures. One was through the direct questionnaire and we
19 show that there was no difference in the way people rated
20 their symptoms as far as their impact on their daily lives.
21 We also looked at some objective measures. We kept track of
22 the medication use and there was no difference including use
23 of anti-diarrheals.

24 We also looked at doctor visits and drops from the
25 study and there was no difference. Finally, perhaps, the

1 most subtle way to look at this, we looked at whether people
2 continued to eat the product because that is really a neat
3 way to look at this.

4 Let me show you the slide again.

5 [Slide.]

6 This shows people who did not report symptoms
7 compared to people who did report symptoms and how much they
8 ate both by the total amount eaten in the study as well as
9 the number of eating days. You can see, both at the median
10 and at the 90th percentile, that there are no meaningful
11 differences.

12 When people have symptoms, they continue to eat
13 the product. One of the simplest things that people could
14 have done in this study, if they were concerned about their
15 effects, was simply not eat the product. And we didn't see
16 evidence of that.

17 [Slide.]

18 So, in summary, these three studies which were
19 specifically designed to understand what happens when people
20 eat olestra snacks, showed that olestra does not have
21 meaningful effects on digestive effects. And importantly,
22 for our label discussion, all three of these studies showed
23 no increase in abdominal cramping. And FDA agreed with that
24 assessment.

25 [Slide.]

1 In conclusion, the interim label is not consistent
2 with these new clinical data which were designed to
3 determine what happens when people eat snacks.

4 [Slide.]

5 Now, let's look at the next question. Is the
6 interim label consistent with labeling precedence. Here, we
7 will look at three examples of foods for which FDA has made
8 a decision regarding information labels for digestive
9 effects.

10 We will look at sorbitol, psyllium and bran fiber.
11 You will recall that we used sorbitol as a positive control
12 in the stool composition study which we discussed on Monday.
13 We will go back to that study to compare olestra and
14 sorbitol.

15 Then we will look at psyllium. Recently, FDA has
16 made a decision regarding the need for a label regarding
17 digestive effects for psyllium food. We will look at that
18 logic and compare it to olestra.

19 Finally, we will look at bran fiber. Bran fiber,
20 as you know, is a laxative and does not require an
21 information label for digestive effects. So we will compare
22 bran fiber and olestra.

23 [Slide.]

24 Sorbitol is our first example. First, let me make
25 it clear that sorbitol is one example of the poorly absorbed

1 sugar alcohols which all require similar information labels
2 regarding digestive effects. In addition to sorbitol, there
3 is a mannitol and xylitol. And polydextrose also requires a
4 similar information label regarding digestive effects.

5 These foods only required the information label
6 regarding digestive effects if expected consumption reaches
7 a certain level. There is a threshold. For sorbitol, this
8 label is 50 grams and that level was based on a clinical
9 study where 50 percent of the people reported diarrhea-like
10 symptoms after a single eating occasion.

11 [Slide.]

12 Now let's look at the digestive effects which
13 occur after eating sorbitol foods compared to olestra.
14 This, again, is from the stool composition study. We will
15 look at two critical parameters measuring diarrhea; total
16 stool output and stool water output. And we will look at
17 the average change from baseline.

18 Our assessment was that olestra did not cause
19 meaningful changes in these parameters and FDA agreed with
20 that assessment, as you heard the other day. Sorbitol
21 resulted in quite large increases in both total stool output
22 and stool water output. And, I would like to remind you
23 that the dose of sorbitol that we used in this study was
24 below the level which has a label.

25 [Slide.]

1 Now let's look at our next example, and that is
2 psyllium. This is a really neat example because FDA, in
3 February of this year, approved a health claim for psyllium
4 foods. Psyllium is used in the bulk laxative metamucil and
5 it is also used in foods, like breakfast cereals. It was in
6 relation to psyllium's use in foods that FDA approved a
7 health claim.

8 This was because of psyllium's ability to lower
9 serum cholesterol and, thereby, lower the risk of heart
10 disease when it is used as part of a diet low in cholesterol
11 and saturated fat.

12 Importantly for our discussion, in February, when
13 FDA made this rule, they made the decision regarding whether
14 psyllium foods needed an information label. They decided
15 that it did not. And they have laid out their logic for
16 that decision.

17 What we will do is look at that logic and then
18 compare it to olestra

19 [Slide.]

20 The FDA said that psyllium foods did not need an
21 information label because psyllium does not cause diarrhea.
22 It does not cause meaningful water loss. In fact, the FDA
23 said there is no reason to expect that eating psyllium foods
24 would cause any effect on the bowel than to promote normal
25 bowel function by stool softening, increasing stool volume

1 or increasing bowel movements.

2 And they said that if there were any consumers who
3 were intolerant, they could avoid future eatings because
4 psyllium is identified in the ingredient list which is part
5 of the nutrition label. In other words, to say this product
6 contains psyllium would be redundant.

7 This provides an excellent, very recent, precedent
8 for olestra so let's compare the digestive effects which
9 occur after eating psyllium to olestra.

10 [Slide.]

11 Neither olestra or psyllium will cause diarrhea,
12 and the stool composition study established that for
13 olestra. Both olestra and psyllium will increase stool
14 volume. Now, olestra will do this by its simple presence.
15 It is not absorbed so, about, for every gram you eat, there
16 will be an extra gram in the stool.

17 Psyllium will increase stool volume both by its
18 presence and because of its water-holding capacity. When
19 psyllium becomes hydrated, it forms a gel-like matrix in the
20 bowel so it will increase stool volume by about 4 grams for
21 every gram that it eaten.

22 You can see that the digestive effects which occur
23 after eating olestra foods and psyllium foods are similar
24 although psyllium's effects will be a bit more pronounced.
25 And yet we see that psyllium does not require an information

1 label.

2 [Slide.]

3 Our last example is bran fiber. Bran fiber does
4 not require an information label regarding digestive effects
5 even though one of the reasons people presumably buy bran-
6 fiber products like bran cereal is for their beneficial
7 laxative effects. Now, like psyllium, bran will cause a
8 more pronounced stool-bulking effect than olestra. It is
9 about five times greater effect.

10 Let me now go back and compare our three examples
11 of sorbitol, psyllium and bran fiber directly to olestra in
12 a summary slide.

13 [Slide.]

14 For the purposes of this slide, I have combined
15 bran fiber and psyllium as dietary fiber since their effects
16 will roughly be the same. All three--olestra, fiber and
17 sorbitol--will increase stool output. Olestra will do this
18 by its presence, so about 1 gram for every gram that is
19 eaten.

20 Dietary fiber, like psyllium and bran fiber and
21 also fruits and vegetables, will increase stool bulk by
22 about five grams for every gram that is eaten. Sorbitol
23 will cause a more pronounced effect because of its osmotic
24 effect so about 9 grams for every gram that is eaten.

25 Olestra will not cause meaningful increases in

1 stool water while both psyllium and sorbitol will, although
2 sorbitol's effects will be more pronounced. Only sorbitol,
3 because of this, will cause diarrhea as defined by
4 significant water or electrolyte loss of a lot of those
5 other objective parameters that we measured.

6 Despite this comparison, we see that the olestra
7 product is the one that has the information label.

8 [Slide.]

9 In summary, the interim label is not consistent
10 with labeling precedents. This can result in some consumer
11 confusion. Now, that leads us into the next part of our
12 talk and I will turn the podium over to Lisa Papa from
13 Proctor and Gamble. Lisa is the person who is responsible
14 for conducting the consumer research to see if the interim
15 label is understood by consumers.

16 Lisa?

17 MS. PAPA: Thank you, Dr. Allgood. Good morning
18 and thank you for the opportunity to present our consumer
19 research on the interim label.

20 [Slide.]

21 I will be addressing the third question in our
22 series, is the interim label understood by consumers.

23 [Slide.]

24 Now, at the time of olestra's approval, Proctor
25 and Gamble proposed and committed to conduct consumer

1 research on the interim information label.

2 We surveyed over 2,000 adults and teens in over 40
3 cities across the U.S. using nationally representative
4 survey methods. We asked consumers to read the interim
5 information label and then respond to a series of questions.
6 Let's look at the general reaction from consumers.

7 [Slide.]

8 As you can see here, after reading the interim
9 label, 61 percent believed that the snacks are unsafe. The
10 same percentage, after reading the label, believed that the
11 government is telling them that the product is unsafe. And
12 a majority believe that this is a warning label and not just
13 for information.

14 [Slide.]

15 As you can see here, consumer's interpretation is
16 not consistent with FDA's conclusion. In the Federal
17 Register, it states that, "FDA concludes that all safety
18 issues have been addressed adequately and that the use of
19 olestra in savory snacks will be safe.

20 [Slide.]

21 Now we will turn to the GI portion of the interim
22 label. What I have shown you here is the consumer
23 interpretation of the interim label and I am comparing that
24 to the results of the new clinical studies that were
25 specifically designed to look at olestra in savory snacks

1 under the customary and usual conditions.

2 50 percent of consumers believe that they,
3 personally, would experience abdominal cramping after
4 consuming olestra products. This is not consistent with the
5 results that we saw in the clinical studies. We saw no
6 increase in abdominal cramping.

7 [Slide.]

8 44 percent of consumers believed they would
9 experience--again, this is after reading the interim label--
10 they, personally, would experience moderate or severe
11 symptoms. Again, we did not see an increase, and this is
12 not consistent with the clinical findings. As you can see,
13 the label is misleading to consumers.

14 [Slide.]

15 Now let's look at how it is possible that
16 consumers could misattribute symptoms to olestra that are
17 very unlikely to be due to the olestra. To make this point,
18 I have gone back to our 800-line callers where we saw a
19 majority of people are calling us reporting abdominal
20 cramping.

21 If you remember from Monday, those calls were
22 generally after someone had eaten one or two servings in a
23 single sitting, so a very typical snacking amount. It is
24 not consistent with what we have seen in the clinical
25 studies that, again, were designed to understand what would

1 happen in a snacking condition.

2 We saw in these clinical studies that olestra
3 snacking, there was no increase in abdominal cramping. But
4 it is easy to understand how there is lots of consumer
5 confusion based on the interim label.

6 [Slide.]

7 To take it ever further, I have shown you here one
8 example where a consumer's interpretation goes well beyond
9 the words that are just written on the label. After reading
10 the labeling, one out of four consumers said they would
11 attribute any blood stools they might experience to the
12 olestra snacks.

13 Now, this is concerning because this
14 interpretation by consumers may lead to delayed treatment.
15 This is something that olestra does not cause so, clearly,
16 this is incorrect. And we do not believe this is what FDA
17 intended with the label.

18 [Slide.]

19 We also wanted to understand why consumers'
20 interpretation would go so much farther beyond the actual
21 words on the label. When we interviewed consumers, we asked
22 them about labels in general and they told us that the way
23 they evaluate labels is generally based on context or their
24 frame of reference.

25 For olestra specifically, their frame of reference

1 is other foods. Now, consumers know that there are other
2 foods that cause GI symptoms and those products do not have
3 a label. So the interpretation is that olestra must be
4 worse.

5 Consumers also say things like if this is like my
6 other experiences, then why does it have this label. We
7 also note that consumers' interpretation is influenced by
8 the way the label has been portrayed in the media.

9 [Slide.]

10 Let's watch a short video clip.

11 [Video clip.]

12 As you can see, the media has essentially done a
13 good job of reflecting consumers' interpretation of the
14 label but, obviously, this was not what FDA intended.

15 Now, I am going to shift gears and move into the
16 vitamin portion of the interim label.

17 [Slide.]

18 Specifically, these last two sentences; "Olestra
19 inhibits the absorption of some vitamins and other
20 nutrients, vitamins A, D, E and K have been added." What
21 are these sentences supposed to convey.

22 [Slide.]

23 The FDA again stated their intent in the Federal
24 Register. The agency believes the consumers who see the
25 added vitamins listed on the ingredient listing could be

1 misled and believe that the food is fortified with the
2 vitamins. Let me briefly explain this again. Because we
3 add any vitamins to the product to prevent any reduction,
4 those vitamins must be in the ingredient listing and part of
5 the nutrition label.

6 Because they are on the ingredient listing, some
7 consumers might be confused that these snacks, these olestra
8 snacks, are a good source of vitamins. So one of the
9 intended purposes that the FDA had was to prevent this
10 potential consumer misunderstanding

11 Let's see if this was clear to consumers.

12 [Slide.]

13 Our research shows that 43 percent believe that
14 they would experience a change in their fat-soluble
15 vitamins. Another 39 percent believe that other nutrients
16 that olestra does not affect, things like calcium, folate,
17 vitamin C, iron, potassium, et cetera, things that olestra
18 does not affect, would be affected.

19 So, clearly, this is incorrect and this is
20 obviously not FDA's intent.

21 [Slide.]

22 There is a potential solution to this conundrum of
23 consumers thinking that the products would be a good source
24 of vitamins. I have shown it here. Specifically what you
25 see is an ingredient statement for olestra potato chips.

1 Each of the fat-soluble vitamins has an asterisk indicating
2 that it is not a nutritionally significant source.

3 Now, the nice thing about this type of labeling is
4 that it is actually consistent with NLEA or the Nutrition
5 Labeling Education Act. So it already complies with that
6 and it is something that consumers are used to seeing. This
7 is something that is used, for example, to indicate the fat
8 ingredients on fat-modified foods, things like skim milk.

9 So, again, consumers have seen this. It is
10 something that they are familiar with.

11 [Slide.]

12 Our research shows that the interim label is not
13 understood because it leads consumers to view the label as a
14 warning label, to view the product as unsafe, to
15 misattribute symptoms to the product, to expect depletion in
16 vitamins and minerals and to speculate about the meaning of
17 other nutrients.

18 [Slide.]

19 Net: the interim label is not understood by
20 consumers. Recall, at the time of approval, given the data
21 that FDA had in hand, it was a reasonable decision for them
22 ask for additional data looking at olestra in salty snacks
23 under the customary and usual conditions. We have gone out.
24 We have collected that data, run rigorous studies and looked
25 at consumers' interpretation of the label as well.

1 [Slide.]

2 And we have found that the interim label is not
3 consistent with the new clinical data. Specifically, all
4 three studies designed to look at olestra under savory
5 snacking conditions showed no meaningful impact on
6 consumers' daily lives and no effect on abdominal cramping.

7 The interim label is not consistent with labeling
8 precedence and it is clear that this compounds consumers'
9 confusion around the olestra label. The interim label is
10 not understood by consumers. We have completed the consumer
11 research that we committed to conduct at the time of
12 olestra's approval and that research shows that interim
13 label is misleading to consumers.

14 [Slide.]

15 In summary, this new information and data provide
16 a sound basis for FDA to reevaluate the interim label.

17 Thank you.

18 DR. TREIBWASSER: That completes our presentation.

19 **Questions**

20 DR. BRANDT: This is open for the committee.

21 Questions?

22 DR. HARLANDER: I am wondering if you have tested
23 the vitamin statement with consumers with the asterisk and
24 not a significant source. And my second question is would
25 you be willing to provide a copy of the questionnaire that

1 was used in your consumer testing.

2 MS. PAPA: Let me answer both of those. The first
3 one, have we tested the asterisk, we actually tested a label
4 that had that as part of it and also had that as part of it
5 and also had some other GI wording. So we have not tested
6 that in a single variable way.

7 On the questionnaire, we would be happy to share
8 that.

9 DR. BRANDT: Do you have a copy of it here that
10 you can give to Dr. Harlander?

11 MS. PAPA: Yes; be happy to.

12 DR. BRANDT: Thank you. Other questions?

13 DR. CLANCY: I wanted to ask, Dr. Allgood, if you
14 could separate out from that one slide that you had; you
15 combined moderate and severe, and those are so different
16 that I think that is incorrect to combine them. Could you
17 give me the numbers for moderate and severe separately--

18 DR. ALLGOOD: From?

19 DR. CLANCY: From the research of consumers about
20 expecting what their symptoms might be from reading the
21 label?

22 DR. ALLGOOD: That was actually from the consumer
23 research.

24 DR. CLANCY: Fine. Would you break that down,
25 please?

1 MS. PAPA: Yes; I will break that out for you. It
2 will just take me a minute.

3 DR. BRANDT: Let's go on while you are looking for
4 that.

5 MS. RICHARDSON: A lot of the testimony that we
6 have read and heard from consumers indicates that they had
7 not read the label before they ate the olestra chips, that
8 they read the label afterwards. I was wondering, in the
9 questions that went to the callers, the 70 percent of the
10 callers who indicated that they had abdominal cramping since
11 the inference is that it was because of autosuggestion, were
12 they asked had they read the label before they ate the
13 chips?

14 DR. ALLGOOD: It is not part of what we ask as
15 part of our questionnaire when people call us so we don't
16 know the answer to that.

17 MS. RICHARDSON: So you are just assuming that
18 they were suggested to have abdominal cramping because they
19 read the label beforehand.

20 DR. TREIBWASSER: It is probably more likely that
21 the suggestion of abdominal cramping came via all the media
22 coverage but it is also confounded by the fact that the
23 label also states that.

24 DR. BRANDT: Did you find the data, Ms. Papa?

25 MS. PAPA: Yes. When we asked consumers how

1 severe do you think these symptoms would be, 37 percent
2 reported moderate and 7 percent reported severe.

3 DR. CLANCY: Thank you.

4 DR. BRANDT: Does that answer it, Dr. Clancy:

5 DR. CLANCY: Yes.

6 DR. CLYDESDALE: You just mentioned a few minutes
7 ago that you had some other wording for the GI symptoms.
8 Could you share that with us, or not?

9 MS. PAPA: Yes. Actually, we have looked at
10 several different wordings. In fact, in the research that
11 we did in early 1996 and submitted during the comment period
12 to the FDA, I think there were three other labels,
13 alternative labels, that were looked at.

14 The key conclusion from that, though, was that
15 each of those--there was no significant difference. So each
16 of those labels was also misleading to consumers. And now
17 that we have this new clinical data and, again, looking back
18 in hindsight, we can see that, for example, abdominal
19 cramping is not consistent with the clinical facts and that
20 is different than what was tested previously.

21 DR. BRANDT: Any other questions?

22 DR. BYERS: It seems to be pretty clear from your
23 presentation what your recommendations would be and that
24 would be that there would be no label indicating GI effects
25 and that you would just simply use this asterisk approach

1 for the vitamin-restored vitamins; is that correct?

2 DR. ALLGOOD: Our position is that it is FDA's
3 decision on the label but we want to work with them to help
4 them fix the label. Clearly, we think the label needs to be
5 fixed.

6 DR. BYERS: I understand that. I was asking your
7 opinion as to how that should be done. Do you have a
8 recommendation?

9 DR. ALLGOOD: No.

10 DR. BYERS: Then there is one aspect of what you
11 have presented in terms of consumer confusion for which you
12 at least implied no cure. That is, you said that consumers
13 were confused about what nutrients might mean. Do you have
14 a suggestion to consider with regard to that?

15 MS. PAPA: No; we do not.

16 DR. HARLANDER: Is it fair to ask FDA a question
17 at this point? Can we ask FDA a question right now?

18 DR. BRANDT: Yes.

19 DR. HARLANDER: Can I ask anybody if there is any
20 precedence for a label that would say digestive effects with
21 exaggerated usage?

22 DR. BRANDT: FDA want to take that one? Somebody?
23 Anybody? They are now having a sideline conference. It is
24 like the quarterback calling time and the running-to-the-
25 coach issue.

1 DR. CHASSY: I guess this is for Dr. Allgood. You
2 made a comparison between the labeling of olestra and the
3 labeling of two fiber products that people might take as
4 laxatives or which would have a known laxative effect. It
5 seems to me that that comparison is only valid if people
6 expect the effect or if there are not digestive effects of
7 significance for a 90th percentile user of olestra.

8 How would you come down on that? Are you arguing
9 that the 90th percentile user will not experience laxative-
10 like effects? You follow that when they take fiber
11 products, they expect a certain effect, that they may be
12 taking them for that reason.

13 So I am getting at what is customary and expected.

14 DR. ALLGOOD: For the bran-fiber products and the
15 psyllium bulk laxative, I would agree with that. They are
16 clearly taken for laxative benefit. Our clinical studies
17 have shown that at the 90th percentile of consumption, and
18 particularly what is going to happen in the real world, that
19 people are not experiencing particularly abdominal cramping
20 but no meaningful changes in digestive symptoms.

21 For psyllium foods, however, I would not say that
22 that is necessarily the same case. When psyllium foods'
23 approval came, that would certainly encourage the
24 manufacturer of lots of different foods which are made with
25 psyllium for that health claim.

1 FDA took that into full consideration when they
2 gave the health claim approval and made the decision that
3 the information label is not needed. But what is most
4 important, I think, is that consumers in their comparison of
5 different products are confused because they look at the
6 olestra interim label and see that, in their minds, it is
7 worse than what other products contain, which they know to
8 cause digestive effects.

9 DR. BRANDT: FDA, do you have a response to Dr.
10 Harlander?

11 MS. CAMPBELL: Yes. I am Betty Campbell. Your
12 question had to do with whether or other label statements
13 take into account high use of a product with respect to its
14 effects or its consequences. Off the top of our heads, I
15 don't think we have direct language on the label that says
16 if you use a lot of this product, there may be consequences.

17 However, the label statements with respect to the
18 sugar alcohols are triggered a higher use level. At that
19 lower use level, there is no statement. So the concept of
20 higher use needing a label statement is inherent in the
21 decisions we made for the labeling of the sugar alcohols.

22 DR. BRANDT: Happy with that?

23 DR. HARLANDER: Yes.

24 DR. APPLEBAUM: I just want the clarification. If
25 you have a serving of mints that contain sorbitol and it

1 doesn't hit the 50-gram level, it doesn't have to carry the
2 warning? I can't remember from the regulations.

3 MS. CAMPBELL: I think, if I remember correctly,
4 that it is a daily intake of 50 grams. So it would depend.
5 If it is a single-serving-a-day type of food, then it would
6 take the full amount in one serving. But if it is a
7 multiple-serving-a-day type of food, then a lower amount
8 than the 50 grams per serving would trigger the label
9 statement. I believe it is on 50 grams a day.

10 DR. ALLGOOD: For example, when we went and bought
11 the Smarties for the sorbitol still water study, the
12 Smarties that we bought did not have an information labeling
13 on it.

14 DR. APPLEBAUM: I have one more question because I
15 am looking at the label statement is currently required. I
16 am focussing on vitamin K, based on what we heard yesterday
17 from the Fred Hutchinson group--and I know it is still
18 rather early on in the study, but in hearing today from FDA
19 in regards to what constitutes material fact and misleading
20 information, where it has olestra inhibits the absorption of
21 some vitamins and other nutrients, vitamins A, D, E and K
22 have been added.

23 Looking at that, K is added because there is the
24 potential for olestra to impact its absorption. But yet,
25 yesterday, we heard that, with increasing olestra, you do

1 have increasing levels of vitamin K. So I just want to get
2 some clarification in terms of these two sentences, in terms
3 of whether or not, with K included, that constitutes a
4 misleading statement.

5 Could we get, perhaps, P&G's point of view as well
6 as FDA's point of view?

7 DR. TREIBWASSER: I am not quite sure I understand
8 your question.

9 DR. APPLEBAUM: My question is, yesterday we
10 heard, from the data that were presented, that olestra did
11 not impact, or there were increases, if you will--there was
12 a positive relationship between olestra intake and vitamin
13 K, serum vitamin K levels.

14 Reading these two statements, at least I am led to
15 believe that there is an impact on vitamin K absorption so,
16 therefore, that is why it is added. Based on yesterday's
17 information, in terms of there not being any impact on
18 absorption per se--in fact, it is a positive. It could be a
19 positive.

20 Again, it is preliminary or early data, let me
21 call it that. This appears to be misleading. I just want
22 to hear your views on that as well as FDA's, based on the
23 data that was presented yesterday from Fred Hutchinson.

24 DR. TREIBWASSER: Two points. First of all, I
25 think the data from the Fred Hutchinson are very

1 preliminary. I think we have to be very careful that we do
2 not overinterpret the vitamin K data from the Fred
3 Hutchinson.

4 Second of all, even of those levels that they
5 measured are, indeed, true, they are still nutritionally
6 insignificant. That was only a 15 percent elevation in
7 plasma K.

8 DR. CLANCY: I wanted to ask for a clarification
9 on psyllium. You mentioned specifically that the psyllium
10 proposal to FDA came because of its proven cholesterol-
11 lowering effects. You are not comparing olestra to psyllium
12 in that way; right?

13 DR. ALLGOOD: No; I am not. Not at all.

14 DR. CLANCY: I wanted to make sure you were not
15 doing that. Okay.

16 DR. ALLGOOD: No.

17 DR. BRANDT: One last question.

18 DR. FEINLEIB: I would like to clarify Dr.
19 Applebaum's question. The data we saw yesterday was using
20 olestra products in which the vitamins had been added to the
21 product whereas the label appears to refer to pure olestra
22 having an effect and then separately to the fact that the
23 vitamins are added.

24 Is it still true that olestra alone will inhibit
25 absorption of some vitamins and nutrients?

1 DR. ALLGOOD: That's true. Olestra has the
2 potential to have a small effect on fat-soluble vitamins but
3 consumers don't buy olestra. They buy olestra snacks.

4 DR. FEINLEIB: So, as currently marketed, this is
5 extra information that has no direct impact on the
6 information for the consumer.

7 DR. TREIBWASSER: Correct.

8 DR. BRANDT: Dr. Drotman from Frito-Lay. You have
9 fifteen minutes, sir.

10 **Frito-Lay Presentation**

11 DR. DROTMAN: Thank you. I am Robert Drotman from
12 Frito-Lay.

13 [Slide.]

14 This morning, I would like to review a consumer
15 perception study that we have done on the olestra
16 information label.

17 [Slide.]

18 In this study, we tested several different labels.
19 I want to make it real clear before I begin that I am not
20 recommending the use of any of these labels. These were
21 only for test purposes. We tested four different labels.
22 Label 1, and I am not going to read it again, is the label,
23 the current label, on olestra packages which is required by
24 FDA.

25 Label 2 is a very shortened statement. We want to

1 see how this affects the consumer. It just simply tells the
2 consumer that this product contains olestra and that olestra
3 may cause GI effects.

4 Label statement 3 also remarks about the GI
5 effects but the main difference in this label is if you look
6 at the second line, it says that, if symptoms persist, you
7 should contact a physician.

8 The fourth label has a direct statement of safety.
9 The first line states that, "This product contains olestra
10 which has been found safe for consumption by the FDA." It
11 then goes on to tell that, "Sensitive individuals may
12 experience temporary GI effects." That one is toned down
13 quite a bit.

14 Throughout my talk, if you want to--everybody
15 should have a copy of my talk. You can leave that one page
16 of the labels tested open if you want to because I am going
17 to be referring back to these labels.

18 DR. BRANDT: It was on the top of your pile this
19 morning.

20 [Slide.]

21 DR. DROTMAN: A little bit about the study. This
22 study was conducted in February through March of 1996.
23 Because of that, we believe we probably had some fairly
24 naive consumers.

25 [Slide.]

1 A little about the methodology. This was a
2 central-location test. It consisted of adults, or people 18
3 and over who had used savory snacks at least one in the past
4 month. We used at least 228 respondents per label and each
5 respondent only was able to evaluate one label.

6 There is a comparison by respondents. It was done
7 by questionnaire. It was self-administered. Phase 1 and
8 Phase 2 were done separately. The labels were shown as a
9 box in the lower right-hand corner of a drawing of the
10 package. The only thing this package had on it was that it
11 was a nutrition facts label, the ingredient statement and
12 then the information label or the different iterations of
13 the information label.

14 [Slide.]

15 One question that we asked, I want to call your
16 attention to; "Based on this label, do you believe products
17 containing olestra are safe?" The important issue here--I
18 do want to point out that we used a little bit different--I
19 just noticed from Proctor and Gamble's talk, we did not just
20 force consumers to saying it was safe or unsafe.

21 We also wanted to give them a chance to say they
22 were uncertain about the safety or uncertain about the
23 information. As you can see, the majority of people wound
24 up in the uncertain category in every case. In every label
25 tested, they were uncertain about the safety.

1 In this case, all labels tested negatively
2 impacted the respondent's perception of the safety of
3 olestra.

4 [Slide.]

5 Doing that, we realized all we got was the impact
6 of the label. What consumers also hear is about this new
7 food additive that the FDA has approved. So what we decided
8 to do was do a before-and-after study. Before, no label was
9 reviewed and a simple description of olestra was given to
10 the consumer and was something like this; "Olestra is a new
11 cooking oil approved by the FDA. It does not contain any
12 calories and passes through the body unchanged."

13 That was all they received. And then they were
14 asked, "Do you believe olestra to be safe, this material to
15 be safe?" And afterwards, they were shown a label and then
16 asked the question, based on this label, "Do you believe
17 products containing olestra are safe?"

18 When we used that current FDA-required, FDA-
19 mandated label, we made that statement before, it still left
20 a lot of people uncertain. Again, the majority of people
21 are uncertain regarding the safety of the material. Once we
22 showed them the label, it significantly moved. You looked
23 at the "uncertain" category again, it significantly moved a
24 number of people to believing the material was unsafe.

25 Out of 162 people, 36 moved to the "unsafe"

1 category. 49 people felt it was safe before they saw the
2 label and only heard the simple statement. After they read
3 the label, which is on the right-hand side, 16 of them were
4 now uncertain and three of them actually felt it was unsafe.

5 The label, then, in this test significantly moved
6 respondents towards believing olestra was unsafe but left
7 most people uncertain, still.

8 [Slide.]

9 The next label we tested in this before-and-after
10 test was label 4 which, as you all remember, has the direct
11 statement of safety embedded within the label. It is up
12 there where it says, "This product contains olestra which
13 has been found safe for consumption by the FDA."

14 Before, again, the largest number of people were
15 uncertain about the safety of olestra even after being read
16 that simple olestra description. When they were shown a
17 label that had a direct statement of safety, in the
18 uncertainly category, about 28 people out of 169 moved to
19 believing it was safe and then, surprisingly, a number of
20 people actually moved to believing it was unsafe.

21 Of the people who felt it was safe beforehand,
22 nine now remained uncertain but no one felt it was unsafe.
23 Finally, in the unsafe, one person actually moved to
24 believing the olestra was safe.

25 So a safety statement significantly moved people

1 to believing olestra is safe but it still left most people
2 uncertain regarding its safety.

3 [Slide.]

4 I just want to go over two other questions very
5 quickly with you that we asked during the test to make my
6 point. One question was, "Based on this label, do you
7 believe that vitamins and nutrients, other than A, D, E and
8 K are affected by olestra?"

9 Once we asked that question, we were expecting not
10 to get as even a split as we did because of what the label
11 says. By the way, in this one, this is the current label
12 only and I have combined the current label answer from phase
13 1 and phase 2 since it is basically the same.

14 It says, "This label did not convey a clear
15 understanding of whether other nutrients were affected by
16 olestra."

17 [Slide.]

18 One other question I would like to share with you
19 is we asked the question, "Based on this label, how do
20 products containing olestra affect the level of vitamins A,
21 D, E and K in your body?" And, again, this is just the
22 current label. While we were expecting, of course, an
23 answer of no effect, the majority of people felt that
24 olestra decreases the vitamins in your body even with the
25 statement the A, D, E and K have been added to olestra.

1 Our conclusions from, at least the data I have
2 shown you today out of the study, is that consumers did not
3 conclude that olestra was safe to eat under any of the
4 conditions or any of the labels we tested.

5 Secondly, in general, information on the label is
6 not really well understood by consumer.

7 [Slide.]

8 What is Frito-Lay's position on the label at this
9 point? We believe that the scientific evaluations of the
10 new data will take place, of course, at the Food Advisory
11 Committee Meeting and you all will provide that input to the
12 FDA. At that point, we will determine if any of the science
13 justifies a label on the package.

14 If it doesn't, if not, the label should be
15 removed. If it does justify a label, then what we would
16 like to see happen is that the label is drafted and tested
17 with consumers or with respondents to insure that they are
18 clear and understood by the consumer.

19 Thank you very much.

20 DR. BRANDT: Thank you, Dr. Drotman.

21 **Questions of Clarification**

22 Are there questions of Dr. Drotman by any member
23 of the committee?

24 DR. HARLANDER: Again, would it be possible to
25 receive a copy of the questionnaire that you used with

1 consumers?

2 DR. DROTMAN: Yes.

3 DR. HARLANDER: Did you ever test any product
4 about excessive usage? These are the labels that you
5 tested.

6 DR. DROTMAN: Yes.

7 DR. HARLANDER: Did you test any others?

8 DR. DROTMAN: No.

9 DR. BRANDT: Do you have a copy of that
10 questionnaire which you can provide to her right now?

11 DR. DROTMAN: I think I have it upstairs in my
12 room. I will run upstairs and see if I have that. I think
13 I do.

14 DR. BRANDT: Don't run up there right now. Wait
15 until you finish the questions.

16 DR. FEINLEIB: I gather that, there was no
17 separate information according to whether they previously
18 used olestra products or not.

19 DR. DROTMAN: No. This was tested about a month
20 of two after the approval. There were no products on the
21 market.

22 DR. FEINLEIB: So it was before.

23 DR. DROTMAN: That is why I said the consumers
24 basically can be regarded as somewhat naive. They had never
25 seen a package of olestra chips, had never eaten any.

1 DR. CLANCY: Dr. Drotman, if that is the case, it
2 is really hard to try and understand--I am going back to, I
3 think it was Dr. Chassy who said not too long ago that there
4 is an expectation on certain kinds of foods that consumers
5 have, quite appropriately, about what they are buying them
6 for, about what the effects are going to be of, for example,
7 a bran food or something like that.

8 Since you did this research so early, it is very
9 hard, I think, to interpret any of the responses to the
10 labels because it appears that there really is going to be a
11 use factor here, not only a use factor but an educational
12 factor.

13 Can you project--I suspect you can, but would you
14 like to project what you think the responses might be to
15 some of these questions now after more use, more
16 information, more education, more experience, et cetera,
17 might be to some of these labels?

18 DR. DROTMAN: There are two issues here. Number
19 one is, on a new product, when a consumer picks up the bag,
20 he doesn't have any experience with the product. So this
21 would represent that new consumer. But you are correct.
22 Since the time, a lot more people know about olestra, a lot
23 more people understand it.

24 I think it certainly would be much different today
25 if we did this study again.

1 DR. TREIBWASSER: I would like to comment that the
2 data that we showed on safety perception and warning
3 perception was conducted just this year in 1998, so it does
4 reflect in-use perception or perception that has been
5 informed by all of the information that has been in the
6 media since the products began to be marketed.

7 DR. CLANCY: Remind me again. Were those only
8 done in your test markets?

9 DR. TREIBWASSER: It was a national sample.

10 DR. CLANCY: Okay. So it is not from use, per
11 side effects, in a lot of places. It is just from media
12 exposure.

13 DR. TREIBWASSER: From awareness.

14 DR. BRANDT: However, that was after you had gone
15 national with respect to the product. You can consider the
16 United States kind of the whole market. That's everybody.

17 DR. BENEDICT: What about the comments that were
18 made sometime in the last couple of days that no one ever
19 actually sees the label, unless you put it in front of them
20 and ask them for a comment?

21 DR. DROTMAN: This, again, was a drawing of a bag
22 which had the label and it specifically asked them to look
23 at--this test was done by computer. It just said, "Punch 1
24 or 2." And the first thing that comes up is a bag, a
25 drawing of a bag with a label on it that says, "This is what

1 you have to focus on."

2 So we didn't test how many consumers read labels
3 or not.

4 DR. BENEDICT: In your suggestion that the label
5 should be removed if the committee determines there is no
6 scientific support for certain things, do you harbor any
7 small feeling, either of the two companies, that you might
8 need that label eventually for some protective, some
9 personal protective, effect of the company, itself?

10 DR. ALLGOOD: My feeling is that any label must
11 really reveal factual information because if people are
12 avoiding a product because they think, as our research
13 showed, that this is a government-mandated health warning,
14 then that is not good. That is not serving the public for
15 them to think that the label is doing that.

16 So the answer to your question is no. We want any
17 label to be justified by the facts.

18 DR. TREIBWASSER: I would just add, though, that
19 if we had any reason to believe that the company wanted the
20 label on there for any liability reasons that we could
21 voluntarily put such a label on the product as long as FDA
22 did not agree that it was somehow misleading.

23 MS. RICHARDSON: I guess I am a little confused
24 about the surveys with both companies. You indicated that
25 the participants in the surveys appeared to be confused

1 about the safety of the product. With that in mind, were
2 you surprised at the amount of product that was purchased?

3 Early on, during the hearings, we heard how many
4 consumers had purchased this product and, apparently, it was
5 not a one-time purchase.

6 DR. DROTMAN: First of all, from our study, we
7 didn't say that the consumers were confused. We said they
8 were uncertain. There is a little bit of difference there,
9 I believe. The second thing is I guess most people just go
10 ahead and try things. I was a little bit surprised by the
11 purchase intent but, if you go back and look--I don't want
12 to get into this today because we didn't do it on this
13 particular label--when you really come down to it, people do
14 not read labels a lot.

15 If you look at the data on labels, there are
16 studies that have been done on that.

17 MS. PAPA: I also wanted to point out that, to us,
18 one of the important things--on our consumer research, we
19 felt that this showed that this was inaccurate and
20 misleading people. I don't think consumers want to be
21 misled. So I think that is really the issue here that we
22 are trying to point out.

23 DR. BLANER: It is very surprising to me--your
24 label 4 which explicitly states that the FDA believes this
25 is safe that so many people were uncertain to its safety or

1 actually felt it was unsafe. One could imagine several
2 reasons for that. One possibility might be that just having
3 a strange substance such as olestra is unattractive to
4 people.

5 Another people is media that the product may have
6 received or there may be other possibilities. Could you
7 share some of your insights into that?

8 DR. DROTMAN: One thing I didn't show was some of
9 the direct statements we go. We also gave them a chance to
10 write in comments to us. As our feeling is right now, and I
11 don't have any hard data to show you this, is that labels in
12 general, like this, make people suspicious no matter what
13 you put on the label.

14 On the statement of safety, some people who read
15 that, we got some comments like, "If this is safe, why is
16 this label necessary?" stuff like that. So that is the only
17 answer I can give you at this point.

18 MS. PAPA: I would like to build on that a little
19 bit because we also have interviewed lots and lots of
20 consumers on this. The point is that if you ask consumers
21 about labels, some of the labels that first come to mind for
22 consumers are things like cigarettes, the warning label on
23 cigarettes, the warning label on alcohol that is warning
24 pregnant women that there may be severe consequences.

25 So, because of labels that are warning people

1 about potential serious hazardous effects, it is very
2 difficult to set up a distinction that is very clear in the
3 consumers mind that makes something--that is just
4 information very different from this other information that
5 they are used to that is about harm and about true hazard.

6 DR. FUKAGAWA: This is, perhaps, more of a comment
7 but I am sure you may want to respond, and that is that, in
8 many ways, I think it is very important for the public to
9 have choice. Part of being able to make an educated choice
10 or decision about one's own personal health or family-food
11 choices and everything is being educated and having
12 information.

13 So, therefore, I think, in a sense, it is somewhat
14 reassuring that, I think, the majority of people who read
15 the labels felt that they were still uncertain about the
16 "safety" or possible effects of a new food additive or a new
17 food that is sort of meeting, or at least partially
18 replacing, one of the macronutrients in our diet and are
19 raising questions and may lead them to seek further
20 information, in which case, I think the industry could then
21 truly help the public by providing that education.

22 I think one of the big problems we do have, which
23 I see both as a physician and a practitioner, a scientist,
24 and as a mother, is that too often people want to shift
25 responsibility to a body that they will then be able to

1 blame at a later time if something does go wrong.

2

3 But, in the meantime, they will say, "Oh, yes;
4 well, I could pig out on this or that," or, "I will continue
5 to smoke despite what is on the label and whether I know it
6 is bad." So, therefore, I think even though it is important
7 that, from your perspective, from selling your product, that
8 it may be raising some questions in the consumers' minds, I
9 think it is still serving an important role in terms of
10 raising people's level of alertness of things that they
11 should consider, especially with respect to nutrition
12 because nutrition is an area that people are very confused
13 about.

14 At one time, you hear you shouldn't eat butter.
15 And then, the next time, butter is okay and margarine is
16 this--but, yet, the basic components are all sort of
17 similar. So, therefore, I think--I don't know where I am
18 actually going except to comment on the fact that, in many
19 ways, I wouldn't want to not see a label.

20 I think the fact that people are maintaining or
21 seem confused and uncertain only means that we need to do
22 more for education so people can make reasonable choices for
23 themselves rather than placing it in the hands of a
24 government body to decide for them whether or not it is good
25 or bad.

1 Thank you.

2 DR. BRANDT: Do you want to respond, either one of
3 you?

4 DR. ALLGOOD: Yes. I would like to respond. I
5 think that I agree with your comments very much that there
6 is an important need for education about this product. A
7 lot of us at Proctor and Gamble have spent their lives on
8 the road in the last couple of years doing just that. I
9 have personally talked with thousands of dieticians about
10 this product.

11 I think that the way to provide accurate
12 information is through health professionals where consumers
13 can have a dialogue about the product. I disagree that the
14 information--I respect your opinion but I disagree that an
15 information label is the right place to do that.

16 But I thoroughly agree with you that there is a
17 big need for education on the product and we are going to
18 continue to work very, very hard to do that.

19 DR. FUKAGAWA: But the label is a place where you
20 can initiate that dialogue because not everyone will go to a
21 nutritionist and say, "Tell me about olestra." You have to
22 look at it, where do most people get their information?
23 T.v., newspaper ads, perhaps, if they read the newspaper,
24 and labels on boxes.

25 Despite the fact that they may not look at it

1 initially, if they think it tastes great or they have
2 suddenly lost ten pounds, they may look and say, "Wow."
3 Oooh; I shouldn't have used that. Oh oh. Anyway, you know
4 what I am saying.

5 DR. BRANDT: Mr. Levitt, do you have something to
6 contribute to all this?

7 MR. LEVITT: I only had a question to ask, if I am
8 permitted.

9 DR. BRANDT: Not now. Dr. Clydesdale first and
10 then you.

11 DR. CLYDESDALE: I wondered if you had any
12 information on health professionals' interpretation of the
13 label, physicians and other health professionals?

14 DR. ALLGOOD: I'm sorry; could you repeat the
15 question.

16 DR. CLYDESDALE: I wondered if you had information
17 on physicians and other health professionals on their
18 interpretation of the label.

19 MS. PAPA: Yes. Actually, we do. We did survey
20 physicians as part of our physician education program. We
21 did a follow-up survey with physicians. I can't recall the
22 numbers off the top of my head, but there were some concerns
23 also expressed by physicians around consumers' potential in
24 terms of misinterpreting the label.

25 DR. ALLGOOD: Just to clarify, so we are not

1 misleading. Our physician surveys, we have had a poor rate
2 of response, as you typically get. So that is one of the
3 reasons we didn't present that data. But it does show--one
4 of the interesting things that it showed was that after
5 reading the label, the physicians who responded, a
6 significant proportion of them said they had some level of
7 concern, either slight or very concerned, that people's
8 interpretation of the label would mean that they would delay
9 medical treatment.

10 Of course, that can have some serious
11 ramifications. In fact, when we ran one of our test markets
12 in Cedar Rapids, there was an E. coli outbreak. Some of the
13 gastroenterologists in that community, which was our test
14 market, expressed some concern that people might read the
15 interim label and delay medical treatment when they really
16 had, in fact, an E. coli outbreak.

17 So some physicians, based on our limited sample,
18 are expressing concern about the interim label.

19 DR. BRANDT: It reminds me. I have done a lot of
20 surveys with physicians. Two things come to mind. First,
21 you get a low rate of response and, second, you have to hire
22 a pharmacist to read their handwriting.

23 MR. LEVITT: I just wanted to follow up on an
24 earlier question and see if we can get a maybe more direct
25 answer, and that is what impact do you think this label has

1 on sales or what impact would you think not having this
2 label would have on sales. It is the same question in the
3 inverse.

4 DR. BRANDT: I am going to let you answer that
5 question but I think that is contrary to your instructions
6 to this committee, Mr. Levitt, to talk about sales.

7 But if you want to answer it, that's fine.

8 DR. TREIBWASSER: I am not sure I want to answer
9 the question. I think this discussion is about what does
10 the scientific data support that ought to be on the label,
11 what do the data say, what does it mean, what do people,
12 what do consumers, perceive about the label?

13 If we want to discuss the impact on sales perhaps
14 we can do that separately. I am not sure it is a piece of
15 information that this committee needs to worry about.

16 DR. BRANDT: As a matter of fact, I don't think
17 this committee needs to worry itself about Frito-Lay sales
18 or Proctor and Gamble sales. That is not our issue.

19 MR. LEVITT: If I might clarify. I did not word
20 my question well, but I was trying to get at the question of
21 people's uncertainty, does it affect their purchase of it or
22 does it affect them thinking about it after they purchase?

23 DR. TREIBWASSER: I think as you saw from the
24 video clip, there is no question that people who perceive
25 this as a warning label avoid buying the product.

1 MS. COPP: Actually, I wanted to follow up on an
2 earlier question so, perhaps, you should go with Dr. Clancy
3 and then I will ask my question.

4 DR. CLANCY: I wanted to ask Ms. Papa the follow-
5 up question to the other one. Have you surveyed dieticians
6 about their response to the label, not what they think
7 consumers are going to do because I am much more with Dr.
8 Fukagawa on that. I think that consumers really do have to
9 have the ability to make their own decisions and not have it
10 always filtered through professionals, even though I am one
11 such.

12 What do dieticians tell you about their response
13 to the label--not what they think consumers are going to say
14 about it but their own response to the label. Are they
15 uncertain or are they completely confused?

16 MS. PAPA: When we said physician research, that
17 was actually health professionals and that included
18 physicians, some pharmacists and also dieticians. What we
19 specifically were asking them about was interpretation of
20 the label. So what Mr. Allgood said for physicians, that
21 included the dieticians in that.

22 DR. APPLEBAUM: But you didn't ask them to respond
23 in their own role as consumers. You asked them to respond
24 about what they--as if they weren't consumers would say.
25 No? You did ask them specifically?

1 DR. ALLGOOD: Right. We were asking their
2 impressions of the label. I can tell you that, especially,
3 working with a lot of dieticians over the last year, there
4 is a lot of confusion over the label. I don't think I have,
5 in fact, met a single dietician that understood the last two
6 sentences, what they really meant.

7 DR. BENEDICT: I was just struck by a statement, a
8 series of statements, and that is I can, on the one hand,
9 perceive why a label might prevent people from visiting the
10 physician in a timely fashion. Certainly, that makes sense.

11 On the other hand, two years from now, it might
12 not make a difference. But right now, at this time, when
13 perceptions by the public have sort of begun to pervade by
14 not stabilize, it would seem to me that, in the absence of a
15 label--this is just a hypothesis that I would like for you
16 to explore. It is not my own opinion.

17 It would seem to me that, in the absence of a
18 label but in the presence of a public perception that there
19 might be a problem, that, in the absence of something that
20 says this is safe, meaning, "think about some other source
21 of your difficulty," people might, in fact, attribute their
22 difficulty to olestra and delay their appearance at their
23 physician's office.

24 I am wondering if you could respond to this with
25 respect to the near term, not necessarily after opinions and

1 education have stabilized our population.

2 DR. ALLGOOD: What we have seen that happens from
3 olestra in any of these studies, the digestive effects which
4 might occur after eating olestra are not severe effects.
5 The people who had severe effects that we heard about, those
6 effects are not due to eating olestra.

7 So when people need medical treatment, they need
8 medical treatment.

9 DR. BENEDICT: No, no. Forgive me. I think you
10 are misunderstanding the question. What I am saying it is
11 possible that the public will perceive, regardless of what
12 the truth may be, that their difficulties are due to olestra
13 and delay going.

14 As you have said, in the presence or the absence
15 of a label, these are two different things. Do you guys in
16 the back there have a different perspective?

17 DR. DROTMAN: That is one of the reasons we tested
18 the third label to see--especially if we are looking at the
19 comments from the consumers to see a label that said, "If
20 you have serious symptoms, or symptoms persist, please go
21 see a physician."

22 I think your contention is absolutely correct,
23 though, that people might too easily blame something on
24 olestra that has nothing to do with olestra and delay going
25 to a physician and get themselves in trouble, like

1 appendicitis or something like that.

2 I think that is a good point.

3 DR. ZORICH: I would like to add that when people
4 do call us, if it is something--and it is a very fine line
5 to take with a consumer because you don't want to tell them
6 you are not listening to them. But when they do call us and
7 they are having effects that we believe they need medical
8 care, we encourage them strongly not to simply be fixed in
9 their opinion but to see appropriate medical care.

10 DR. BENEDICT: But they all, of course, won't
11 call.

12 DR. HARLANDER: I am thinking about your comment
13 and I am wondering--you know, a number of years ago, the
14 Kellogs Company put a lot of information about the impact of
15 fiber in diet and health on their package. I realize that
16 people that eat breakfast cereal probably sit with the
17 package in front of them--at least I do when I eat breakfast
18 cereal in the morning--and I read it.

19 Maybe you don't with a potato chip bag, but in
20 light of the need to educate consumers about this, I am
21 wondering if that has ever been tested. You kind of test it
22 because you say that it is a new cooking oil--at least one
23 of your things talked about that and there was still quite a
24 bit of uncertainty about that--but at least it might
25 encourage an educational goal about macronutrient

1 substitutes and what people might expect.

2 In fact, people, then, might expect a laxative
3 effect so that when they eat olestra, they are doing it for
4 that purpose in the same way that you consume bran or
5 psyllium or some of these other products.

6 Have you ever tested or thought about, either of
7 the companies that market these products, in doing something
8 like that?

9 DR. TREIBWASSER: I don't believe P&G has tested
10 anything like that.

11 DR. BRANDT: Has Frito-Lay?

12 DR. DROTMAN: No. What you saw is what we have
13 tested.

14 DR. BRANDT: Since I got in a lot of trouble the
15 other day for saying nasty things about lawyers, I have to
16 let Ms. Copp finish this session, except for a joke I am
17 going to tell.

18 MS. COPP: Catherine Copp from the Chief Counsel's
19 Office at FDA. This is a question that I would like to
20 direct to both companies. I am wondering whether any of
21 your survey data or any other consumer survey data that you
22 are aware of can tease out the lack of consumer enthusiasm,
23 if I can use that term, for these label statements because
24 we are talking about a new substance or a "food additive," a
25 chemical that has been added to food.

1 That is the question. Dr. Treibwasser is looking
2 at me.

3 DR. DROTMAN: We probably can't tease out on a
4 statistical basis. We did get some comments from some
5 people--I think I actually have them upstairs. These is
6 just the written-in so there is no real--these are
7 anecdotal. But some people did say, "I don't like
8 statements on this on my food packages. It makes them
9 unappetizing and I don't want to buy them." That is the
10 sort of thing we got.

11 I can't remember if we got a lot of them or a few
12 of them but we did get statements like that on the free-form
13 portion of the questionnaire.

14 DR. TREIBWASSER: I am not sure we have anything
15 that is very salient to that point.

16 DR. BRANDT: Dr. Harlander brought up one of the
17 more painful memories of my term as Assistant Secretary for
18 Health, having served as the referee between the Cancer
19 Institute, the epidemiologists about fiber. It was an
20 interesting time that I would like to forget.

21 The story I was going to tell when I saw all the
22 FDA people rally around to try to respond to this question
23 just reminded me, I was watching Monday night football one
24 time back when Dandy Don Meredith was on and Frank Gifford.
25 This is a real story--true, that is; not just real but true.

1 who don't see it.

2 CSPI has received reports of adverse GI reactions
3 from many people who never saw the label because they ate
4 the chips from a bowl at a friend's house. Some of those
5 people told us that if they had known the chips contained
6 olestra, they wouldn't have eaten them.

7 I don't think I have to reiterate that our
8 preference would be that olestra not be on the market for
9 the two problems, GI effects and carotinoid losses. But, in
10 the context of this labeling discussion, I would like to
11 present our views.

12 Proctor and Gamble maintains that olestra does not
13 cause meaningful gastrointestinal symptoms and suggests,
14 therefore, that a label notice is not necessary. Proctor
15 and Gamble cites studies that it contends demonstrate
16 complete safety but it fails to acknowledge that its several
17 recent studies involve very few people.

18 For instance, the six-week study involved roughly
19 a thousand people who ate olestra which means the 90th
20 percentile group is only about 100, 150 people. To
21 extrapolate from that kind of study to 100 million or
22 200 million consumers of olestra products provides no
23 grounds for reassurance whatsoever, and it certainly
24 provides no grounds for stating that olestra does not cause
25 this effect or that effect.

1 The number of people was too small. It is
2 impossible to identify rare effects from that kind of a
3 study. The other studies, the movie-theater study, involved
4 only about 500 people who ate generally quite modest amounts
5 of olestra. It simply provides no--there is no safety
6 factor in that kind of a study.

7 Furthermore, other studies conducted previous to
8 the approval of olestra have found that olestra can cause
9 symptoms that are sometimes severe. In figuring out what
10 the wording of the label should be, it is important that we
11 not have amnesia prior to January 30, 1996, but have to put
12 the recent studies in the context of the previous studies.

13 In addition to those studies, thousands of people
14 have suffered symptoms that they attributed to olestra and,
15 in some cases, their physicians concluded that those
16 symptoms were, indeed, due to olestra. There is no way that
17 you can do a double-blind study on every single person who
18 calls in.

19 The second rechallange study, the rechallange done
20 after approval of olestra, involved only 100 people were not
21 prescreened to look for sensitivity as was the previous
22 rechallange study called the fecal-parameter study.

23 If olestra is allowed to remain in our food
24 supply, consumers need a prominent, candidly worded notice
25 in both labeling and advertising to apprise them of the

1 problems that this chemical can cause. We are basing our
2 recommendations on comments submitted to us and the FDA by
3 Dr. Sidney Lirtzman, a labeling expert at and the dean of
4 the Zicklin School of Business at the City University of New
5 York and by Professor Michael Wogalter, a labeling expert a
6 North Carolina State University. Both of those professors
7 have consulted for federal agencies or served as expert
8 witnesses on labeling issues.

9 I would first like to discuss the visibility of
10 the current notice. Three companies use olestra in their
11 products. All three companies print the notice on the
12 bottoms of the backs or sides of packages as inconspicuously
13 as possible. As Dr. Lirtzman said, "The way the FDA-
14 required statement is used virtually insures that it will
15 not be noticed or read by most consumers."

16 I mentioned earlier, we did a random telephone
17 survey that we conducted in Indianapolis and we asked people
18 whether they saw the notice. We asked olestra eaters how
19 many of them saw the notice. Only 32 percent of those
20 olestra eaters, and there were about 200 people, said they
21 had seen the labeling with some of those seeing it only
22 after they ate the product.

23 We also asked people who call our toll-free line
24 whether or not they saw the label notice and whether or not
25 they saw it before or after they purchased or ate the

1 product. Only 44 percent of a sample of 716 people said
2 that they had read the label notice before purchasing or
3 before eating the chips, 44 percent.

4 Many people have told us such things as, "I didn't
5 think I had to search around on a bag of potato chips for a
6 warning notice." And, "Current information on labels is not
7 sufficient. It needs to be as large as the product name."
8 And, "No one will look for a warning label on chips." Those
9 people are exactly right. Consumers expect food to be safe.

10 They don't expect that a warning label, or call it
11 an informational notice or whatever you want to call it--
12 they don't expect that to be on a food especially one as
13 commonly consumed as potato chips.

14 The FDA should require the notice to be printed on
15 the front of the package. If the whole notice is not on the
16 front, a statement should be printed on the front guiding
17 people to a longer statement elsewhere on the package. I
18 don't recall if I said it already, but the FDA gave
19 companies permission to print the label notice either on the
20 front of the package or on the back of the package, which
21 seems like a waste of ink to me. Clearly, they are going to
22 print it on the back of the package.

23 Secondly, the notice should be printed about one-
24 third of the way from the top of the front of the label.
25 Otherwise, the notice may be hidden by the shape of one of

1 those big bulging potato chip packages or by the lip on
2 store display cases that hide the fronts of the labels, the
3 bottoms of the labels.

4 Thirdly, the notice should include an attention-
5 getting signal word such as "caution." The current wording
6 of the notice is inadequate. First, it fails to indicate
7 the potential severity of symptoms. Many consumers who
8 experience severe symptoms that they attributed to olestra
9 said they saw the notice but felt that loose stools wouldn't
10 be any problem.

11 They said that they would not have eaten the
12 product had they known that the symptoms could be severe.
13 As one woman told us, "The pain felt like childbirth. P&G
14 should put 'severe' on the warning label."

15 A candid notice about GI symptoms is particularly
16 important considering the companies are mounting massive
17 advertising campaigns that proclaim that olestra is "safe
18 for everybody" and that olestra snacks are "a little
19 healthier" than regular snacks.

20 Second, the label only discloses cramps and loose
21 stools. Because diarrhea was a symptom identified in
22 several of P&G's preapproval studies, the new six-week study
23 and in hundreds of vivid adverse-reaction reports, labels
24 should state the possibility of diarrhea. Labels should
25 also indicate gas as a possible symptom.

1 Other concerns include discolored stools and oil
2 in toilet. Many people have told us that they were very
3 concerned about whether they were experiencing some kind of
4 severe unknown sickness because their stools were coming out
5 yellow or orange or greenish. And also they were concerned
6 about the presence of oil in the toilet. Where in the world
7 could that come from? Without label information about such
8 concerns, it is much more difficult for communities to
9 identify their cause.

10 Third, and this is one I agree partially with
11 Proctor and Gamble and Frito-Lay, the language on nutrient
12 losses must be clarified.

13 [Slide.]

14 These are the two sentences that are currently on
15 the label. "Olestra inhibits the absorption of some
16 vitamins and other nutrients, vitamins A, D, E and K have
17 been added." But the label is silent about the nutrients
18 not added back. The fat-soluble carotinoids are the most
19 prominent such nutrients but it is possible that other, even
20 unknown, nutrients are also affected.

21 We urge that the label include the statement,
22 "Olestra keeps your body from absorbing vitamins and other
23 important nutrients. Vitamins A, D, E and K have been added
24 to reduce this problem but carotinoids and other nutrients
25 have not been replaced. Carotinoid losses due to frequent

1 consumption of olestra products may increase the risk of
2 cancer and other chronic diseases."

3 That is based on Dr. Colditz testimony from
4 yesterday and also by the general consensus of the
5 scientific community that carotinoids likely protect against
6 cancer and other chronic diseases.

7 Finally, the label should advise people with
8 severe symptoms to call or visit their doctor. Indeed, many
9 people have told P&G or CSPI that they experienced such
10 severe symptoms that they did go to the doctor. Severe
11 symptoms that are caused by olestra may require medical
12 care. If the symptoms are due to something else, it is also
13 critical that a physician determine whether a patient is
14 suffering a gall-bladder attack, appendicitis infection or
15 other problem.

16 I would like to turn to the current utility of the
17 label for passive surveillance. The olestra label could,
18 but now does not, promote the reporting of symptoms and lead
19 to a better understanding of their nature and prevalence.
20 When the FDA approved olestra, the agency suggested, but did
21 not require, that companies include a toll-free telephone
22 number in the required label notice, itself.

23 Not one of the three companies has accepted the
24 FDA's suggestion. Instead, the notice has been placed
25 elsewhere on the label, oftentimes on the fat-free Pringles,

1 quite inconspicuously. I think it is gold print on shiny
2 red paper. The phone number is a general consumer-service
3 number, not one designated specifically for reporting
4 adverse reactions.

5 Apparently, the FDA thought that providing a
6 telephone number would help consumers obtain information
7 about olestra but that it was not, necessarily, intended to
8 facilitate the reporting of symptoms. But, considering the
9 large number of people apparently experiencing and reporting
10 symptoms, the FDA must insure that a phone number is
11 provided expressly for that purpose.

12 As Dr. Wogalter noted, to provide for the safe use
13 of olestra, the FDA should require manufacturers first to
14 maintain a phone line devoted specifically to health
15 concerns and, secondly, to include a toll-free number in the
16 label notice, itself.

17 I would like to wrap up my discussion of the label
18 notice by showing you the kind of notice that we think would
19 be necessary to inform consumers and prevent misleading
20 labeling. We say this based, again, on the totality of
21 evidence, not on just three recent studies.

22 We also are building into it the recognition that
23 we need a safety factor, that when you are going from small
24 studies, inevitably small studies, to the 100 or 200 or
25 250 million people who will be consuming a product such as

1 this, we might run into especially sensitive people,
2 idiosyncratic reactions, or much larger consumption by some
3 people, by many people, than would be seen in these very
4 limited so-called clinical studies or other controlled
5 studies.

6 [Slide.]

7 "Caution; this product contains olestra," the
8 signal word that labeling experts know helps draw people's
9 attention to the label notice. If you think that is too
10 strong, simply the word "notice," or "important notice," can
11 also draw people's attention to the label.

12 "The Food and Drug Administration has found that
13 olestra may cause diarrhea, loose stools, gas abdominal
14 cramps and other digestive symptoms." A couple of those
15 symptoms, like cramps, clearly was not seen in the overall
16 results from the six-week study, but it clearly was seen in
17 the previous eight-week studies at a statistically
18 significant level. Also, many people have reported
19 anecdotally that they experience cramps shortly after eating
20 the olestra chips, and they blame the symptom on the
21 consumption of the olestra.

22 The first term, "diarrhea;" that was clearly seen
23 in the fecal-parameter study submitted to the FDA after the
24 advisory committee met in November, 1995. That was a small
25 study. It involved about sixteen people who had been

1 screened for an apparent sensitivity to olestra.

2 There was a statistically significant increase in
3 severe diarrhea and four people had stool weights above the
4 cutoff for diarrheal stool, the gas that is seen, loose
5 stools that is obviously seen. Symptoms, occasionally, may
6 be severe, seen in the eight-week studies and in the fecal-
7 parameter studies. "If symptoms are severe or persistent,
8 contact a doctor."

9 We have talked about the next paragraph concerning
10 nutrients. "If you take Coumadin, consult your physician
11 before eating olestra." People who are on Coumadin have
12 never been tested with regard to vitamin K status following
13 consumption of olestra. "Children should not eat olestra-
14 containing foods." The tests on children are very, very
15 paltry and certainly there are no studies on children under
16 two.

17 [Slide.]

18 If that is too big to put on the front of the
19 label, there can be a pointer on the front of the label
20 suggesting that people read the label on the back. "See
21 back panel for more information."

22 Now, I would like to turn to a totally different
23 aspect of olestra labeling. I am talking about how olestra
24 is referred to in the nutrient labeling and in nutrient-
25 content claims. When the FDA approved olestra, the agency

1 granted a special exemption from nutrition labeling and
2 nutrient content claim requirements.

3 First, the FDA allows the nutrient facts label to
4 state that a serving of olestra chips contains no fat when,
5 in fact, it contains about 8 to 9 grams of fat. Although
6 the fat is not digestible, it is still fat. Second, chips
7 fried in olestra may be labeled "fat free," even though they
8 are full of fat. It is indigestible, but it is still fat.
9 On that, I think everybody agrees.

10 Allowing olestra chips to be called fat-free
11 deceives consumers and is unfair to makers of truly fat-free
12 chips.

13 [Slide.]

14 This is two packages of potato chips both labeled
15 fat-free, but the product on the left has no fat. The
16 product on the right is full of fat. If you can see, this
17 is how much olestra is in a five-ounce package of Wow chips.
18 So, if somebody eats those fat-free Wow chips, this is what
19 they are consuming. To call it fat-free I think is highly
20 deceptive.

21 There are two other labeling practices that show
22 how out of kilter the olestra labeling exemption is. FDA's
23 Veterinary Medicine Division regulates animal feed and they
24 require, in products for animals that contain olestra, to
25 disclose the full fat content and then indicate either how

1 much is digestible or how much is indigestible.

2 The FDA should require consistent labeling of
3 reduced-calorie fats including olestra.

4 [Slide.]

5 This is what we are recommending for the nutrition
6 label. It was say, "10 grams of fat, 1 gram of available
7 fat," in whatever product this is. And then a footnote
8 saying, "This product contains 9 grams of olestra which is
9 not digested by the body."

10 Second, claims like "fat-free" are not truthful
11 and should not be permitted on olestra-containing products.

12 [Slide.]

13 Instead, the FDA could permit a truthful statement
14 such as "no calories from fat," and, to prevent people from
15 concluding that there is no fat in the product, it should
16 state, in smaller print, perhaps, "contains 8 grams per
17 serving of the indigestible fat substitute, olestra," to
18 explain to people how a food that contains fat doesn't
19 provide calories.

20 That finishes my statement. Thank you.

21 **Questions**

22 DR. BRANDT: We are now open for questions of Dr.
23 Jacobson. Dr. Applebaum, who I was accused of ignoring last
24 time, I am going to start with you.

25 DR. APPLEBAUM: Thank you, Mr. Chairman. This is

1 for FDA. So can I still ask it?

2 DR. BRANDT: That's quite all right. You can ask
3 FDA as long as they don't want to talk about sales.

4 DR. APPLEBAUM: I just have a question for FDA in
5 regards to criteria used in determining when a separate
6 label is warranted above and beyond the ingredient panel. I
7 guess my question refers to, specifically, sulfites. In
8 terms of opinion reached by FDA that the ingredient panel,
9 in and of itself, was sufficient to inform the consumer of
10 the presence of sulfites.

11 MS. CAMPBELL: The principle that is being
12 referred to here has to do with hypersensitivity reactions
13 to foods where a food is generally safe but there is a
14 subpopulation of people who have adverse reactions. In many
15 cases, those are allergies. In other cases, they are
16 intolerance or other kinds of hypersensitivity.

17 For sulfites, our general principle is if a person
18 needs to avoid the substance, the particular food item, that
19 can be done as long as the person can be told by the label
20 that the substance is presence. It has been our policy for
21 a long time that the ingredient declaration provides that
22 information.

23 The ingredient declaration provides information on
24 everything that is in the food whether or not it causes a
25 hypersensitivity reaction. All of those substances that do

1 cause adverse reactions are covered in the ingredient list.
2 A person who needs to avoid can avoid by reading the
3 ingredient list.

4 A number of years ago, we decided that sulfiting
5 agents--we recognize that they cause hypersensitivity
6 reactions. Where the ingredient list did not include the
7 sulfiting agent that was present in the food, it was due to
8 an exemption, we removed the exemption so we were still
9 consistent with the principle that an avoider can obtain
10 enough information from the ingredient list to avoid the
11 food where there is a hypersensitivity reaction.

12 Is that the clarification you need?

13 DR. APPLEBAUM: Yes.

14 DR. POTTER: Betty, if it were shown that the
15 pathogenesis of the acute-onset gastrointestinal signs were
16 limited to a specific identifiable population, would your
17 sulfite example then suggest that listing olestra in the
18 ingredient statement would be enough information for
19 avoiders to avoid products containing olestra?

20 MS. CAMPBELL: We could certainly evaluate whether
21 that was the case. For allergens and other similar
22 substances that cause adverse reactions, we are talking
23 about a limited population and we are talking about these
24 substances are perfectly safe for other people, that other
25 people don't have a reaction to them at all.

1 DR. LAMM: Dr. Jacobson, I heard yesterday the
2 presentation both of Dr. Colditz and Dr. Ommen. It would
3 seem to me, based on that, that your recommended label might
4 say that the reduced carotinoids may increase or decrease
5 the risk of cancer of cardiovascular disease. Would you
6 accept that modification?

7 DR. JACOBSON: No; I wouldn't. The issue with
8 olestra is lowering carotinoid levels and lowering levels of
9 numerous carotinoids. The only evidence of risk comes from
10 an unusual scientific study where huge amounts of beta
11 carotene, one carotinoid, are added to people's diets. That
12 is very different from what olestra causes. It is not
13 something that normally occurs, certainly with olestra.

14 I think that we need to turn to the various expert
15 committees that have reviewed the situation and, where there
16 is a general consensus that carotinoids likely reduce the
17 risk of certain chronic diseases and that people should
18 consume more foods with those carotinoids.

19 DR. HARLANDER: I want to make sure I understand.
20 You are suggesting that the label be changed to include the
21 word "diarrhea," based on the results of sixteen people who
22 self-reported diarrhea. But everything that I have heard
23 has discounted that what we are really dealing with is
24 clinical diarrhea in any of these cases.

25 Did I understand that right? You want to base

1 this label change on the results of sixteen people? Did I
2 understand that correctly?

3 DR. JACOBSON: There are virtually no tests
4 looking at clinical diarrhea, when you look at water loss
5 and electrolyte loss. The fecal-parameter study is the one
6 study that was designed to detect if olestra can cause any
7 kind of the diarrhea or severe diarrhea. And that one
8 looked at stool weight and water content. I don't think it
9 looked at electrolyte losses.

10 The FDA acknowledges that that study, a small
11 study, showed a significant increase in diarrhea and severe
12 diarrhea and that the increased weight of the stool could
13 not be made up for by the extra weight of olestra. Some of
14 the people in that study had huge increases in stool weight,
15 up to almost a tripling of the normal stool weight, well
16 over the cutoff point for diarrheal stool.

17 Remember how that study was done. It tried to
18 identify people who were sensitive to olestra and,
19 apparently, it did that. The more recent study, comparing
20 olestra to sorbitol, did not involve sensitive subjects.
21 Those were just random people. I think there were 22 people
22 or 44 people who ate a given amount of olestra.

23 That study was not designed to detect whether
24 olestra can sometimes cause diarrhea. It was designed to
25 detect whether olestra typically increases stool weight,

1 presumably by an osmotic effect. It did not find that.
2 There was only a little bit of increased weight of stool.

3 So the fecal-parameter study clearly showed
4 olestra can cause diarrhea. Then you can throw out all the
5 anecdotal reports, if you want, but I think with a
6 background of the controlled studies demonstrating that
7 olestra sometimes causes diarrhea, I think you throw them
8 out at your peril.

9 If you throw out all the anecdotal reports, why
10 even bother collecting them.

11 DR. FENNEMA: I am having some difficulty, Dr.
12 Jacobson, with your definition of fats. In all the books I
13 have read on the subject, I understand that fat is a
14 triacylglycerol. So olestra is not a fat. It is a lipid.
15 That is fair enough. But it is not a fat.

16 DR. JACOBSON: Well, Proctor and Gamble calls it a
17 fat. Proctor and Gamble calls it a cooking oil. Frito-Lay
18 calls it a cooking oil. FDA's definition of fat is
19 something that, when hydrolyzed, releases fatty acids and
20 that when you are putting nutrition labeling on, you should
21 convert those fatty acids back to the triglyceride
22 equivalent.

23 FDA's Center for Veterinary Medicine considers
24 olestra a fat. It is an indigestible fat. That is what
25 people have said for years. To list it as "no fat" on the

1 nutrition label and "fat-free" on the front of the label
2 hides from people the fact that they are consuming this
3 glob. They are ingesting this. Otherwise, there is no
4 evidence of this on the package.

5 DR. FENNEMA: This committee has been assigned the
6 obligation to deal with scientific issues, and what you are
7 describing is unscientific.

8 DR. JACOBSON: It is up to you decide. That is
9 for each person for decide.

10 DR. FEINLEIB: Dr. Jacobson, yesterday we heard
11 from two pediatricians, Dr. Clish and Czinn, about the
12 usefulness, or potential usefulness, of these olestra
13 products for treating obese adolescents. How does that
14 square with your--

15 DR. BRANDT: Let's be careful. We are not to
16 discuss benefits.

17 DR. FEINLEIB: How does this square with the
18 labeling recommendation you just made that it should be an
19 explicit warning that it should not be used by children.

20 DR. BRANDT: Oh; okay.

21 DR. JACOBSON: The testing on children is paltry.
22 The FDA concluded several years ago that children have
23 gastrointestinal symptoms that are essentially identical to
24 adults and that, therefore, the FDA would not give much
25 weight, if any weight, to the studies on children but would

1 apply the studies on adults to children.

2 Other pediatricians, who are not consultants to
3 Proctor and Gamble, have expressed concern to the FDA about
4 consumption of olestra by children because it depletes
5 nutrients like carotinoids and that it may cause
6 gastrointestinal symptoms.

7 I think even Proctor and Gamble's, or Frito-Lay's,
8 literature suggests that it may not be appropriate to feed
9 olestra to children under two.

10 DR. FEINLEIB: Another question--I think it is
11 both to Proctor and Gamble and Dr. Jacobson--about the use
12 of an asterisk next to either the fat content or to the
13 vitamin content to give it further explanation. Are these
14 consistent recommendations and would they satisfy the needs
15 of either party?

16 DR. TREIBWASSER: The recommendation that we made
17 for asterisking the vitamin content was very consistent with
18 the other NLEA labeling procedures that are already in
19 place. I won't comment on whether it is consistent with Dr.
20 Jacobson's recommendation.

21 DR. JACOBSON: On the vitamins A, D, E and K, I
22 don't think that is an unreasonable suggestion, so that
23 people aren't confused by the addition of those nutrients
24 and what they mean. But just having an asterisk for those
25 four vitamins ignores the loss of carotinoids. That should

1 be stated explicitly on the label so that people who have
2 concerns about potential long-term risks of consuming
3 olestra would be advised and could make a purchasing
4 decision based on that information.

5 DR. BENEDICT: This question is for Dr. Jacobson.
6 It explicitly does not pertain to fat-soluble vitamins. It
7 pertains to the question of symptomatology like abdominal
8 cramping and loose stools. I would like to hear your
9 response to the statement that says, "We do not require
10 labeling of bran. We do not require labeling of psyllium.
11 And we certainly," which I am adding, I am appending, "don't
12 require labeling of things like Slim Fast, known to cause
13 loose stools and some cramping."

14 How would you respond to the fact that labeling,
15 as Proctor and Gamble and Frito-Lay have said, labeling
16 olestra is not in line with what we do with these other
17 items.

18 DR. JACOBSON: I am not an expert on the effects
19 of psyllium, for instance. But, in the Federal Register,
20 the FDA says, "Well, high-fiber diets have been associated
21 with increased gas manifested as belching, flatulence and
22 mild abdominal distention. Diarrhea and staining of
23 underwear have not commonly been reported."

24 The FDA is distinguishing olestra from natural
25 high-fiber foods or diets. There was a previous comment

1 from Dr. Chassy about how people are expecting some laxative
2 effect from--I think bran cereals was the example mentioned,
3 foods like that, whereas potato chips, people don't expect
4 any kind of--all they expect is their tongue to be tickled,
5 no adverse gastrointestinal symptom.

6 As far as sorbitol goes, that has been discussed.
7 I think it might be appropriate to revisit that issue. I
8 wouldn't use that as a benchmark but I would put up a
9 question mark suggesting that maybe we should reexamine that
10 kind of a label and do better studies, try to find out is
11 there a threshold level and so on.

12 We are fortunate that sorbitol and mannitol and
13 xylitol are very rarely used, used in a few dietetic chewing
14 gums and candies, as opposed to a product like potato chips
15 that is consumed in enormous quantity by many, many people.

16 DR. BENEDICT: So, do I understand you to be
17 acknowledging that there is a discrepancy in consistency
18 but, to be coming on the other side, meaning we should
19 revisit the ones that were previously listed as not being
20 labeled.

21 DR. JACOBSON: Some of them. Sorbitol, I think,
22 in particular--

23 DR. BENEDICT: Slim Fast.

24 DR. JACOBSON: I don't know anything about it.
25 I'm sorry.

1 DR. FUKAGAWA: Dr. Jacobson, I was trained as a
2 pediatrician. My understanding is that the issue of fat
3 substitutes and low fat is really for children who are under
4 two years of age because of CNS development and things. I
5 think the broader issue is not so much whether or not it has
6 been proven or disproven that these fat substitutes are
7 unsafe for those who are over the age of two but not quite
8 to the age of consent which would be 18.

9 It is not the issue, I don't think, as much, of
10 using a fat substitute as it is whether or not including
11 foods that contain this are appropriate to have in the food
12 supply for the children. Do you follow me with that? I do
13 think that it is unfair statement for you to say that it
14 should not be used at all in all children.

15 I do agree with the fact that it is under two,
16 that one should not use fat substitutes or low-fat foods.
17 But beyond that, it may, indeed, play an important role in
18 some of the management of issues like obesity in children
19 but a more important, broader issue is the food choices the
20 children do make. I think we do have to instill appropriate
21 selection of foods, not necessarily substituting snack foods
22 for what is considered a nutritionally balanced or well-
23 balanced diet.

24 DR. JACOBSON: I certainly agree with you. We do
25 need more educational programs. In response to your

1 question a half hour ago, Proctor and Gamble discussed their
2 vigorous educational campaign. I think we would be
3 misleading ourselves if we think that is going to be a truly
4 objective educational campaign.

5 They are spending \$100 million on advertising
6 telling everybody that olestra is practically a substance
7 practically squeezed out of soy beans and, therefore, is
8 safe, with television ads. Their campaign among dieticians
9 and other health professionals is completely one sided,
10 obviously.

11 They are not going to talk about certain studies
12 that they don't want to talk about. If that is the
13 educational campaign that we are going to have in place of a
14 label, I think that would be a terrible judgment on the part
15 of the FDA. There is no way for the FDA or independent
16 medical associations, if there are any, to mount a
17 reasonably responsible and intensive ongoing campaign.

18 Look at the top of a Pringles package. It says,
19 "Once you pop, you can't stop," which, I think, is a not so
20 subtle urge to eat the whole can of 6 ounces of chips.

21 DR. FUKAGAWA: I would think, in terms of public
22 interest, it does not also help to continue to negatively
23 slam something. You really don't help, I think, by just
24 bringing up all the things that are wrong. I think both
25 your side, CSPI, and Proctor and Gamble, in many ways, could

1 effectively work together to help educate the public rather
2 than using one side versus the other and making it so
3 adversarial.

4 It is unfortunate that it appears to be that this
5 is the kind of presentations we are having.

6 DR. JACOBSON: And, perhaps, it is. I guess we
7 live in that kind of society where a company can spend
8 \$100 million putting forth its point of view. My
9 organization tries, with its paltry budget--we spend less in
10 a year than P&G spends on advertising in one day--to try to
11 get out some other information.

12 DR. BRANDT: I have promised Dr. Treibwasser two
13 minutes to clarify--oh; Dr. Rulis?

14 DR. RULIS: Thank you. In light of this recent
15 discussion, and because Dr. Jacobson did mention the fecal-
16 parameter study and attribute FDA conclusions, and I know we
17 are not supposed to be talking about "old data," but, for
18 the sake of the record, I wanted to--

19 DR. BRANDT: That is what the FDA says.

20 DR. RULIS: What I would like to do for the sake
21 of the record is just read into the record the statement
22 coming out of the Federal Register in relation to that
23 fecal-parameter study. It covers, essentially, a page in
24 the Federal Register, but I am going to read a sentence
25 here.

1 "FDA notes that there appears to be an increased
2 weight in stools in those subjects reporting diarrhea when
3 eating 20 grams per day olestra." That is not completely
4 accounted for by the presence of olestra in the stools."
5 FDA concludes that, "The results of this study indicate that
6 there is no difference in stool composition, for example
7 water and electrolyte content, between those subjects
8 consuming olestra who reported diarrhea and those who did
9 not." And then there is a reference cited.

10 Thank you.

11 DR. BRANDT: Dr. Treibwasser wishes to give a
12 response to certain charges that they feel questioned their
13 integrity yesterday. So you have two minutes, sir.

14 DR. TREIBWASSER: Thank you very much. Yes, we
15 would like to respond to Dr. Colditz' presentation yesterday
16 which made some suggestions about our carotinoid review.

17 DR. PETERS: In the interest of not being
18 adversarial but, rather, clarificational, perhaps, to coin a
19 new term, I did want to say that, on a personal level, I was
20 really disturbed by the presentation and, on a professional
21 level, scientific level, I was, I guess, more disappointed
22 about the characterization of the review that we did of the
23 carotinoid literature which was characterized by Dr. Colditz
24 on CSPI's behalf as "selective and unscientific."

25 [Slide.]

1 There were accusations of both omission and
2 commission. I just wanted to clarify a couple of things.
3 With respect to accusation of omission, I would first say
4 that our comprehensive literature review that we handed out
5 yesterday was just that. It was comprehensive for the past
6 couple of years, since 1996, as we portrayed it.

7 The executive summary that Dr. Colditz reviewed
8 was clearly identified as a summary and, in fact, on page 30
9 of that summary, it said that the full referenced, complete,
10 comprehensive report was submitted to the FDA and,
11 therefore, would be available to the public.

12 Our comprehensive review cited over 217 references
13 published since 1996, and there were dozens of references
14 that Dr. Colditz mentioned in his presentation. I can tell
15 you that exactly three of those were not included in our
16 review. One of those was a paper that was in the peer-
17 reviewed literature which was talking about carotinoids and
18 carotid artery thickness, not specifically talking about
19 disease.

20 The other two were abstracts which, while they are
21 in the published literature, they are not yet presented to
22 the public. They will be presented at the end of this month
23 at the Society for Epidemiologic Research. The data were
24 not available to look at, so that is why we didn't include
25 it in our review.

1 Finally, we take particular exception to Dr.
2 Colditz' characterization about our looking at the
3 literature that he did discuss. Namely, this would be
4 errors of commission. Let me make one specific example, and
5 I would be happy to provide this slide-by-slide
6 interpretation of his talk if committee members would like.

7 [Slide.]

8 He characterized our assessment of the prostate
9 literature as grossly misleading. He indicated, on this
10 slide, that, the consistency of the data is strong. The
11 implication from this slide is that there are 66 new studies
12 that have indicated that there is protective effect of
13 carotinoids against prostate cancer.

14 I would just point out that he also held up the
15 report from the American Institute for Cancer Research which
16 summarized thousands of references, not just up to 1996 but
17 beyond. I would just make the point that this prestigious
18 body, which he cited as evidence that there is consensus on
19 this issue, reviewed the literature.

20 [Slide.]

21 They found only 14 studies which referred to
22 carotinoids and prostate cancer. Since this is a little bit
23 small, I will just finish by reading the paragraph. "Both
24 increased and decreased risk with higher carotinoid intake
25 have been observed in various studies. Differences in the

1 direction of risk estimates for younger and older men are
2 apparent in several studies, but some studies show decreased
3 risk in other men and others show decreased risk in younger
4 men.

5 The evidence is not more consistent for any
6 particular carotinoid than for other individual carotinoids
7 or for carotinoids as a whole. Based on the inconsistent
8 nature of the available evidence on dietary carotinoids, no
9 judgment is possible.

10 So I just wanted to provide that clarification.
11 As I said, we have further information on each and every
12 slide that was presented and I just wanted to make sure the
13 committee did not go away thinking that, somehow, we had
14 picking and choosing amongst the literature to make
15 particular points. It is comprehensive since 1996 and we
16 are prepared to stand behind that.

17 Thank you.

18 DR. BRANDT: We do have the material.

19 **Committee Discussion**

20 DR. BRANDT: Now, we are down to crunch time,
21 folks. I am now going to go poll the committee. I am going
22 to do it alphabetically with two exceptions and that is,
23 one, I am going to lead off. Okay; three exceptions. One,
24 I am going to lead off. Second, we are going to go to Dr.
25 Fukagawa and then Dr. Askew, both of whom have to leave

1 early.

2 So, addressing the three questions, my conclusion
3 is to question, no. 1 concerning--

4 DR. BLACKBURN: Excuse me. You are a wonderful
5 guy, Ed, but I find it very prejudicial that the chairman of
6 a group would give us his vote first. Not even the Vice
7 President gives his vote until the Senate is finished.

8 DR. BRANDT: I was thinking that you wanted me on
9 the line.

10 DR. BLACKBURN: We want you on the line, but--

11 DR. BRANDT: If you don't want me to go first,
12 that's fine.

13 DR. BLACKBURN: I just find it a little unusual.
14 Why don't you go last.

15 DR. BRANDT: All right. Can I go with the two
16 that have got to leave early?

17 DR. BLACKBURN: Do what you like.

18 DR. BRANDT: Dr. Fukagawa.

19 DR. FUKAGAWA: Therefore, I get put into the
20 position. So, with regard to the first question on passive
21 surveillance and GI effects, I do not believe that there are
22 new significant unanticipated gastrointestinal effects
23 obtained from the passive surveillance reports and that the
24 effects were, indeed, extreme in some individuals but merely
25 troublesome for most of the consumers.

1 However, I do not believe that we have sufficient
2 information to assess longer-term effects which may be
3 detrimental to good health. So that was an editorial
4 comment, I think. And the answer to the first question was
5 no.

6 The second new data obtained from the active
7 surveillance with respect to absorption of fat-soluble
8 vitamins or other lipophilic substances, my conclusion from
9 the information provided was that the data presently
10 available have not demonstrated a significant adverse effect
11 on health due to interference with the absorption of fat-
12 soluble vitamins by snacks containing olestra which contain
13 vitamins A, D, E and K.

14 However, I do think that the data are not
15 available at the present time regarding other lipophilic
16 substances and, more importantly, I think the long-term
17 effects still need to be monitored and the effect of olestra
18 availability on public-health education must be examined for
19 adverse health consequences with respect to what I had been
20 sort of seeming to be harping on which is related to
21 nutrient choices by children when they finally achieve
22 adulthood since, if olestra is thought of as a macronutrient
23 being present in the food supply, I think it is very
24 important that children, especially, who develop their
25 eating habits and food choices in childhood do not continue

1 to view it as a substitute for a macronutrient.

2 This is also important with respect to the
3 prevalence of obesity as we have discussed and heard about
4 earlier. I also do believe that the public deserves choice
5 in the food supply just as I think industry deserve the
6 opportunity to profit from a new development.

7 But I think together both have a societal
8 responsibility to assure that the public is appropriately
9 educated, that a synthetic food designed to alleviate a
10 health problem does not equate or is a substitute for
11 "responsible nutrition."

12 I think that is, in a sense, a thing that we have
13 been tangentially addressing with all of these issues of
14 food substitutes and I think is an important thing for the
15 FDA to consider in its deliberations

16 Finally, with respect to labeling, I believe,
17 after listening to this morning's presentations, that, at a
18 minimum, the labeling of olestra-containing products should
19 not change its content. However, I would recommend that the
20 label be placed on the front of the bag and clearly note
21 that olestra should not be viewed as a means to meet the
22 goal of reducing calories in the food supply or in one's
23 diet.

24 I think it should be used initially as an aid, or
25 I don't know if you have enough room on a label to say

1 something like that, but it could aid in calorie restriction
2 or reduction. However, it should not be viewed as a true
3 means to achieving the healthy 2000 diet of overall
4 decreasing our caloric intake.

5 The GI side effects, as well as interference with
6 vitamins or lipophilic drug absorption, I think, should
7 remain on the label and I do not agree that olestra, as a
8 synthetic substitute for a macronutrient, falls into the
9 same category as fiber or sorbitol, the latter of which is
10 really a sweetener, an additive or an enhancer of foods
11 rather than substituting for a macronutrient issue.

12 I think when more data does become available
13 regarding long-term use, now that olestra is being
14 nationally available, it would be appropriate to reexamine
15 this issue of labeling.

16 Thank you.

17 DR. BRANDT: Are you reasonably comfortable, then,
18 with the laws requirements which say that there is
19 reasonable certainty of no harm?

20 DR. FUKAGAWA: I was just blanking out because I
21 was passing my written word down to Dr. Larsen and I didn't
22 hear what you said.

23 DR. BRANDT: I said are you, therefore,
24 comfortable with the law's requirement with respect to
25 reasonable certainty of no harm?

1 DR. FUKAGAWA: Yes.

2 DR. BRANDT: Yes is the answer. We will now turn
3 to Dr. Askew.

4 DR. ASKEW: Thank you, Mr. Chairman. Having sat
5 through the '95 review, I feel considerably more comfortable
6 since there has been a good deal more research conducted by
7 Proctor and Gamble and I think all of us appreciate the
8 opportunity to view that research and use it to help us make
9 some judgment with regard to the safety of olestra-
10 containing food products.

11 I think that the new data collected by the
12 postmarket surveillance, the passive surveillance, the
13 rechallange test, the Q consumption studies, the home
14 consumption study, are all consistent with the 1995 review
15 that the use of olestra in savory snacks, with reasonable
16 certainty, will result in no harm.

17 I see nothing in this to alarm us further than
18 what we were. In fact, there were some assurances in the
19 data. The new data collected were pretty consistent with
20 the predicted effect of olestra snacks on stool consistency,
21 the frequency of bowel movements, the level of serum-fat
22 soluble vitamins and carotinoids.

23 In other words, olestra snacks seem to be,
24 according to the preliminary data that has been collected--
25 need to continue to be monitored, and I understand that it

1 will be. It seems to be consumed to a great extent not with
2 meals and has, therefore, a relatively negligible effect on
3 serum carotinoids and other lipophilic substances which
4 concern most of us as nutritionists.

5 There has been no new compelling evidence, as near
6 as I can tell, that has emerged since 1996 that has
7 conclusively demonstrated that carotinoids are especially
8 essential to health and the prevention of disease. I still
9 view them as an important class of nutrients which we do not
10 know enough about but I do not see any effect in the new
11 data on olestra consumption in savory snacks on carotinoids
12 or any new data that say that any small effect would be
13 particularly worrisome.

14 So, to get to the questions do I see any
15 significant unanticipated GI effects that are adverse to
16 health in the data that has been presented? No. Do any of
17 the new data indicate significant adverse effects on health
18 due to the interference with the absorption of lipophilic
19 substances? No; there is nothing in the new data that
20 suggests that.

21 Now, with regard to labeling, considering the
22 unusual nature of olestra and especially with respect to its
23 appearance in things such as savory snacks, I do believe
24 that a label should be retained. Perhaps, it can be
25 improved with some wording changes but I do think that the

1 label needs to be on the package.

2 However, I do agree that the average consumer is
3 not interpreting the label correctly and I do support
4 efforts that will, perhaps, improve understanding of the
5 label. I would, personally, like to see a statement on the
6 label that said, "For optimum dietary nutrient absorption,
7 this product should not be consumed with fruits and
8 vegetables, or at the same time." But that is just a
9 personal preference of my own.

10 Thank you.

11 DR. BRANDT: Thank you very much, Dr. Askew. For
12 the two of you who may get out without me noticing it, thank
13 you for being here and for participating and so forth. Have
14 a good and safe flight back.

15 Dr. Applebaum is next.

16 DR. APPLEBAUM: Thank you, Mr. Chairman. Mr.
17 Chairman, I would love to provide my independent scientific
18 opinion on the three questions before the panel but my
19 desire to insure the process and the deliberations and the
20 conclusions of the panel remain above reproach. This desire
21 is greater.

22 Two and a half years ago, I was disappointed that
23 the integrity of several panel members was challenged
24 because they had, at one time or another, consulted with the
25 petitioner, consulted with members, other members, of the

1 food industry. Furthermore, there were scientists that met
2 the gold standards as it relates to the peer-review process,
3 these researchers were challenged simply because the
4 research was supported by the petitioner.

5 These challenges were done to cast aspersions on
6 the process. In view of these past incidents and the fact
7 that I work for the National Food Processors Association, a
8 trade association that is based in science and technical
9 information that represents the food industry, I am
10 concerned that if I were to provide my independent
11 scientific opinion, the potential for it being
12 misinterpreted and the potential for it to adversely impact
13 the process is too large a risk.

14 I respect the integrity and I respect the
15 scientific credibility of the process. More than that, I
16 respect the integrity and the scientific expertise and the
17 opinions of this panel. Consequently, in order to avoid any
18 perceptions of conflict that may adversely impact the
19 process, I respectfully abstain from providing my opinion.

20 Thank you.

21 DR. BRANDT: Thank you, Dr. Applebaum.

22 Dr. Benedict?

23 DR. BENEDICT: First of all, I would like to
24 acknowledge Proctor and Gamble for their cooperation, their
25 diligence, in carrying out these extra studies on a product

1 that was already approved. I would like to recognize Dr.
2 Treibwasser, Dr. Zorich and Dr. Peters for their clarity of
3 presentation of the information that they brought before us.

4 It seems that we have encountered a very
5 organized, a very well-run operation. I would also like to
6 express gratitude--I sound like a politician, don't I? It
7 is my last meeting; all right?--gratitude to CSPI for
8 providing opposing viewpoints in facilitating an opinion
9 discussion and, finally, the FDA for the crispness with
10 which they summarized everything and distilled things down
11 to make it a little easier for us to come to, perhaps, I
12 hope, a more objective opinion.

13 As part of my editorial comments, since I am
14 leaving, I want to express my gratitude I hope on behalf of
15 my fellow graduates to the people at the FDA with whom we
16 have interacted regularly, including Lynn Larsen and Kathy
17 DeRoever and Linda Hayden and Sylvia Washington for
18 facilitating these meetings in an extremely competent way
19 and finally to the chair for my post-graduate education in
20 how to run a meeting which I have already put into
21 application many times.

22 With respect to the comments, A, based on new data
23 or information, are there any significant unanticipated GI
24 effects captured in the passive surveillance reporting, et
25 cetera. It seems to me that the validated symptoms that we

1 have been presented with are similar to those from other
2 foods including bran and psyllium and, in fact, anecdotally
3 to Slim Fast in some people and scientifically the data we
4 were presented with suggests that the background levels of
5 discomfort in the general population were similar to those
6 reported in the passive surveillance.

7 In addition to that, any thoughts of an immune or
8 allergic type response have essentially been removed from my
9 thoughts. So my conclusion is that there is no new
10 indication of symptoms that would cause a problem. However,
11 forgive this phase, my gut feeling is that there may be a
12 very, very minor unrecognized group of individuals who will
13 respond negatively to olestra. I just would encourage
14 Proctor and Gamble to remain alert to that possibility for
15 the future.

16 B, active surveillance, based on the new data,
17 this is the thing dealing with fat-soluble or other
18 lipophilic substances. I confess, I was prepared to make an
19 issue of prescription drugs when I arrived and I was
20 somewhat mollified by being reminded of the '89 estrogen
21 data and by the realization that the number of lipophilic
22 drugs is pretty low and things like cyclosporine are
23 generally administered intravenously.

24 So it is not an issue in my mind any longer, but I
25 would like to request that Proctor and Gamble keep an eye on

1 this in the future, and I am sure you probably will. I
2 would like to emphasize the statements that you have made
3 about physician outreach and dietician outreach and
4 pharmacist outreach. I would like to encourage you to
5 continue along those lines.

6 In regard to fat-soluble vitamins, et cetera, I do
7 recall the statement from the original meeting that we had
8 that if any data appeared to suggest that a carotinoid or
9 any other agent was important, good solid data, Proctor and
10 Gamble mentioned that they would add that as well. And if I
11 look over and see a nodding of heads positively that that is
12 still an operative statement, that if real good data shows
13 up, you will throw that in as well. I am certainly
14 comfortable with this.

15 So I see no significant adverse effect with
16 respect to these fat-soluble things that you haven't already
17 taken care of.

18 The label, C, should the label be changed? First
19 of all, concerning the statement, "fat-free," which we are
20 not supposed to deal with, my feeling is that I am in
21 agreement with Dr. Fennema that it is a lipid. It doesn't
22 seem to me to be a fat. I am fat, but I am not
23 knowledgeable about them.

24 But the operative phrase seems to me to be if a
25 tree falls in the forest and no one is there to hear it, it

1 is not a fat. I can mix anything I want to mix. I favor
2 the suggestion of moving the vitamins to the nutrition panel
3 with an asterisk. And I favor that for the simple reason
4 that I don't want people to be misled into thinking they are
5 going to get these vitamins from ingesting olestra.

6 To say that it is not nutritionally available but
7 it is there seems to me to be the more prudent option.

8 Now we come to my own personal dichotomy that Dr.
9 Clydesdale and I discussed earlier. I won't put words in
10 your mouth. I am of two minds, the scientific mind which, I
11 hope, is the dominant one, says that all the data we have
12 seen suggests the label should be gone because the symptoms
13 are not that different from other things on the market
14 because of a lot of things that have been said.

15 However, I think it is still possible that
16 confusion exists in the minds of consumers now. I think it
17 is unfortunate. I think the reason this happened is because
18 it is due to a lot of negative advertising and, perhaps,
19 misrepresentation of the FDA's position by the press. But,
20 nevertheless, I think that producers have to contend with
21 this, as I stated earlier.

22 I think it was compounded by the fact that we were
23 unable to acquire clean data in the test markets because,
24 perhaps, things were led in certain directions that, had we
25 just been able to test people with no pre-assumptions, we

1 might have found what I consider more solid, more clean
2 data.

3 So I think we still have to deal with it. And so
4 what I would favor is keeping a label for another couple of
5 years because I would like for us to be able to let things
6 reach an equilibrium where the public has a saturation and
7 the public understands what risks are or are not there, and
8 word of mouth will take care of more things than anything
9 else.

10 Removing the label at some later time, I might be
11 able to support once I saw that we had reached an
12 equilibrium. For now, I think the label might best be a
13 combination of No. 4, as listed, which is, "The product
14 contains olestra which has been found safe for consumption
15 by the FDA," combined with part of No. 2 which says,
16 "olestra may cause," and it doesn't say "temporary" but I
17 would insert that from no. 3, "olestra may cause temporary
18 intestinal discomfort or laxative effect."

19 My scientist mode tells me that this is what the
20 data have presented to us. I have this gut feeling that
21 there are some people who need to know that they may have an
22 uncomfortable effect.

23 And I have a soapbox issue that I was going to
24 bring up having to do with symbols that I think the FDA
25 might be able to use, not in this occasion but in other

1 occasions or in the previous occasion where we had this
2 first two years. I still think that a number or some sort
3 of FDA imprimatur on the front of any package saying that--
4 FDA with a 1 on it would say, "This has a benefit for
5 health."

6 FDA with a 2 on it says, "This may benefit you,
7 but we are not sure yet." FDA with a 5 says, "This might
8 kill you." And then the labeling can be on the back and the
9 public can learn what the symbol looks like. I realize
10 there is absolutely no support for this anywhere in the
11 known universe. But since it is my last opportunity to put
12 it into some record somehow somewhere, I have done so, and
13 thank you for your time.

14 DR. BRANDT: Are you comfortable with the
15 statement of reasonable certainty of no harm?

16 DR. BENEDICT: I am comfortable with that
17 statement.

18 DR. BRANDT: Thank you very much.

19 DR. BLACKBURN: I guess I am having the same
20 trouble with the intellectual dissonance as Dr. Fukagawa and
21 Dr. Applebaum and Dr. Benedict have had. I, too, am
22 impressed with the intensity and the devotion and the
23 integrity and the energy of the Proctor and Gamble research
24 team and what they have presented to us in such an effective
25 way.

1 An intellectual dissonance for me is that focus
2 and that integrity and energy in contrast with the
3 commercial pressures and distorted values that are driving
4 the exploitation of this strange product.

5 The dissonance continues for me in that it seems
6 that we are trying to have it both ways, promotion of this
7 product as a significant contribution to healthy eating
8 choices and a health lifestyle in contrast with the
9 promotion of it as a very comfortable, attractive food that
10 can be eaten ad lib. For me, the image of this meeting I
11 will go away with is the image of a group of obese diabetic
12 hypertensive people in the Howard University Diabetes Clinic
13 meeting and agreeing and accepting olestra chips as a
14 desirable choice, a healthy choice, for their management.

15 I think this whole idea that it is part of a
16 healthy choice of a healthy eating pattern is as illusionary
17 as the Proctor and Gamble ads that show this beautiful green
18 and golden sunset across a soybean farm in attempting to
19 assure us that this is a natural product coming from the
20 bounty of nature when it is the most synthetic, most man-
21 made, contrived product that we have ever been exposed to as
22 a mass experiment in the course of human evolution.

23 To get to these questions, I find it very
24 uncomfortable to respond to the very carefully worked out
25 legalese and phrasing of these questions. It not only

1 restricts us, I find it misleads and misdirects us. I find
2 the questions violate a central guideline of FDA in arriving
3 at its rulings of reasonable certainty of no harm which is
4 to consider the whole body of evidence, and there is nothing
5 in there about the whole body of evidence since January 25,
6 1996.

7 It may be appropriate to focus on the new
8 evidence, but certainly not to exclude the whole body of
9 evidence. As Mr. Levitt pointed out yesterday, the wording
10 assumes that we accept the FDA ruling of January '96 as a
11 correct one and this infringes on my rights, having been one
12 of five people who came up with a dissenting opinion.

13 I think that that question is further misleading
14 and restricting in that it refers to undefined significant
15 and unanticipated effects since all the pathophysiologic GI
16 effects of olestra were earlier observed. We are directed
17 to ignore them because now they are anticipated. This is
18 misleading and manipulative in the present form of the
19 question.

20 So if the question 1 were allowed to have other
21 information and simply significant effects without
22 unanticipated effects, I would have no problem with the
23 question. As it is, I have to reject it as misleading and
24 abstain.

25 Question 2 requires that we accept only new data

1 and also that we accept that these data are appropriate and
2 that they are sufficient when, in fact, they are quite
3 inadequate to evaluate the likelihood of harm, of regular
4 use by many people over many years in the mass exposure.

5 It also admits that the essential qualification of
6 potential or possibly significant adverse effects of the
7 lipophilic action. I have to reject that question as
8 misleading and abstain.

9 Question 3, I guess it was opened up a bit that we
10 could suggest more than just factual data to be added to the
11 warning in which case, I would answer no, I would not change
12 the label. I would certainly support an alerting symbol in
13 the front of the package. I guess we are not really here to
14 consider the very interesting point of whether this fat-free
15 labeling is appropriate. I think it is probably as
16 inappropriate as the labeling of "no cholesterol" that has
17 been handled by either FTC or FDA in the presence of
18 cholesterol-elevating hydrogenated fatty acids.

19 But I think fat free is misleading in that sense.
20 So I would say no, I would not change the label as it is and
21 I would like to have some sort of alerting symbol in the
22 front of the package.

23 DR. BRANDT: Thank you very much, Dr. Blackburn.

24 Dr. Blaner?

25 DR. BLANER: I came to this committee as a

1 temporary member and really had no involvement with olestra
2 in the past. I had not even carefully read the literature
3 so my evaluation of the data is really starting from last
4 Friday and basically, from what we have been given.

5 I do have one general concern and I think it has
6 been expressed by everybody. Not knowing long-term what the
7 likely effect of olestra is, and so I would express this
8 concern over ten years, 20 years, 30 years, it is not clear
9 to me but, certainly, from the data which has been presented
10 in the last three days, it seems to me that, based on the
11 new data, there isn't significant data for GI effects.
12 So I would vote no on that question.

13 The second question dealing with new data
14 regarding fat-soluble vitamin or lipophilic substances and
15 their availability, let me express--I do feel a bit, as a
16 scientist who earns my living by doing science, I do feel a
17 bit disturbed by some of the data presentation that,
18 clearly, there is insufficient data with regards to our
19 knowledge of carotinoids.

20 I think for either side to present consensus one
21 way or the other, I think we need to keep our eyes open.
22 Maybe the field is leaning toward carotinoids having no
23 apparent impact besides serving their provitamin A function,
24 but I would urge caution on that.

25 Nevertheless, I saw no data which would make me

1 believe that consumption of chips with olestra would
2 interfere with this. So, again, I would vote no.

3 The third question regarding labeling, I actually
4 do have a problem that the label apparently says, "Olestra
5 will cause abdominal cramps and loose stools." To me, the
6 data I saw did not indicate that olestra causes abdominal
7 cramps. So I believe that, from the data which I was privy
8 to, that is not true. So I would have a slight problem with
9 that statement.

10 I also guess I would agree with Dr. Benedict. I
11 would sort of like to see the fat-soluble vitamins in the
12 asterisk mode. I think that that is appropriate and would,
13 I guess, prefer to see it there. So I think my overall
14 answer to the third question, because of the data I saw
15 about abdominal cramping leads me to say no, I would say
16 that the label should be changed, at least in that respect,
17 and I would prefer to see it changed so the vitamins were
18 asterisked.

19 DR. BRANDT: Can you agree with the statement of
20 reasonable certainty of no harm?

21 DR. BLANER: Yes; I can.

22 DR. BRANDT: Next on the list is me if I know my
23 alphabet. As far as I am concerned, this has been an
24 interesting two days, two-and-a-half days, whatever it has
25 been. I sat through, of course, the last thing in October

1 or whenever it was of '95 when we talked about this
2 material.

3 My answer to the question is no, I have not been
4 provided with any new data that, in any way, suggests any
5 significant change although I agree with Dr. Blaner that I
6 think the abdominal cramping data is encouraging and so on.

7 The second question I would say no, I am not
8 convinced there is scientific agreement on the issue of
9 carotinoids. Whether or not other lipophilic substances may
10 be affected such as medications and so forth, I think,
11 certainly deserve study.

12 With respect to the label, I have to express the
13 same concern I expressed in '95. I think the label is much
14 too strong. I think it prevents people who may have
15 significant gastrointestinal illness from seeking medical
16 help and evaluation. I think the testimony we heard from
17 several people, consumers, certainly suggests to me that
18 they have something that can't be explained by simple
19 consumption of olestra and yet this label suggests to them
20 that that is the explanation.

21 I would say the same thing is true of my
22 colleagues who practice medicine. I think that is also
23 misleading to them. I would prefer, as Dr. Benedict and Dr.
24 Blaner, to accept the asterisks on the nutrition label for
25 the vitamins.

1 I would suggest that, rather than say what it says
2 now about digestive problems, that I would prefer it to read
3 something like this; "There have been reports that ingestion
4 of olestra may be followed by," rather than, "may cause,"
5 because I don't think I have seen any evidence that would
6 suggest or that would be very scientifically conclusive that
7 this causes those symptoms, rather only that it is followed
8 by those symptoms.

9 I am comfortable that there is reasonable
10 certainty of no harm.

11 Dr. Byers.

12 DR. BYERS: Could I ask, just for the record, you
13 failed to ask Dr. Blackburn his reasonable certainty of no
14 harm.

15 DR. BRANDT: Since he declined to answer two of
16 the questions, I wasn't sure what he was going to say.

17 DR. BLACKBURN: No. I would be happy to respond
18 to that.

19 DR. BRANDT: Go ahead.

20 DR. BRANDT: I am not satisfied that there is
21 reasonable certainty of no harm.

22 DR. BRANDT: You are not.

23 DR. BLACKBURN: That's correct.

24 DR. BRANDT: All right, sir. Go ahead.

25 DR. BYERS: My answers to the three questions are

1 no, no and yes. With regard to unanticipated GI effects, I
2 think there have been none demonstrated. I think there are
3 effects and they are mild and they are anticipated and they
4 are really related to dose in a way that we could have
5 anticipated.

6 With regard to the specific wording of the second
7 question which is the second charge to the committee, if I
8 had known prior to my accepting the invitation to be part of
9 this process the narrowness of that question, I would have
10 simply provided my answer in advance and not attended the
11 meeting, in fact, because had we, the day after January 30,
12 1996, immediately enrolled the necessary 50,000 people into
13 the large trial in which they would be eating olestra with
14 all meals and then randomly half would be eating something
15 else that looked like olestra with all meals--had we done
16 that, now, two years later, we still would not be able to
17 answer this question even though that could be the
18 definitive trial eventually because the endpoints of
19 interest, with regard to health, are heart disease, cancer,
20 macular degeneration, conditions which, had we started that
21 trial at that point, we still would not have an answer to
22 the health effects.

23 So that question, as specifically worded, the
24 answer is, obviously, no, we don't have that information at
25 this time. There is, however, an informative study in the

1 last two years that I think is important to consider and
2 that is the carot trial, considered in conjunction with the
3 ATBC in Finland, indicate that, much to our surprise, a
4 substance which we had reasonable confidence of no harm,
5 beta carotene, in fact, is harmful.

6 That is sobering in part for that reason generally
7 but in part, also, because the explanation for this adverse
8 effect on cancer and heart disease of beta carotene in high
9 doses is still unexplained.

10 The hypothetical explanation offered by Dr. Ommen
11 at this meeting that beta carotene in high doses may be
12 metabolized into a pro-oxidant I think is a reasonable
13 hypothesis. I think there is very limited or no direct
14 evidence, however, that that is the explanation at this
15 point.

16 I think the alternative explanation is that high-
17 dose beta carotene might interfere with apoptosis and
18 thereby result in higher cancer rates is reasonable. That
19 doesn't explain the adverse effects on cardiovascular
20 disease, however. So it is a little bit unsettling.

21 I think the list of explanations continues to
22 include the possibility that taking high doses of a single
23 carotenoid somehow interferes with metabolic effects of
24 other similar compounds. That still being a reasonable
25 hypothesis, given all of our ignorance about carotenoids and

1 other lipophilic substances contained in plants and fruits
2 and vegetables, that possibility still being, I think, a
3 reasonable option leads me to conclude that one could, in
4 fact, interpret the result of the carot trial which was
5 published in the last two years as evidence that
6 interference with carotenoids can lead to cancer and heart
7 disease and, in that sense, could be consistent with the
8 larger body of observational epidemiologic studies that
9 include blood-based studies prospectively that indicate that
10 carotenoids seem to lower or are associated with lower risk
11 for heart disease and cancer.

12 So I find that sobering in the context of a
13 national campaign to increase fruit and vegetable
14 consumption and in the context of, in fact, international
15 campaigns to eat more colored foods, naturally colored
16 foods. IN Asia, for instance, they call it "color your
17 plate."

18 The purpose of that is to increase pro-vitamin A
19 carotenoids for vitamin A deficiency. But, in this country,
20 we are emphasizing a fruit and vegetable intake and with
21 much effort have been able to increase intake, I think,
22 importantly but in small amounts, for instance, large trials
23 indicate, perhaps, half a serving per day effects.

24 In the context of this, it is also sobering to me
25 to realize that, in fact, if we eat in technicolor with

1 olestra, we digest it in black and white. Many of the
2 highly colored compounds, the carotenoids, which we continue
3 to have reason to believe are important for chronic disease
4 prevention, are not absorbed with that same meal.

5 I was disappointed that we did not see a
6 presentation of very clear estimates of the proportions of
7 the population who are likely to be regular consumers with
8 meals. The 14 percent figure we looked at yesterday is a
9 population average which includes non-consumers, but I think
10 it is reasonable to conclude that many of the people I know,
11 the teenagers that have grown up in my family, for instance,
12 will be regular consumers with meals.

13 One more comment. I think the postmarketing
14 surveillance system data we looked at yesterday was very
15 reassuring and I think that we have in place now a system
16 that can properly track this. I am a little concerned about
17 the power of the study even though it is large mostly
18 because I didn't see a clear presentation of the proportions
19 of people that would really be very high consumers from
20 that.

21 So I would just encourage Proctor and Gamble and
22 their contractors in the universities to reconsider and make
23 sure that you are adequately powered to look at carotenoid
24 effects with people who are regular consumers with meals.

25 Finally, with regard to the label, where I did

1 answer yes, I think that it is reasonable to make changes.
2 I changes I think would be reasonable would be to remove
3 cramps because, for reasons that you mentioned, I think the
4 best evidence is that there are minor effects on laxation
5 and stool softening. I think that that is the only thing
6 that needs to be on the label.

7 I think that the listing of vitamins A, D, E and
8 K, at that point in the label, is potentially confusing and
9 I think that the suggestion to move it to the other part of
10 the nutrient content label is a reasonable one and I would
11 support that idea.

12 Finally, though, there is an aspect of the label
13 that I think does need to be clarified. As the consumers
14 suggested, they are confused about what "other nutrients"
15 means. I think that we should be specific and to say that
16 olestra-containing foods can interfere with the absorption
17 of nutrients from fruits and vegetables.

18 DR. BRANDT: And reasonable certainty of no harm?

19 DR. BYERS: Based on both the new data and the old
20 data, I do not think that there is reasonable certainty of
21 no harm.

22 DR. BRANDT: Do not; right?

23 DR. BYERS: Right.

24 DR. BRANDT: Dr. Chassy.

25 DR. CHASSY: In the interest of brevity, I will

1 try not to repeat many of the same themes we have heard
2 already. I am in general agreement with most of what we
3 have heard, but I do have three points that I would like to
4 note.

5 One relates to what I would call the need for
6 lifestyle changes in a whole variety of ways that was
7 certainly what Naomi Fukagawa is concerned about. I think
8 CSPI in all of their publications focusses on the need to
9 make wiser diet choices.

10 We have just heard it about carotenoids. Even if
11 we don't know that there is a scientific consensus that
12 carotenoids do specific health-beneficial things, there is
13 certainly enough epidemiological evidence that eating fruits
14 and vegetables are part of a healthier life style, that it
15 is alarming that we have had what Tim Byers just referred to
16 very small changes in the consumption of fruits and
17 vegetables in response to really a massive campaign, which
18 is a worldwide effort.

19 It is very hard to get a population the change its
20 lifestyles. I would suggest there is much more to be gained
21 from education about wise lifestyle and diet and health
22 choices than there is to be relying on a product like
23 olestra. Olestra may be part of the marketplace that we
24 have today.

25 We have a system of regulation, a system of laws.

1 This committee is part of it, the way the regulations play
2 out. I, in a way, begrudge Proctor and Gamble the right to
3 be developing products and putting them on the market. That
4 is just how we operated. And it is certainly not their
5 responsibility solely to change the lifestyles of the
6 American public.

7 In fact, I think they would argue, correctly, that
8 they are giving people an intermediate choice and they see
9 their product as part of a larger dietary lifestyle context
10 but only one part. I think they are very clear about that.
11 But I would much rather be focussing on getting people to
12 get two or three helpings of fruits and vegetables a day
13 and, especially, with young children, getting them to make a
14 choice not for a potato chip but for a healthier diet.

15 That having been said, we do have the issue at
16 hand of what to do within the context of the present system
17 in which we operate. I am going to go to the three specific
18 questions in a moment, but I have to make a comment about
19 labels. This committee has, in another context, been
20 looking at labeling.

21 FDA, of course, has devoted a great deal of effort
22 to labeling. Some of the studies that they have done
23 themselves, Dr. Levitt and others in FDA, have addressed in
24 another context the issue of what consumers do with labels,
25 what they learn from labels.

1 Without trying to summarize out of context the
2 data from that study, I am distressed that we would try to
3 educate a consumer on a label at this point. Consumers, as
4 we have heard, do not uniformly read labels. And, if they
5 do read them, they don't necessarily understand the meaning
6 of the label.

7 We need a massive educational campaign about what
8 olestra is and what it isn't and, hopefully, that will
9 unfold with time and experience. But we are not going to do
10 it with a label, no matter what we decide to put there,
11 where we decide to put it. Even if we agreed, for example,
12 completely with the content of what Dr. Jacobson suggested
13 for a label, I can guarantee you that studies show that
14 nobody would read a label that long.

15 It is just not going to happen. In fact, if
16 anything, the studies show that shorter labels are better
17 understood. So I think the issue of labeling, to me,
18 relates very much to the issue of lifestyle changes. It is
19 an educational challenge that we are not going to satisfy on
20 a potato chip package.

21 I guess the other interesting thing, as the
22 olestra approval process has unfolded--interesting to me
23 and, I think, others because we never have talked about it
24 very much as a society is the level of gastrointestinal
25 distress which we all seem to suffer as part of the human

1 condition but haven't chosen to share with one another.

2 But I think we do it with great dignity in this
3 committee. I went home after the first hearing and my wife
4 asked me what we talked about and I told her what we talked
5 about for two and a half days.

6 I think you should recognize, we all should
7 recognize, that it is extremely difficult to collect
8 reliable data about what olestra does and doesn't do against
9 that background and that it clearly points to a need for a
10 great deal more research to be directed at gastrointestinal
11 conditions of humans.

12 We have clearly not paid as much attention to this
13 as we need to. But it makes it very difficult to pull out
14 of the data, to tease out of the data, what we can attribute
15 to olestra. So let me get to the first point about passive
16 surveillance.

17 I see no evidence of any cause-and-effect
18 relationship in the passive surveillance data. In fact, I
19 see a lot of what we call in logic "post hoc fallacies."
20 Just because you get sick after you eat an olestra-
21 containing product along with maybe three days of other food
22 products and other medical conditions and the possibility of
23 food-borne illness and all the other things that could have
24 caused the condition, I think it is really a jump in logic
25 to say that it was because you ate olestra that you got

1 sick.

2 It is, however, a very good departure point to
3 investigate whether olestra was related with that specific
4 episode. As we all understand, we can't tell whether that
5 episode was caused by olestra but we can take that person
6 and use them as a subject because they may be a very good
7 indicator or marker for sensitivity to olestra.

8 I would encourage Proctor and Gamble, if we could
9 require them, to continue rechallange studies. I, like Dr.
10 Jacobson, was concerned that the size of those samples are
11 really not big enough to draw any solid conclusions from.
12 They point in the right direction. I am not at all troubled
13 by what I have seen. I think what we have seen is about
14 what we expected, but we need a lot more "n" to be able to
15 make conclusions that olestra has only the anticipated level
16 of not so severe kinds of symptoms, those symptoms that we
17 considered not harmful.

18 I guess I would answer that question as no. I
19 think we would have anticipated what we've seen. We need
20 considerably more studies. I do think the passive
21 surveillance system is set up to do that except that it
22 needs more cases.

23 Turning to the carotenoid issue, I think it was
24 amply demonstrated that there is not a consensus of
25 scientific opinion about carotenoids and, as we have heard,

1 it is going to be a long time before, with these particular
2 markers, we can tell whether there was any effect of
3 lowering carotenoids.

4 Again, if you ate another vegetable a day, you
5 would be much better off whether you are eating olestra or
6 not, so I am not concerned that we have seen anything that
7 would cause us to change our opinion about fat-soluble
8 vitamins and carotenoids.

9 As we move to labeling, I think Dr. Jacobson's
10 point about fat points to the novelty of dealing with a
11 macro food additive for the first time. My interpretation
12 of that is that fat is an acylglycerol, as Dr. Fennema
13 pointed out. But I add something to it. It is one which
14 can be metabolized because what we have on the nutrition
15 fact statement is a nutrition analysis, not a biochemical or
16 chemical analysis of the product.

17 That nutrition label isn't a contents statement.
18 From a nutrition point of view, there is no fat in this
19 product. Nonetheless, what Dr. Jacobson pointed out is
20 absolutely correct. It also is a tube full of stuff that
21 the consumer has no way of knowing is in there unless they
22 understand what olestra is and that it is a significant
23 portion of that product. That is the paradox of this kind
24 of product.

25 I favor putting asterisks on the vitamins and

1 putting them in the ingredient declaration. They are simply
2 ingredients from which you can derive no nutritional
3 benefit.

4 Objectively, I can see no reason to have a caution
5 label or a notice on olestra from everything I have heard.
6 I, like Steve Benedict, subjectively feel like it is too
7 early to take the label off but that is an emotional
8 opinion. I don't feel that anything we have seen really
9 justifies it.

10 In fact, besides the fact that it is ignored, I am
11 afraid it is confusing more people and it is maybe
12 confounding people about the source of their illness and
13 that it is likely to do more harm than good. I would not be
14 at all distressed if the FDA took the label off. So I guess
15 yes is my answer to the third question and I do have a
16 reasonable certainty that no harm will result from the use
17 intended.

18 DR. BRANDT: Dr. Clancy?

19 DR. CLANCY: Yes. I will just go through the
20 three responses and then I am going to take the same
21 prerogative that Steve did to make a departing statement.

22 On the first one, I find myself immediately going
23 to giving my response within the parameters of a public-
24 health priority setting framework which is what I teach and
25 how I think. I think that we have definitely some greater

1 surety that for the majority of users, there would appear to
2 be no significant adverse effect from the consumption of
3 olestra. Significant and adverse are both important there.

4 Although I find it odd, and I have been constantly
5 thinking about this, that FDA has approved the addition of a
6 stool softener to the food supply in the form of a snack
7 food. That seems somewhat inappropriate to me.

8 And I was also, along that line, dismayed by the
9 testimonials given yesterday, I think, in most cases
10 unwittingly and I think, in some cases, wittingly, that we
11 talked about the benefits of a food additive when we really
12 should, at least some of those physicians should, have been
13 aware that we should only be talking about the benefits of
14 the drug unless they were suggesting that we would be
15 thinking about olestra as a drug.

16 I don't believe anybody was, but the language
17 would lead us, legally, to that conclusion. So, for the
18 majority of people, I think we can say there is no
19 significant adverse effect, just loose stools which they
20 should be told about.

21 On the other hand, in a very small percentage of
22 the population, and we have no idea what that percentage is,
23 I believe that there is strong evidence that that could be
24 that there are significant adverse effects. In that case, I
25 would still maintain that there is not a reasonable

1 certainty of no harm with regard to the GI effects of this
2 product.

3 I understand that the public policy compromise, in
4 terms of these two populations, is the label, is the
5 labeling. It makes the labeling very critical then. Given
6 my position, the label becomes very critical, that some kind
7 of statement be on the label that makes it possible for that
8 second group, even if it is quite small, to be able to have
9 some information, a warning--it is not a warning if they
10 don't read it and apparently many of them don't--but at
11 least some information post facto to help them determine
12 what they want to do.

13 With regard to the second charge and my response,
14 I am going to repeat this again and I just think it is very
15 critical, particularly, again, legally. Olestra is an
16 unsafe food additive. Everybody acknowledges this. Proctor
17 and Gamble acknowledges this.

18 It is the conditions of use that have made it
19 safe, not olestra, per se. It is unsafe because it
20 eliminates fat-soluble vitamins from the GI tract. Let me
21 read this statement from the Federal Register notice where
22 FDA stated, "The agency has not previously approved an
23 additive which interferes with the absorption of vitamins to
24 a degree that necessitates requiring that foods containing
25 the additive be compensated with such vitamins to mitigate

1 the effects."

2 I stated, in 1995, and I still believe, that this
3 was a very bad precedent on the part of the agency. But
4 they have, in fact, set this precedent. New studies, within
5 that framework, show that, as expected, the laws of physics
6 and chemistry have maintained, thank goodness, in the last
7 two-and-a-half years, there is no interference, in that
8 sense, with the absorption of fat-soluble vitamins because
9 of the compensation.

10 It worked. And I was very glad to see that it
11 worked. But I feel that particularly as the public might
12 become more sophisticated, and I am going to a point that
13 several other people have made, maybe, in some number of
14 years, there will be enough information that you do not have
15 to provide the material regarding the interference with
16 nutrients I am going to talk about with the label.

17 But I have a very different response to
18 carotenoids. I feel very strongly that the science is too
19 young, my way of saying what other people have said, and
20 very much so because a lot of confounding of the fact that
21 seemed appropriate--I mean, this is how science works--that
22 people ran with including somebody as respected as Gil Ommen
23 ran with beta carotene, moved into that trial.

24 But I think it is critical, again, that we not
25 forget that that was beta carotene given in isolation from

1 foods, given in moderately large doses but given in
2 isolation from foods. I see the carotenoid discussion as
3 being quite critical in making sure that our hubris quotient
4 stays down a lot, that we be very careful about how few
5 studies we accept in particular areas, particularly those
6 that are really matters, in some cases, of quite severe
7 possible health risk.

8 So I see, on that, that we need to be very
9 prudent. So, in fact, the new evidence that I do believe we
10 were presented, and I feel, was a greater ambiguity about
11 the issue of carotenoids because, in fact, we got more
12 surety about what happens when you feed beta carotene but we
13 haven't done this with the other carotenoids, in isolation
14 from foods and in fairly large amounts.

15 On the third question, I feel that, in fact,
16 again, in terms of public policy and in terms of science,
17 that the aspartame precedent is a much better precedent than
18 psyllium or bran fiber for reasons that other people have
19 stated but not in this context.

20 I don't believe that there is any evidence that we
21 have been given to dismiss the real probability that some
22 people might have a sensitivity to olestra. Again, that
23 goes back to a very new food product and a young science. I
24 feel that, because of this, there has to be a label
25 statement to warn consumers particularly because we have--

1 again, I don't want to repeat what Dr. Byers said, what Dr.
2 Blackburn said; this is a very new product and this is
3 really a major experiment--that we need to make sure that
4 people have a way of knowing that this could exist.

5 Given my concerns about the food additive olestra
6 above, I still support the label statement on nutrients as
7 it exists now. I could not support the asterisk option,
8 especially because I thought I remember now, and I could be
9 wrong, that the statement that you were proposing was not
10 nutritionally significant.

11 I think that is quite misleading. The statement
12 could say factually that they are nutritionally not
13 available, which I think would not be misleading in the
14 sense that nutritionally not significant would be
15 misleading.

16 I do feel that, in some way, the carotenoids and
17 other lipophilic substances must be somehow incorporated
18 into a cautionary label. It is up to FDA to find the
19 statement that is not misleading. I think we should give
20 ourselves a little credit. It is not surprising that it has
21 been very hard for all of us, including Proctor and Gamble,
22 to decide on the right wording for this label.

23 We have never tried to do anything like this
24 before. But, because of that, it puts quite a burden on us--
25 -I will leave aside the educational question--to work on

1 label statements that are not misleading. I am not saying
2 that it is going to be easy, but I think that is the
3 challenge, not to say take it off the label, but to let's
4 work on statements that will not be misleading.

5 My only other comment would be that I do believe,
6 from all the studies and what Dr. Byers was saying, the
7 possibility of moderation, but there should be, quite
8 appropriately, on this food but I could say this on many
9 other foods, that there be a statement about moderation.

10 Susan used the word "excessive consumption"
11 sometimes. But as I translate that into the label
12 statement, it would be something about moderation.

13 I would just like to make one other statement. As
14 I sat here at my last meeting, again, and coming out of my
15 background in teaching public policy and being engaged now
16 in a full-time public-policy project, that I am incredibly
17 struck by the imbalance in resources that exists in the
18 society for debating these issues.

19 I am incredibly impressed with what Proctor and
20 Gamble was able to bring to us but know that they have
21 enormous resources to do that with. I am sorry that there
22 is only one consumer organization that has been in a
23 position to take on the discussion of this incredibly
24 important new food additive in the food supply.

25 I think CSPI has done an admirable job in that

1 position without the resources that the other side has had.
2 I really wish there was a way of improving these debates. I
3 wish there was a way of having a broader continuum of
4 participants in the debate. I wish there was a way of
5 providing resources to more people besides just petitioners
6 to participate in this debates.

7 I would just leave that to the committee as I go
8 off.

9 DR. BRANDT: And reasonable certainty of no harm,
10 please?

11 DR. CLANCY: No; I do not believe there is a
12 reasonable certainty of no harm.

13 DR. BRANDT: Dr. Clydesdale?

14 DR. CLYDESDALE: First I would like to thank
15 Proctor and Gamble for the scientific studies they have
16 performed and for the evidence they brought to us and
17 commend them on the amount of work that they have done in
18 the last two-and-a-half years. I would also like to thank
19 CSPI and Dr. Jacobson for raising issues that must be raised
20 and for insuring that we look under every rock and see what
21 is there.

22 I would also like to thank, although they are not
23 here, the public who came and gave testimony and I think
24 enlightened us as to the cross section of the public that is
25 out there that eats the food that we provide.

1 Going off the committee, I would also like to
2 thank everyone. We did nominate Dr. Benedict as our poet
3 laureate. So I won't be as eloquent, but I would like to
4 thank everyone. He was our poet laureate and Dr. Wang was
5 our social organizer. And Dr. Brandt, I am not quite sure
6 how to characterize that contribution, but it has been a
7 wonderful experience.

8 And I would like to thank all the staff, in
9 particular, at FDA who have really made a chore rather an
10 enjoyable chore.

11 The new data from the surveillance report combined
12 with the results from the rechallange study provided
13 reassuring evidence that there were no significant new
14 unanticipated GI effects. This conclusion was further
15 advanced by the understanding provided in the stool-
16 composition study, the acute-consumption study and the six-
17 week consumption study.

18 Although several interesting interpretations of
19 the data were suggested, none of these dramatically changed
20 the overall conclusions of these studies nor those put in
21 the original proposal.

22 Anecdotal accounts and speculation were
23 interesting but somewhat irrelevant in the face of the
24 science provided. Therefore, I concluded that there were
25 not any significant new unanticipated GI effects that could

1 be attributed to the ingestion of olestra that are adverse
2 to health.

3 A review of the published peer-review literature
4 along with preliminary results from the first year of the
5 active-surveillance study indicated little reason to be
6 concerned with the health effects of olestra on fat-soluble
7 vitamins and other lipophilic substances

8 Although speculation exists among scientists
9 concerning the health effects of carotenoids, the scientific
10 foundation to support this speculation is not available in
11 the literature at the present time. However, speculation
12 does exist and was indicated earlier. It is a young science
13 but the fact that only some 24 percent of all snacks are
14 eaten within one hour of meals, the evidence from the
15 lipophilic partition coefficients of many carotenoids and
16 the lack of evidence of inhibition in the active-
17 surveillance study provides some comfort assessing the
18 inhibition of absorption of these compounds while
19 fortification of the fat-soluble vitamins compensates for
20 any interference of their absorption.

21 Although I am most interested in seeing the
22 active-surveillance results in the future from groups
23 consuming larger amounts of olestra along with data on
24 carotenoids and macular degeneration and other possible
25 effects, I conclude that new data provided to the committee

1 does not show that the consumption of olestra-containing
2 savory snacks has a significant adverse effect on health due
3 to interference of absorption of fat-soluble vitamins or
4 other lipophilic substances.

5 On the labeling issue, in light of the new data, I
6 feel that the label of olestra-containing products should be
7 modified. As Dr. Benedict indicated in our discussions,
8 this is not based solely on the scientific evidence but
9 because I think there is confusion in the mind of the
10 consumer and possibly confusion in my mind.

11 The data clearly differentiates effects of
12 olestra, if any, from warning labels on other foods. I
13 think that is clear. Further, the effects on high levels
14 are not more serious than some other foods and food
15 components. This combined with the confusion of the
16 consumer and possible misdiagnosis of GI effects demands
17 some changes to clarify that this is an information label
18 and not a warning label in the same sense as used on other
19 foods.

20 I feel that the nutrient asterisk on the
21 ingredient label for the nutrients is an excellent
22 suggestion. What that asterisk refers to, I think, should
23 be discussed between Proctor and Gamble and FDA and others,
24 the particular wording.

25 The label of the GI effects should be modified

1 after study by the FDA and P&G, as noted previously. I
2 believe that the possibility of removing the label entirely
3 should be revisited within the next two years dependent on
4 the weight of the evidence at that time.

5 Thank you, Dr. Brandt.

6 DR. BRANDT: How about reasonable certainty of no
7 harm?

8 DR. CLYDESDALE: I feel that there is reasonable
9 certainty of no harm.

10 DR. BRANDT: Dr. Feinleib?

11 DR. FEINLEIB: Thank you, Mr. Chairman. I would
12 like to reiterate the thanks and acknowledgments of the
13 previous presenters. I think this has been a very
14 interesting and energizing meeting. I have learned a lot,
15 have found a number of exercises for post-graduate students
16 and I think I will walk away enriched in that sense.

17 First, some comments. Olestra has been in the
18 developmental phase for approximately 25 years and I am a
19 little bit surprised at, in a sense, the sparsity of
20 information that is actually available and, even more so,
21 the sparsity of any explanatory analyses of what somebody's
22 relationship should be.

23 I hope that this situation will be improved in the
24 future and that extensive follow up will be conducted. I
25 will come back to that in just a little bit. But, in terms

1 of the charges, one thing I think I got out of some of the
2 analyses of the FDA staff is that we can now estimate
3 quantitatively that eating olestra savory snack chips raises
4 the risk of certain GI symptoms on the day of consumption by
5 a measurable amount.

6 This amount is on the order of 1 percent in
7 absolute terms, the attributable risk, or about 30 percent
8 in terms of relative risk. In the charge, though, in the
9 question as stated, I have to accept the FDA's decision of
10 two-and-a-half years ago that the kind of GI symptoms
11 described were not defined as adverse health consequences.

12 I am not completely satisfied with this but I will
13 abide by the FDA's previous decision.

14 One of the things that is lacking in any model
15 that I was able to conceptualize here was how many people
16 might be impacted on this because, although these might be
17 of very minor significance in an individual, when they are
18 multiplied by a potential group of people at risk of the
19 order of 20 or 50 million, something like that, that is a
20 lot of excess GI symptoms during the course of a year. In
21 cumulative amount, it may be a great inconvenience to the
22 country and its general well-being.

23 In terms of active surveillance, I think we have
24 gotten evidence that the current levels of fortification of
25 vitamins A, D, E and K, as Dr. Clancy said, are adequate to

1 avoid the problems that were identified or suspected
2 previously. So, in that sense, I think that new data
3 confirm the intentions that the advisory committee was
4 worried about last time.

5 I think the information on carotenoids, age-
6 related macular degeneration, is very weak and does not
7 really contribute or advance our knowledge much further. In
8 this regard, I think it is essential that we implement now
9 some long-term surveillance studies so that may be of the
10 order of magnitude of 25 years from now, we can go back and
11 say, "What have been the long-term effects?"

12 I think it is essential to make sure that large-
13 scale studies such as the National Health and Nutrition
14 Examination Survey contain detailed information gathered
15 about now on how many people are eating olestra-containing
16 foods and that this be tracked on a continuous basis and
17 that such a survey might have the resources to look back
18 20 years or so from now to see what the outcomes were among
19 those people who were consuming such foods.

20 I think that the question of carotenoids will be
21 with us for another generation or so and that this type of
22 information might be useful at that time.

23 With regard to labeling, I think I am about as
24 confused as many other members of the committee. I think we
25 have all sat in the movie house and seen a screen come up

1 that says, "Note the nearest exit. In case of fire, proceed
2 to the nearest exit. This notice is required by law."

3 I never understood what the last sentence was for.
4 I thought the first two sentences were pretty self
5 explanatory, but why they warn us that it is only there
6 because it is required by law, I never understood.

7 I am not sure what the impact of the labeling
8 message is in this context. Is it supposed to be an
9 announcement, "If you see this label, do not buy this
10 product?" Or is it supposed to be an announcement, "If yo
11 use this label, think twice about buying this product?" Or
12 is it, "Read this label to learn more about good nutrition,"
13 or something like that?

14 I don't know what message is being conveyed by
15 having that label there. I think the suggestion for
16 asterisks is a very good one and I think FDA could modify it
17 sufficiently that it would be clear to most people who do
18 read such labels.

19 But, right now, I am leaning in the direction,
20 much to my own surprise, of removing the warning label
21 altogether, sharing some of the concerns that, sure, if you
22 get the indigestion, or whatever, don't worry about it, it
23 will go away in the morning and it is only due to the
24 olestra. I don't think that is what I want a label to tell
25 me. So I, at the moment, would opt for not having that

1 label.

2 Finally, I think on the basis of the current
3 evidence, there is reasonable certainty of no harm but that
4 this should be reviewed several decades from now.

5 DR. BRANDT: Dr. Fennema?

6 DR. FENNEMA: Thank you. I, too, appreciate the
7 great amount of information, good information, that has been
8 presented to this committee over the last couple of days.
9 That represents a huge effort and a lot of dollars expended
10 in the hope and desire of gaining a maximum amount of
11 information about olestra.

12 So, with respect to first question, my answer is
13 no based on normal conditions of use. So I put a
14 contingency on that. For the second question, with respect
15 to vitamins and how that is being handled, I have no
16 concerns whatsoever about the fat-soluble vitamins.

17 The carotenoid issue, I am in line with, pretty
18 much, what everybody else has said. The scientific data
19 there is simply not sufficiently convincing at this time for
20 Proctor and Gamble to take any kind of action with respect
21 to carotenoids. We don't know which carotenoids are
22 essential, if any are. And we don't know what
23 concentrations are essential, if, in fact, any of them are,
24 that are required in the diet.

25 Until we get that information, there is simply

1 nothing that can be done by Proctor and Gamble to supplement
2 olestra with carotenoid ingredients. So no action is
3 deserved there. So my answer to the second question is no.

4 My answer to the third question is yes, and I have
5 a great deal more to say about that. First of all, I have
6 no concern about consumption of olestra products at usual
7 levels which would carry us up through the 90th percentile
8 and, perhaps, even higher than that.

9 But, based on many things that have been said here
10 during this meeting, I have increased concern about the
11 severity of the effects in individuals which are consuming
12 very high levels of olestra. These clearly would have to be
13 deemed as unusual and improbable, but they are certainly
14 possible. And I am talking about individuals who would
15 consume greater than 20 grams of olestra over a period of
16 several days.

17 There is evidence here of severe effects. And I
18 mean they are truly very, very severe and something that
19 troubles me, that any section of the population could get
20 into a situation of encountering those kinds of effects.

21 So I think this warrants some sort of
22 acknowledgment and treatment. This brings me to the label
23 and what changes I might suggest on the label. First of
24 all, I do favor retaining the information statement that is
25 on the label. I would suggest along the lines of some of

1 the remarks I have already made a somewhat modified GI
2 statement.

3 I am not sure that what I have to say is the final
4 wording that you would want to use, but I am offering it as
5 a suggestion; something like, "Olestra has no significant
6 adverse effects under normal conditions of use but may cause
7 abdominal cramping and loose stools when olestra potato
8 chips," this is a product-specific kind of a statement, "are
9 consumed in excess of 2 ounces per day."

10 This would have to be tailored to each of the
11 products and some thought would have to be given as to where
12 that level would be. But that is a level of consumption
13 that is far beyond anything that you have encountered, that
14 Proctor and Gamble has encountered in any of their
15 households studies or surveys of this.

16 But, nonetheless, it is a level conceivable that
17 somebody, particularly a teenager, could find himself or
18 herself consuming over a long period of time and could
19 result in very severe consequences. So I would suggest
20 something along those lines for a revised statement.

21 Now, this kind of an approach does indeed, which
22 has been suggested, depart from FDA's treatment of other
23 sorts of ingredients such sorbitol, but it seems possible to
24 me that FDA's approach to sorbitol is wrong and this new
25 approach may be correct. I think FDA needs to rethink this

1 issue.

2 It is important, I think especially important,
3 with respect to olestra because, first of all, it is not
4 only a food additive, by legal definition, it is also a
5 macronutrient of a sort which potentially can be consumed at
6 quite a high level in the diet.

7 These kinds of food additives are new for FDA.
8 They are new for the public. They are new for regulatory
9 agencies to deal with. I think we need to be very, very
10 careful on how we approach this and how the regulatory
11 framework is put together for a substance of this kind
12 because we are setting precedence for other
13 macroingredients, food-additive macroingredients, which are
14 going to come on the scene, no doubt, in future years.

15 So all of that needs to go into consideration of
16 how these statements are made and not necessarily giving
17 very much consideration to how things have been done in the
18 past.

19 The vitamin statement on the label with respect to
20 A, D, E and K, I favor that asterisk approach in putting it
21 into the nutritional label with an appropriate statement for
22 those because that issue, in my judgment, has been very
23 carefully taken care of and imposes no problem to anyone any
24 longer.

25 I also favor having the 800 number put on this

1 information statement. That is a relatively small matter.
2 I think that should be done. Finally, what I am saying
3 applies to the here and now. I think this is a dynamic
4 situation which should be revisited as more data are
5 collected and, in a year or two or three or four, it may,
6 indeed, be possible that we have no need for an information
7 statement to be on a product of that kind, but that will
8 depend, in my judgment, on the data that is collected over
9 the next few years.

10 Thank you.

11 DR. BRANDT: Reasonable certainty of no harm?

12 DR. FENNEMA: I agree with it; no reasonable
13 certainty of harm. We have reasonable certainty of no harm.

14 DR. BRANDT: Thank you, sir.

15 Dr. Harlander?

16 DR. HARLANDER: As one of the graduating members
17 of this, I would like to make a statement, also. It has
18 become profoundly clear to me the complexity of the issues
19 that face the FDA as a result of participating on this
20 committee. As a non-voting member, I am an industry member,
21 I would really strongly encourage FDA to continue to include
22 representatives from the regulated industry, the food
23 industry, on these panels.

24 I would like to thank both Land o' Lakes and the
25 Pillsbury Company for their encouragement for me to stay

1 involved in this committee, recognizing that statements are
2 going to be made that might be attributed to them, even
3 though they are my personal comments only. It has been a
4 very enlightening experience for me.

5 I was also struck last night as I was thinking
6 about and preparing statements for today how little we
7 actually know about the chemical structure, the
8 bioavailability, the impact of other nutrients or the impact
9 on bowel function for a lot of the things that we consume in
10 our diet, not just new food additives like olestra.

11 In fact, I feel like I know more about olestra
12 than I know about fiber right now and I am actively trying
13 to include fiber in my diet. Few of those components
14 contain warning labels. Most of us have figured out by now
15 what causes these effects--I know, in myself--and what
16 effect they have on our GI tracts.

17 I have a little statement hanging in my bedroom
18 that says, "Mirror, mirror, on the wall. I am my mother
19 after all." I have told my children, "Please shoot me if I
20 ever talk as much about bowel function as my mother does."
21 Now, I understand that there is a huge percentage of the
22 population that has a lot of interest and concern about
23 this.

24 It is interesting to talk about these things. And
25 it is interesting for us to understand them. And I really

1 applaud P&G for their responsible follow up on all of the
2 data that they have brought to us.

3 I would guess if we added up how much they have
4 actually spent in funding, it would more than the federal
5 government spent on nutrition research in the last couple of
6 years. I think a very paltry amount is spent on
7 understanding things that are so basic to all of us. Even
8 though statements have been made about the enormous
9 resources that food companies have, as a representative of a
10 food company, I can tell you that those dollars are coming
11 from somewhere and it is extremely expensive.

12 The other thing that I would share is, as a
13 representative of industry, we have a 1-800 number on all of
14 our products at the Pillsbury Company, also. For those of
15 you that are not familiar with getting those, I read those
16 on a regular basis. We tape record consumers and we listen
17 to the passion with which they talk about our products.

18 For 30 percent of the comments received by P&G
19 being positive comments and, in light of some of the
20 comments we heard from consumers, a set of consumers want
21 these products. The food industry is a consumer-drive
22 industry.

23 It was painfully clear to me when I joined the
24 food industry that I am not a consumer of all my products.
25 I produce a lot of products, and the Pillsbury Company

1 produces a lot of products I do not consume. But we produce
2 them because there are a set of consumers out there that are
3 demanding and wanting these products. The food industry is
4 responding to that demand.

5 I also want to applaud P&G for including very many
6 well-respected academic experts who were asked to
7 independently evaluate the results of their passive and
8 active surveillance studies. I think it is extremely
9 important. And it is a way to insure that the information
10 that we are receiving is nonbiased and examined by people
11 that the public and those of us that are on this committee
12 and at FDA respect greatly.

13 So those are my general comments. Now I would
14 like to answer the questions. The answer to question No. 1
15 is no, no significant unanticipated GI effects were captured
16 in the studies that we have seen that are adverse to health.
17 I think the results are predictable based on the chemical
18 properties of olestra and that would should really recognize
19 that there is a big difference between inconvenience and
20 harm.

21 Inconvenience is in the eye of the beholder.
22 Softer stools, for many of the people my age and older, are
23 a blessing, not an inconvenience. The rechallange, to me, I
24 would like to see those continued because I think it will
25 give us even more confidence around the impact, the GI

1 impact, of this on health.

2 With respect to No. 2, new data does not show that
3 consumption of olestra snacks has an adverse effect on
4 health due to interference with absorption of fat-soluble
5 vitamins or other lipophilic substances. I think it is
6 prudent to continue the active surveillance study and it is
7 prudent to monitor the literature and consider fortification
8 of olestra if and when carotenoids receive significant
9 scientific agreement that warrants addition.

10 I do encourage us to monitor the vitamin K,
11 though, to determine if fortification levels should be
12 reduced in the future.

13 With regard to labeling, It was very revealing to
14 me, as we participated and discussed on keystone, some of
15 FDA's own data on consumer testing of consumers'
16 understanding of labels. One thing that I think, despite
17 all of the education that we have had on labels, consumers
18 believe that the front panel of the food label is controlled
19 by food companies despite the fact that FDA controls the
20 entire food label.

21 So, in terms of consumer understanding, they would
22 rather see statements on the nutrition panel which they
23 believe is controlled by FDA. So I don't know that we
24 necessarily want to move that label to the front of the
25 package if we are going to maintain the label.

1 In the consumer testing that has been done so far,
2 I don't think enough label options have been explored with
3 consumers. There is clearly a tremendous amount of
4 confusion and I do believe the label does need to be
5 changed.

6 We have to have labels that are meaningful to
7 consumers and the only way we are going to find that out is
8 to go and talk to consumers. Again, I will say, we are not
9 the consumers, necessarily, of the products that we are
10 talking about. So I would hope that we would not put our
11 own biases on to what is meaningful to consumers, that we
12 actively go out and explore what options are meaningful to
13 consumers.

14 I do believe that the vitamins should be
15 asterisked on the label in the future. I think that that
16 was a good suggestion. I would really like us to modify the
17 statements that refer to the GI effects because, as we have
18 seen, the real experience has not reflected that.

19 I am not going to provide possible labeling
20 statements, but I think something about olestra causing
21 digestive effects under exaggerated usage would be more
22 amenable to me if, in fact, a label is even needed. I am in
23 the same camp as Steve and Ferg on this one. My gut tells
24 me we should take the label off and just let people know, in
25 the ingredient statement, that olestra is present.

1 But I just have this little "oooh" that tells me
2 maybe consumers aren't ready for that yet and that we
3 revisit this labeling issue again in a couple of years. But
4 my gut feeling tells me would should get it off there.

5 I would answer yes to the last question.

6 Thank you.

7 DR. BRANDT: Which last question?

8 DR. HARLANDER: Reasonable certainty of no harm.

9 DR. BRANDT: Dr. Lamm?

10 DR. LAMM: With respect to the first question, GI
11 symptoms, I don't think we have had any new data here to
12 indicate anything other than they anticipated. I will make
13 the point I made earlier and that is my concern with respect
14 to the Center for Science in the Public Interest that you
15 have a surveillance system that seems to be picking up
16 unusual cases or types of cases not being reported to P&G
17 and if these turned out to be the sentinel cases of other
18 things that are going on, I would like to see you taking
19 responsibility to moving these four individuals on to
20 further medical evaluation, in particular to appropriate
21 challenge testing.

22 I would imagine that you might be able to work out
23 with P&G some sort of grant application for a rechallange
24 program established at some medical school somewhere where
25 individuals could go to be rechallenged with bags that have

1 been previously labeled by P&G in their coding fashion or
2 something like that and then be able to identify whether
3 there are particular sets of symptoms, particular sets of
4 circumstances, of individuals that are those who are
5 particularly sensitive to olestra and then the medical-
6 industrial community can move forward from there.

7 With respect to the issue of the non-GI effects, I
8 have heard nothing here that I found disturbing, either in
9 the older and the new data. Previously pointed out was the
10 issue of the increased levels of vitamin K and I think FDA
11 will, obviously, be watching that and reach some resolution
12 over the next period of time.

13 I agree with the recommendation that the vitamins
14 be moved into the nutrition statement with the asterisks.
15 And I don't hear enough evidence of the certainty of health
16 risks of the reduced carotenoids that it is, for me, an
17 issue that I think needs to be focussed to the attention of
18 the consumer.

19 I find myself with the typical ambivalence on the
20 question of the label. My own personal suggestion would be
21 to place on the front of the bag a statement that indicates
22 that this product contains olestra, maybe at the same place
23 that one indicates fat-free, "contains olestra," or
24 something like that so that the decision on whether someone
25 wants to use an olestra-containing product as opposed to a

1 sucrose-containing product or whatever substitution is used
2 for the fat, there is something that the consumer is able to
3 confront up front in their decision-making process.

4 And then, on the back, I might suggest, rather
5 than a warning label, an information label where P&G and FDA
6 would get some agreement where there would be a description
7 that olestra is non-absorbable fat, that it may permit you
8 to consume the things with a lower calorie intake, speaking
9 about what they would see as some of the benefits of it and,
10 in the same area, having the statement that speaks about
11 some people having gastrointestinal discomforts, or whatever
12 vocabulary you folks worked out together.

13 I would also agree that there is no reason for
14 making a specification of abdominal cramps. It does not
15 seem to be a relevant issue with respect to olestra.

16 Thank you.

17 DR. BRANDT: What about reasonable certainty of no
18 harm?

19 DR. LAMM: I say yes, there is a reasonable
20 certainty of no harm.

21 DR. BRANDT: Thank you.

22 We go on now to Dr. Potter.

23 DR. POTTER: Thank you, Mr. Chairman. The data
24 and anecdotes presented on the GI effects look more like
25 those presented earlier. I see no reason to encourage FDA

1 to modify its regulatory position. P&G continues to sponsor
2 well-designed surveillance in clinical studies and I am
3 hopeful that these will help explain the pathogenesis of the
4 sporadically occurring rapid-onset GI symptoms that appear
5 temporarily related to consumption of olestra-containing
6 snacks.

7 Perhaps, it would be useful to look at product
8 lots associated with substantiated complaints for unintended
9 reactants or other contaminants and to carefully rule out,
10 perhaps, unrelated infectious causes of gastroenteritis, as
11 has been pointed out.

12 Like others, I am satisfied that fortification
13 takes care of problems of the fat-soluble vitamins and there
14 are still too many unknowns for other lipophilic substances
15 to answer question No. 2 other than no.

16 We heard that the current label may be
17 misunderstood by some consumers and could probably be
18 improved. However, unless we decide that all foods should
19 have a benefit-risk statement, I heard nothing that makes me
20 believe that manufacturers should be required to change the
21 label.

22 FDA has demonstrated extraordinary competence in
23 assimilating a large amount of information from a variety of
24 sources independently analyzing and interpreting it and
25 drawing reasonable inferences from it. However, I am

1 concerned that the large number of very important and
2 complex food safety issues facing the agency make it
3 inappropriate to continue devoting such a large amount of
4 expertise on this single issue.

5 Thank you.

6 DR. BRANDT: And reasonable certainty of no harm?

7 DR. POTTER: Reasonable certainty of no harm.

8 DR. BRANDT: You agree?

9 DR. POTTER: Yes; I agree that there is reasonable
10 certainty of no harm.

11 DR. BRANDT: Ms. Richardson?

12 MS. RICHARDSON: I want to preface my answer to
13 the questions with the fact that I am a consumer
14 representative on this committee and also a consumer who
15 works with a large segment of the population that has been
16 identified as large consumers of these euphemistically
17 termed savory snacks.

18 I am also concerned that we saw a number of
19 diabetics who came from the ADA and from Howard University
20 Hospital's patient support group who see these potato chips
21 as a dietary option. Even if you remove the fat, they are
22 still made out of potatoes. They are still a carbohydrate.
23 And that needs to be reinforced with those diabetics.

24 Yes; a lot of these foods are potatoes, contain
25 potatoes, and they contain corn. But they are not in the

1 produce department. They are not in the vegetable
2 department. I think that needs to be stressed, especially
3 since I represent a group of women who have been recently
4 told that 52 percent of are overweight.

5 To question No. 1, I would say no. I think the
6 symptoms that we have heard reported were anticipated and,
7 although people suffered some discomfort and they were
8 unpleasant symptoms, I don't see them as changing FDA's
9 original statement.

10 I am also encouraged by the fact that P&G is going
11 to continue to do post-surveillance reporting and studies,
12 especially since it looks like olestra consumption is an
13 employee benefit for their employees. I, like Dr. Benedict,
14 also believe that the symptoms that were experienced with
15 the olestra products also have been related by a number of
16 the people who were trying to diet by drinking some of the
17 liquid diet drinks.

18 To question No. 2, I would answer no. I think
19 that the science around carotenoids is still an emerging
20 science. There doesn't seem to be an agreement at this
21 point, but I am concerned about the information that we have
22 heard on vitamin K. It appears that there may not be a loss
23 of vitamin K, but maybe an addition with vitamin K. That
24 concerns me as a nurse who works with patients who are on
25 anticoagulant therapy and who have a history of clots.

1 We spend a lot of time telling them not to eat a
2 lot of collards and kale because of the concern about their
3 anticoagulant therapy. So I think that further research
4 needs to be done with regard to vitamin K and, also, on the
5 ingestion of olestra products for those people who are on
6 anticoagulants.

7 With regard to labeling, I would answer yes. I
8 think that the label is still necessary because of the
9 newness of the product. We have heard a lot from consumers
10 saying that--it wasn't that they were confused about the
11 label but that they didn't notice it. So I think that there
12 needs to be a step to place it where it can be more
13 noticeable.

14 You can't force consumers to read labels. And,
15 once they have read them, you can't make them act up them.
16 We know that from cigarettes and seat belts. The only time
17 consumers pay attention to labels is when they look at the
18 tags on pillows. Everybody still has that tag on there
19 because they are afraid that the police are going to come in
20 and arrest them if they take it off.

21 The other reason why I think that the label should
22 be on is because I think consumers have to make informed
23 decisions about what they are going to eat, just as what
24 mascara they are going to put on their eyes and what
25 carotenoid they are going to drive. So I think the label is

1 necessary.

2 I would suggest some changes in language. I would
3 recommend that we look at the language that was suggested by
4 Dr. Reeser, but I also think that her language needs to be
5 more user-friendly. I do like the suggestion that the label
6 contain the phrase, "nutrients from fruits and vegetables,"
7 because I don't think a lot of consumers understand what
8 carotenoids are and they don't know what a nutrient is.

9 The thing about labels is we know that a lot of
10 people don't read them. But I think they should be there,
11 especially so that if people do have problems, that the
12 label is there and can provide them some guidance. I think
13 having the toll-free number on the label is an excellent
14 idea.

15 I would encourage FDA to look at whether or not
16 they can send out the same kind of alerts to healthcare
17 professionals that they do with regard to some medications
18 so that healthcare professionals would have an understanding
19 about what olestra is and what it isn't so that when
20 patients do present with symptoms that they can have
21 physicians who are as thorough as Dr. Brandt is with regards
22 to looking at is there an underground or a background GI
23 disorder that needs to be examined or is it because someone
24 ate olestra products.

25 I think the label allows a consumer to relate

1 information to their healthcare providers so that it can be
2 used also so that the consumer does not incur costly and
3 uncomfortable medical tests and examinations.

4 The discussions about digestive systems, and I
5 know there were some consumers who were concerned about what
6 they saw as disgusting, distasteful language on the labels.
7 I would say that if we were more open about talking about GI
8 involvement and our bowels, a lot of people like Dr.
9 Harlander's mother, talking about it among themselves, but
10 they are not necessarily talking about it with their
11 healthcare professionals. That is why the screening for
12 colon cancer is so low.

13 So if we could have a lot more open discussion,
14 and I would love to see people talking to their physicians
15 about their bowel movements and the color of their stool.

16 I would also like to take the opportunity to
17 endorse what Dr. Applebaum said. It concerns me that the
18 professional integrity and character of some members of the
19 committee were called into question because people didn't
20 agree with their statements. This is a democratic process
21 and, as a former regulatory attorney, I think it works very
22 well and I think it does provide industry to bring
23 information to the floor and for consumers.

24 Unfortunately, we can't regulate--FDA can't
25 regulate what the press does, but I think, certainly, those

1 who represent the consumers and the industry can regulate
2 what they say with regards to what happens at these
3 hearings.

4 Thank you.

5 DR. BRANDT: Reasonable certainty of no harm?

6 MS. RICHARDSON: Yes.

7 DR. BRANDT: You agree? Please say it. Mr.
8 Larsen makes me do this.

9 MS. RICHARDSON: Yes; reasonable certainty of no
10 harm.

11 DR. UNDERWOOD: Thank you, Mr. Chairman. I have
12 appreciated this opportunity to participate in this exercise
13 as a temporary invited expert. I feel I was brought here
14 primarily for my background and understanding of fat-soluble
15 vitamins and absorption. I think probably it was partly to
16 my advantage that I haven't been involved in the process
17 before now so that I am able to respond to the questions
18 based on, really, what I have been provided in the
19 background documents and what I have heard over the last two
20 and a half days.

21 I have been impressed with the quality of the
22 presentations from Proctor and Gamble and from the other
23 groups that have presented. Based on the information that I
24 have heard, my answer to question 1 is that, based on the
25 new data and the other anecdotal information presented in

1 the background documents and over the last two and a half
2 days, I find no scientifically documented evidence of any
3 significant unanticipated gastrointestinal effects that can
4 be convincingly attributed to ingestion of olestra and that
5 are adverse to health.

6 I acknowledge the reported adverse effects
7 following an exposure to an olestra-containing savory snack
8 from testimonials presented but such reports lack the
9 critical elements in medical workup necessary to eliminate
10 other likely potential causes.

11 My response to question 2 is active surveillance
12 data available to date do not indicate that consumption of
13 savory snacks containing olestra has a significant adverse
14 effect on health due to the interference with absorption of
15 fat-soluble vitamins or carotenoids.

16 I cannot comment on other lipophilic substances as
17 we have not been provided data that we could evaluate these
18 other substances. I would go on to say that the available
19 data for this evaluation is, as yet, quite limited. I do
20 encourage, therefore, continued surveillance and
21 particularly among those who could be most vulnerable to
22 adverse consequences. By these, I mean the youngest and the
23 eldest age groups and among families least privileged
24 economically.

25 I also encourage that the analysis include

1 monitoring the full distribution of values and not just
2 medians and means. I want to make one other comment related
3 to the beta carotene issue. I do not feel that there is
4 evidence for beneficial effects of high doses of
5 carotenoids. But I make this distinction. I think that
6 most of the studies in which harmful effects have been shown
7 have been when using high doses of a beta carotene
8 supplement.

9 I work in the international field and I work with
10 children in developing countries who get the majority of
11 their vitamin-A-active substances from carotenoid sources.
12 In some of those instances, it is important that you use
13 carotene supplements. I would not like to see the image of
14 a carotene supplement always in the negative because at low
15 doses, in fact, recent studies in developing countries have
16 suggested mortality-reduction effects at levels that are
17 consumed in regular dietary sources. This is related to
18 maternal mortality.

19 My response to the labeling question is that I
20 think that there is still reason to retain the label on the
21 package. I think there is reason to rethink some of the
22 statements that, in fact, they are statements that are
23 informational and not seen as a warning.

24 In doing that, I am not sure of the exact wording
25 for that but I do think that the statements related to

1 gastrointestinal effects should be related to what we have
2 actually seen and not that we haven't seen real evidence for
3 diarrheas and these things that would cause people to have
4 undue concern.

5 I do agree with the idea of an asterisk on the
6 vitamins and placed in the nutritional label. I also think
7 that there is reason to think about the placement of the
8 label on the package. I bought a package of Wow and looked
9 at it this morning before I came. And I do think that
10 putting it at the bottom of the back cover, it is not going
11 to be noticed there.

12 I think there is reason that it should be in a
13 more prominent place on the package and I think it should
14 also contain the toll-free number. Finally, based on the
15 information I have seen in the last two and a half days, I
16 agree that there is reasonable certainty of no harm.

17 DR. BRANDT: Thank you.

18 Dr. Wang.

19 DR. WANG: Thank you. I am the last one but not
20 the least. In the last two days, I have seen the due
21 diligence. I want to define the term where I have read
22 somewhere, sometime, that it is a \$5.00 Wall Street term
23 that we have looked at the issue very hard. I think we
24 have.

25 Regarding the question No. 1, my answer is no,

1 based on the new data and other information presented. Also
2 I would like to thank P&G for bringing a lot of their
3 information to share with us. I felt that there was,
4 really, no standards, per se, as their standard for review
5 for food-additive approval, there is the rulemaking
6 procedure but this passive surveillance information are all
7 extra that is volunteered, I believe, two years ago that
8 they would do that.

9 Regarding No. 2 on active surveillance, I am
10 honored to serve on this group because I realize here, in
11 the last hour or so, that we have a general scientific
12 agreement on the emergent science on the carotenoid issue,
13 the fat-soluble vitamins. And my answer is no from this
14 first year's surveillance, active surveillance data.

15 Regarding No. 3, again, since I represent the
16 state, as a state representative, we recognize that food
17 labels are very important, that the information should be
18 material facts and, since the label is small, any warning
19 statement should be reserved for a very serious health
20 effect.

21 Two years ago, we recommended the labeling because
22 the information presented to us at that time showed that
23 there could be GI effects. But now, with this information
24 right now that was presented to us, the materials, and I am
25 kind of torn in between as well whether they should be

1 required or not.

2 So I am offering basically three things I am going
3 to talk about. Regarding the vitamin section, I do support
4 moving it to the nutritional labeling with an asterisk
5 indicating either it is not a significant source or what Dr.
6 Clancy suggested that it is nutritionally not available,
7 probably something that is going to be new for future food
8 products.

9 And then, regarding the label statement about
10 olestra, again, if we are talking about olestra as an oil,
11 since it is already listed in an ingredient statement, I
12 would like to see a placement near the ingredient statement,
13 a shortened statement, describing olestra, itself. It could
14 be a non-caloric, indigestible oil, describing what olestra
15 is.

16 Also, maybe I would like to suggest that FDA
17 consider a sunset clause along with the savory snack that
18 the term "indigestible fat that may cause stomach
19 discomfort," shorten it so that it is punctual.

20 Lastly, the educational effort. This is not
21 scientific. It is more like political. P&G may want to
22 help fund the FDA to launch an educational campaign with
23 brochures or such that can be distributed through their
24 public information officers regarding olestra and all the
25 scientific information that is available.

1 In addition, the sunset clause may be tied in with
2 the ongoing active surveillance that P&G is doing right now,
3 maybe the time frame.

4 Lastly, I want to thank all my colleagues. Again,
5 I am in the graduating class this year and I want to thank
6 all the FDA Food Advisory Committee staff for doing an
7 excellent job, and I felt that I finally graduated and it
8 was really a learning experience.

9 Thank you.

10 DR. BRANDT: Reasonable certainty of no harm?

11 DR. WANG: Yes; I have reasonable certainty of no
12 harm in savory snacks.

13 DR. BRANDT: Mr. Levitt and others from the FDA,
14 you have gotten everybody's views. I want to, again, thank
15 our temporary members who have helped us, Dr. Feinleib, Dr.
16 Blaner, Dr. Underwood, Dr. Lamm, Dr. Byers. I want to,
17 again, thank all of the graduates. It has been four
18 reasonably pleasant years. It has particularly been
19 pleasant with our social director. I don't know who is
20 going to replace her but I am sure we can find somebody.

21 I want to thank Lynn and Kathy DeRoever, Linda
22 Hayden, all the other folks who have helped all of us
23 including getting us plane reservations and other kinds of
24 stuff that has to go on.

25 Some of you can expect to be recalled. I am sure

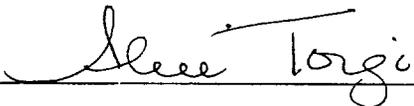
1 because of your contributions to what is going on, recalls
2 in this instance are positive, not negative, as automobile
3 recalls are generally considered to be.

4 I wish you a safe trip home and all kinds of luck
5 and I hope the graduates find jobs before long.

6 [Whereupon, at 12:30 p.m., the proceedings were
7 adjourned.]

C E R T I F I C A T E

I, ALICE TOIGO, the Official Court Reporter for Miller Reporting Company, Inc., hereby certify that I recorded the foregoing proceedings; that the proceedings have been reduced to typewriting by me, or under my direction and that the foregoing transcript is a correct and accurate record of the proceedings to the best of my knowledge, ability and belief.



ALICE TOIGO