## Heydens, William F. (Vol. 01) - 01/23/2017

1 CLIP (RUNNING 01:39:06.270)



MR. MILLER: Good morning. ...

#### WH-0123-0000615

#### 145 SEGMENTS (RUNNING 01:39:06.270)



#### 1. PAGE 6:15 TO 6:19 (RUNNING 00:00:09.078)

- MR. MILLER: Good morning. 16 This is Michael Miller on behalf of 17 plaintiffs, together with Tim Litzenburg and Nancy Miller also of 18 The Miller Firm.
- 2. PAGE 9:03 TO 9:07 (RUNNING 00:00:05.771)
  - 0.3 Please state your full name. My name is William Francis 04 Α. 05 Heydens. 06 Heyden? Q. 07 Heydens. Α.
- 3. PAGE 10:06 TO 11:05 (RUNNING 00:00:40.640)
  - 06 How long have you been an 07 employee of the Monsanto Corporation? 80 Α. I've been at Monsanto 09 approximately 33 years. 10 All right. And you're a Ο. full-time employee of the Monsanto 11 12 Corporation? 13 Α. That is correct. 14 Yes, sir. Q. 15 And you have been continuously 16 a full-time employee of Monsanto for the last 17 33 years? 18 Α. Almost 33, yes. I was actually a part-time employee when I was in graduate 19 school and then came back, and I have been a 20 full-time employee the remainder of the time. 21 22 Q. Yes, sir. 23 And we are going to refer to 24 you today as Dr. Heydens because you, in 25 fact, are a doctor, right, sir? 00011:01 Α. I am a doctor, yes. 02 Q. You're a doctor of would it be 03 fair to say toxicology? 04 Α. Yes, I have a Ph.D. in 0.5 toxicology.

#### 4. PAGE 14:12 TO 14:21 (RUNNING 00:00:27.196)

- All right, sir. And I want to 12 13 look at a document that I think summarizes 14 some of the things that you've done in the 15 field with Roundup, or glyphosate, in the 16 last several years, and I want to show you a 17 copy. It's produced from your file, your custodial file, by Monsanto, and it's
- 0357 -

- 19 Exhibit 3:1. Here's a copy for you and a
- copy for -- I'm sorry, excuse me. I'm sorry

11

12

13

#### Johnson v. Monsanto

```
to pull it back. I gave you the wrong copy.
5. PAGE 15:02 TO 15:04 (RUNNING 00:00:03.506)
        02
                           Let me know when you've had a
        03
             chance to look at this. I'd like to ask you
        04
             a few questions about it.
6. PAGE 15:08 TO 15:08 (RUNNING 00:00:01.705)
                           THE WITNESS: Okay.
7. PAGE 15:10 TO 16:25 (RUNNING 00:01:18.514)
        10
                           Yes, sir.
        11
                           And this is an e-mail sent from
        12
             you, William Heydens, right, sir?
        13
                           That is correct.
                   Α.
                           And it was sent in March -- it
        14
                    Q.
             looks like St. Patrick's Day 2015; is that
        15
        16
             correct?
        17
                           That is correct.
                   Α.
        18
                    Q.
                           Yes, sir.
                           And you were reminding a fellow
        19
        20
             employee of Monsanto by the name of Josh
             about five issues that you faced in the early
        21
        22
             glyphosate days, mid to late 1980s, right,
        23
             sir?
        24
                           The issues that Monsanto faced,
        2.5
             ves.
  00016:01
                           Yes, sir.
                    Q.
        02
                           And you were involved in these
        03
             issues right, sir?
        04
                           Yes, I was.
                    Α.
        05
                    Ο.
                           Yes, sir.
        06
                           One of them, the first one, was
        07
             the low level presence of formaldehyde,
        80
             carcinogen by inhalation, in Roundup. That
        09
             was an issue you dealt with, isn't it, sir?
        10
                           Yes, that is something that has
                   Α.
        11
             come up.
        12
                           Another issue that came up:
                    Ο.
             Low level of presence of NNG,
        13
             N-Nitroso-Glyphosate, in Roundup. Many
        14
             N-Nitroso compounds are carcinogenic.
        15
        16
                           That was one of the issues that
        17
             you dealt with, right, sir?
        18
                        That is another one, yes.
                   Α.
        19
                    Q.
                           Okay. And by "carcinogenic,"
        20
             we mean cancer-causing; is that what the word
        21
             means?
        2.2
                           That is correct.
        23
                           The other issue, or the third
                    Ο.
             issue, here is: Many toxic studies for
        24
             glyphosate had been done at a lab, IBT,
8. PAGE 17:04 TO 18:05 (RUNNING 00:01:01.517)
        04
                           You dealt with that issue as
        05
             well, right, sir?
        06
                           Monsanto did. I did not
                   Α.
        07
             personally.
        0.8
                   Q.
                           All right, sir. The next issue
             is: EPA seriously questioned if glyphosate
        09
```

CONFIDENTIAL page 2

produced tumors in chronic mouse study -

carcinogenicity for several years - our

detractors falsely spread the word that the

glyphosate was put in Category D for

```
14
           EPA considered glyphosate to have
      15
           carcinogenic potential; was generally an
      16
           issue that you personally dealt with as well
      17
           as Monsanto, right?
      18
                 Α.
                        I was involved in that issue,
      19
           ves.
      20
                 Q.
                        All right, sir.
      21
                        And the next issue that you
           were involved in here was: It was falsely
      22
      23
           said that glyphosate is organophosphate, OP,
      2.4
           molecule, and OPs produce neurotoxicity;
      25
           thus, glyphosate is a neurotoxin.
00018:01
                        Generally an issue that you
           dealt with, right, sir?
      02
                        I personally didn't spend a lot
```

#### -KE0357 - Clear Attached Exhibit 0357

04 of time, but that was something that did come 05 up.

#### 9. PAGE 37:01 TO 37:02 (RUNNING 00:00:01.902)

00037:01 Q. Let's take a look at the 02 documents.

#### 10. PAGE 37:08 TO 38:09 (RUNNING 00:01:20.548)

```
We're going to look now at
      0.8
      09
           Exhibit 3:5. Now, before we do, just to put
      10
           a time reference on this, Dr. Heydens, this
           article came out in January -- I'm sorry, you
      11
           can tell us perhaps. I thought it came out
      12
      13
           earlier.
      14
                         It came out in September.
                 Α.
      15
                         September 2016, I thought, yes,
                  Q.
      16
           sir.
      17
                         That is correct.
                  Α.
                         All right. And the planning
      18
                  Ο.
           for it began back in 2015, right, sir?
      19
      20
                        Let me think about that just a
                 Α.
      21
           second. So many things happened.
      22
                         Yes, that would have been in
      23
           2015.
           Q. It was, fair to say, something you guys wanted to initiate after IARC to \,
      24
      2.5
00038:01
           sort of explain your position on the science,
      02
           generally speaking?
      03
                         This was something that we
                 Α.
           wanted to initiate not to explain our view of
      04
      05
           science. It's something that we wanted to
      06
           explain the best sound science way to look at
      07
           the data, which is exactly the way these
      0.8
           panels approached it, these scientists
           approached it.
```

#### 11. PAGE 38:10 TO 38:15 (RUNNING 00:00:13.646)

sir. Thank you.

15

# 0336 10 Q. All right. Here's Exhibit 3:5, 11 a series of e-mails between you and others in 12 May of 2015 concerning post-IARC activities 13 to support glyphosate. 14 A copy for you and counsel,

CONFIDENTIAL page 3

#### 12. PAGE 38:20 TO 38:20 (RUNNING 00:00:00.999)

```
20 THE WITNESS: Okay.
```

#### 13. PAGE 38:22 TO 40:04 (RUNNING 00:01:26.214)

```
Ο.
                        Yes, sir.
      23
                        This is -- one of the e-mails
      24
          here is from you. That's William Heydens,
      25
           right, sir?
00039:01
                        That is correct.
                Α.
      02
                        In May of 2015, right?
                 Ο.
      03
                        That is correct.
                 Α.
      04
                        Sent it to Donna Farmer and
                Q.
      05
           others, right, sir?
      06
                        That is correct.
                Α.
      07
                        And it's concerning a meeting
                 Q.
      80
           that you folks had had that day, right?
      09
                Α.
                        That is correct.
      10
                        And some things that you were
                 Ο.
           going to do is publish on animal data cited
      11
      12
           by IARC, right, sir?
                      Really what this is, these
      13
                Α.
      14
           are -- these were ideas that we had at that
      15
           point in time. We hadn't established
      16
           which -- exactly which ones. This was more
      17
           the things that rose to the top as
           possibilities as part of our overall
      18
           brainstorming on the topic.
      19
      20
                      And you wrote, sir, on the
      21
           publication on animal data cited by IARC,
      22
           there would be a manuscript to be initiated
      23
           by Monsanto as ghostwriters, right, sir?
      24
                A. That is written there, that's
      25
           true, but that's not -- but again, as I said,
00040:01
           this was just thinking early on in the
      02
           process, and that's not what happened.
      03
           Ultimately, a totally different paradigm was
      04
           used.
```

#### 14. PAGE 40:13 TO 41:17 (RUNNING 00:01:28.106)

```
Let's see what it says here.
           You say, "It was noted this would be more
      14
      15
           powerful if authored by non-Monsanto
           scientists, that is, Kirkland, Kier,
      16
      17
           Williams, Greim and maybe Keith Solomon."
                        Do you see that?
      18
      19
                        Oh, yeah, I see that. So
           I sort of misunderstood your question.
      2.0
      21
                        The idea here really is -- I
      22
           mean, you know, obviously it would be real
           easy for Monsanto to write a scientific
      23
           paper, but really it would hold more weight
      24
           if we selected or, you know, if the panel was
      2.5
00041:01
           put together by independent experts who are
      02
           experts in the field, people that have done
      0.3
           these evaluations for 30 or 40 years and have
      04
           reputations in the international scientific
      05
           community.
      06
                        And so that was what the --
           thought that the best -- the best way for the
      07
      0.8
           oncogenic potential to be evaluated is by
           individuals like that.
```

#### -KE0336 - Clear Attached Exhibit 0336

10 Q. In fact, you wanted to keep the

```
costs down and use outside authors so you'd
        11
        12
             have something to support your litigation
        13
             defense to the people that had non-Hodgkin's
        14
             lymphoma, right, Doctor?
                         As I said, it was just a
        15
                   Α.
             thought at this point in time, and that's not
        16
        17
             ultimately how it was done.
15. PAGE 41:18 TO 41:22 (RUNNING 00:00:12.961)
        18
                          On the very same day, sir, you
             wrote another e-mail with a PowerPoint, and I
        19
        2.0
             want to talk to you about that. That is
                                                                                   0391 -
             May 11, 2015. We'll mark that as
             Exhibit 3:6.
        2.2
16. PAGE 42:02 TO 42:03 (RUNNING 00:00:02.082)
                          A copy for you and counsel,
        0.3
             sir.
17. PAGE 42:04 TO 42:25 (RUNNING 00:01:08.530)
                           Yes, sir. And this is a
0391A -
        05
             PowerPoint that you prepared, right, about
             that same time, right, sir?
        06
                  A. Yeah, I was -- there was
        07
             contributions from other individuals, but,
        0.8
             yes, I believe I did put this PowerPoint
        10
             together.
                                                                             0391A-004 -
             Q. Let's go, sir, to page 4 of the PowerPoint. This is the front page. Page 4 \,
        11
        12
             of that. Just a few questions on a couple of
        13
        14
             things you were thinking at the time.
        15
                          On page 4 you discussed
             possibly doing a new meta-analysis. Explain
        16
             to the jury what a meta-analysis is.
        17
        18
                          A meta-analysis is where you
                   Α.
        19
             take more than one study, you take preferably
             several studies that have been reported
        20
        21
             individually, and you look at them
        22
             collectively.
                          And you knew -- you already
        23
                   Q.
        24
             knew what the meta-analysis would show before
        25
             you ever did it, right?
18. PAGE 43:03 TO 43:11 (RUNNING 00:00:14.450)
        03
                           THE WITNESS: That's not
        04
                   correct.
        05
             QUESTIONS BY MR. MILLER:
                          It says, "The risk of doing a
        06
                   Ο.
        07
             new meta-analysis is none since we have
        80
             already done the analysis," right?
                          Is that what it says?
        09
        10
                   Α.
                          Where are you now?
```

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On page 4, sir.

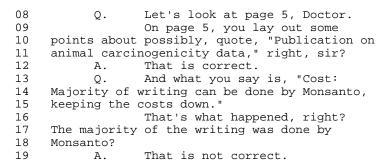
11

Ο.

#### 19. PAGE 43:22 TO 44:19 (RUNNING 00:01:00.206)

```
THE WITNESS:
                                      Yes.
      23
           QUESTIONS BY MR. MILLER:
      24
                 Q.
                        Okay. See it?
      25
                        I don't recall exactly what I
                 Α.
00044:01
           meant when I did that, but I think what it
           referred to was the fact that the individual
      02
           studies that would be included in such
      03
           analysis, I was cognizant of what those
      04
      05
           studies said. And so you would expect a
           meta-analysis wouldn't show much different
      06
      07
           than what the individual studies show.
```

#### 0391A-005 -



#### 20. PAGE 44:20 TO 47:23 (RUNNING 00:03:11.261)

20 Q. You also wanted to do, if we

#### 0391A-007 -

0.8

09 10

11

12

13

14 15

16 17

18

could turn to page 7, an overall weight of 22 evidence --23 Is that what WOE stands for, 2.4 sir? 25 That is correct. Α. 00045:01 -- overall weight of evidence Q. 02 plausibility publication possibly via expert 03 panel concept. 04 Right, sir? 05 That is one of the 06 possibilities that we were thinking about at 07 that time.

Q. And you -- possible authors, panelists, authors, you named a bunch of folks, right, some of whom went on to be authors in the Intertek report, right?

A. Yes. These are individuals, as I said before, who are considered experts, top of their field. And it was important that if we were going to go ahead and do something like this, we wanted top-notch people in the field, and these are some examples of individuals that would fall in that category.

Q. And you were going to pay around 200, \$250,000 to have these top-notch people involved, right?

23 A. That was a real high-level 24 guesstimate that I put on the slide. I have 25 really no idea what ultimately it cost.

00046:01 Q. But you knew that by Monsanto writing the article, you could keep the cost

```
03
             down, right?
                          Well, yes, I think I stated
        04
                   A.
        05
             that, but, again, I stated that ultimately
🔰 0391A-008 -
             that was not the model that we went with.
        06
        07
                   Q. And on page 8, you make it
        80
             clear what Monsanto's purpose is on the
             genotox -- MOA means mechanism of action,
        09
        10
             right, Doctor?
        11
                   Α.
                          That is correct.
                          Okay. You wanted to counter
        12
                   Q.
        13
             IARC's claim of strong evidence of DNA
        14
             damage/oxidative stress, right, sir?
        15
                   A. What we wanted to do is we
             definitely wanted -- I mean, you know, when
        16
             you look at IARC, IARC did not do a solid
        17
        18
             weight of evidence and did not use accepted
        19
             scientific principles. So we were interested
        20
             in making sure that that data did get
        21
             evaluated using accepted scientific
        22
             principles.
        23
                          You were actually interested in
                   Q.
        24
             litigation support, right?
        25
                   A. That is not correct.
  00047:01
                   Q.
                          You wrote that.
        02
                   Α.
                          I think I stated at least a
             couple of times so far that my job and my
        03
        04
             interest is to make sure that when glyphosate
             is evaluated, that its evaluated using the
        0.5
        06
             best scientific principles in a weight of
        07
             evidence evaluation.
        80
                          Let's go to what you wrote on
                   Q.
        09
             page 2, sir.
0391A-002 -
        10
                   Α.
                          Page, excuse me?
        11
                          2
                   Ο.
        12
                   Α.
                          2?
        13
                   Q.
                          Yes, sir.
                          "Why do more?"
        14
                          And your first bullet point:
        15
             "Severe stigma attached to a Group 2A
        16
        17
             classification, " right, sir?
                          That is written there.
        18
                   A.
        19
                   Q.
                          And what 2A classification
        20
             means is the World Health Organization, IARC,
        21
             determining that Roundup, glyphosate, is a
        22
             probable human carcinogen for non-Hodgkin's
             lymphoma?
21. PAGE 48:04 TO 49:12 (RUNNING 00:01:15.174)
        Λ4
                          You can answer.
        05
                          That was their ultimate
                   Α.
        06
             classification, and we believe that is an
        07
             improper classification.
        80
                         And Aaron Blair was the head of
                   Ο.
        09
             that IARC panel, right?
        10
                         I don't know -- I don't know
             that he was head of the panel. I don't know
        11
        12
             if there was an actual overall chair and, if
        13
             so, who would have been the lead of that.
        14
                   Q. But you knew Aaron Blair was
             associated with IARC; that's why you wrote
        15
```

```
16
             that sentence, right?
        17
                   A.
                          Certainly Aaron Blair
        18
             participated. He was one of the IARC panel
        19
             members, yes.
                          Yes, sir.
        20
                   Ο.
        21
                           And after the panel, he
        22
             continued to defend his work, right?
        23
                  A.
                         I recall seeing one instance
             where he did that. Kind of vague on that.
        24
        25
                         And what you were concerned
                  Q.
  00049:01
             about is that this IARC finding might move
        02
             pesticides to Group 1.
        03
                           What does Group 1 mean, Doctor?
                          Group 1 is -- I believe the
        04
             word they use is a "known human carcinogen."
        05
        06
                           Yes, sir.
                    Q.
        07
                           And I didn't mean to interrupt.
                           Are you finished?
        80
        09
                    Α.
                           No, I was done.
        10
                          Okay. And you were concerned
                    Q.
             about litigation support, right, sir?
-KE0391A-002 - Clear Attached Exhibit 0391A-002
                   A.
                           Where are you?
22. PAGE 49:15 TO 49:18 (RUNNING 00:00:08.730)
                           THE WITNESS: Again, my job is
                    to -- for the molecule, my job is to
        16
                   make sure that the best science is
        17
        18
                    done.
23. PAGE 81:25 TO 82:04 (RUNNING 00:00:07.148)
                          And you saw it before that
  00082:01
             journal article ever came out and helped edit
        02
             it, true, Dr. Heydens?
                   A. I don't recall telling them
        0.3
             what to say.
        Λ4
```

#### 24. PAGE 82:08 TO 82:10 (RUNNING 00:00:04.478)

#### 0394 -Q. Let's take a look at Exhibit 3:9, please. There's a copy for you NΑ 09 10 and counsel. 25. PAGE 82:11 TO 82:12 (RUNNING 00:00:05.011)

I apologize, but I'm still looking for one thing that I have not found.

#### 26. PAGE 82:13 TO 83:18 (RUNNING 00:01:34.698)

```
13
                   Okay.
14
           Ο.
                   Yes, sir.
15
                   Now, if we could go to Bate
```

#### 0394-004 -

stamp 59011 of this chain of e-mails, what we see here is that -- we'll start at the 17 18 bottom. Ashley Roberts from Intertek sends 19 you a copy of the proposed declaration of interest, March of 2016, right, sir? 20 A. Yeah, I had forgotten that he



```
22
             did send that, but, yes, he did send it. How
             it existed at that point in time, I think it
        23
             was -- if I recall correctly, he had
        24
        25
             indicated to me that he had lots of
  00083:01
             conversations with the journal editor, but at
             this point in time it was shared, yes.
        02
                           Yes, sir.
        0.3
                   Q.
0394-005 -
        04
                           And we go to page 0112. So to
        05
             be clear, you knew that the declaration was
             going to say the authors had sole
        06
        07
             responsibility for the writing and the
        80
             content of the article, and the
        09
             interpretations and opinions expressed in the
        10
             paper were those of the authors.
        11
                          You were aware of that before
             the article came out, right, sir?
        12
        13
                  A.
                          I was aware of whatever it says
        14
             in the version that he sent me, yes.
        15
                           If he sent it to me, I probably
        16
             read it.
        17
                           And to be clear, you had made
                   Q.
        18
             28 edits to the article in one draft alone?
27. PAGE 83:21 TO 85:06 (RUNNING 00:01:21.508)
        21
                           THE WITNESS: Yeah, I'm not --
        22
                    I think I stated before and -- you
                    brought that up, and I think I stated,
        23
                    and certainly I would say, I don't
        2.4
        25
                    recall 28 edits, so I'd have to see
  00084:01
                    what you're referring to.
             QUESTIONS BY MR. MILLER:
        02
        03
                   Q.
                         We'll look at that in a minute,
        04
             sir, but right now let's finish with this.
        05
                           You said here -- did you review
        06
             the article before it was sent to the
        07
             journal?
                           What article are you referring
        NΑ
                   Α.
        09
        10
                   Q.
                           Any of the Intertek expert
        11
             panel articles.
        12
                   Α.
                          As I said, they were certainly
             A. As I said, they were certain sent to me. I read some parts of some of
        13
        14
             them. I didn't read other parts. I don't
        15
             recall exactly which ones I -- you know,
             which pieces I looked at and which pieces I
        16
        17
             didn't, but I received copies.
        18
                   Q.
                          Sir --
        19
                           I did not send back any --
                   Α.
             where any evaluations or -- you know, any
        2.0
        2.1
             information where I thought that, you know,
             evaluations and conclusions should be
        22
        23
             changed.
        24
                   Ο.
                           Sir, you knew before the
             article was published that the declaration
        25
  00085:01
             was going to contain this language, quote,
             "Neither Monsanto nor any attorney reviewed
        02
        03
             any of the expert panel's manuscripts prior
        04
             to submission to the journal."
        05
                          You knew that to be inaccurate,
             didn't you, sir?
```

|               | Johnson v. Monsanto  |   |
|---------------|--|---|
| 28. PAGE 85:0 | 9 TO 85:18 (RUNNING 00:00:31.880)  |   |
| 09            | THE WITNESS: Yeah, I don't   |   |
| -KE0394-00    | 5 - Clear Attached Exhibit 0394-005  |   |
| 10            | know what he meant when he said that.  |   |
| 11            | When I when I look at that   |   |
| 12            | sentence, to me that says that, you  |   |
| 13            | know, Monsanto, or namely me, that   |   |
| 14<br>15      | didn't ask for any substantive changes, any edits, any conclusions,                  |   |
| 16            | any evaluations. That was that   |   |
| 17            | work was theirs, and that's how I read   |   |
| 18            | that to mean.  |   |
| 29. PAGE 98:0 | 3 TO 98:05 (RUNNING 00:00:05.512)  |   |
| 03            | Q. A series of e-mails produced by   |   |
| 0359 -        |  |   |
| _             |  |   |
| 04<br>05      | Monsanto in this litigation. Here you go, sir.                                       |   |
| 30. PAGE 98:0 | 6 TO 98:20 (RUNNING 00:00:56.120)  |   |
| 06            | A. Okay.   |   |
| 07            | Q. Yes, sir. So the series of  |   |
| 08            | e-mails in July and in yes, sir, July  |   |
| 0359-002 -    |  |   |
| 0.0           | -5 0016 2nd start as year 2 with my if year  | * |
| 09<br>10      | of 2016. And start on page 2 with me, if you could.                                  |   |
| 11            | Here is an e-mail from Roger,  |   |
| 12            | the editor of Critical Reviews of Toxicology,  |   |
| 13            | to Ashley Roberts at Intertek.   |   |
| 14<br>15      | Do you see that? A. Yes.   |   |
| 16            | Q. And what Roger is telling him,  |   |
| 17            | among other things, "I am concerned that the   |   |
| 18            | authors have chosen not to comply with   |   |
| 19<br>20      | requests to make it easier for the readers to identify all the relevant literature." |   |
|               | -  |   |
| 31. PAGE 98:2 | 4 TO 98:24 (RUNNING 00:00:00.882)  |   |
| 24            | Q. Do you see that sentence?   |   |
| 32. PAGE 99:0 | 8 TO 99:18 (RUNNING 00:00:24.714)  |   |
| 08            | A. You're just going to have to  |   |
| 09<br>10      | <pre>let me read it here because I'm not getting it.</pre>                           |   |
| 11            | Q. I'm sorry, I can't hear.  |   |
| 12            | A. Oh, I'm sorry. I said let me  |   |
| 13            | just take a little extra time because I'm  |   |
| 14            | looking at this, and I'm confused by it.   |   |
| 15<br>16      | Q. It's forwarded to you later. I just wanted to ask you about this original         |   |
| 17            | e-mail between the editor, Roger McClellan,  |   |
| 18            | and Ashley Roberts at Intertek.  |   |
| 33. PAGE 99:2 | 2 TO 99:25 (RUNNING 00:00:05.436)  |   |
|               |  |   |

**CONFIDENTIAL** page 10

MR. MILLER: Of course.
23 THE WITNESS: I really don't
24 understand what that sentence is

25 saying.

#### 34. PAGE 100:11 TO 101:01 (RUNNING 00:00:33.508)

```
I think you would have to check
      12
           with Ashley on that. He's the person that
      13
           wrote that sentence.
      14
                        Is it your testimony Monsanto
      15
           wasn't giving Intertek any pressure to get
           this published?
      16
      17
                      Well, clearly, you know, this
                Α.
      18
           is a project that had gone on for a long
      19
           period of time, so I will say that I
      2.0
           personally was anxious to see this get
      21
          published, yes.
      22
                Q.
                        You wanted to get this paper to
           the agency so they could use this paper in
      23
           part of their obligations concerning public
      24
      25
           health and their regulatory obligations,
00101:01
           right?
```

#### 35. PAGE 101:04 TO 102:03 (RUNNING 00:01:18.410)

```
THE WITNESS: I wanted to see
05
           this paper get published because it is
06
           the most comprehensive review by
07
           experts that I've ever -- you know,
08
           that I've ever seen. And so, I mean,
09
           obviously I would want to see this get
           published. You know, I think that's
10
11
           an obvious thing.
12
     QUESTIONS BY MR. MILLER:
```

### 0359 -



13 And so Robert -- I'm sorry, 14 Roger writes back to Ashley fairly promptly and says, "I'm also eager to get these papers 15 16 wrapped up." 17 And he goes on to say, "If 18 there" -- excuse me. I want to get this 19 right. "If you can say without consultation 20 with Monsanto, that would be great." 21 Let me back up. I want to make 22 sure I get this right. See where I am at the bottom of 2.3 24 the page? I want to make sure I get the whole thing. 25 00102:01 Α. Yes, I see that. 02 Ο. And a DOA is a declaration of 03 interest. That's what that means, right?

# 36. PAGE 102:06 TO 102:23 (RUNNING 00:00:44.348)

| 06  | Q. I'm sorry, DOI, excuse me.                 |
|-----|---|
| 07  | A. Yes.                                       |
| 8 0 | Q. "The Declaration of Interest               |
| 09  | should start something like this: The         |
| 10  | employment affiliation of the authors is as   |
| 11  | shown on cover page. However, it should be    |
| 12  | recognized that each individual participated  |
| 13  | in the review process and preparation of this |
| 14  | report as an independent professional and not |
| 15  | as a representative of their employer. The    |
| 16  | remainder of the Declaration of Interest      |
| 17  | should make clear how individuals were        |
| 18  | engaged, that is, by Intertek. If you can     |
| 19  | say without consultation with Monsanto, that  |

16

17

#### Johnson v. Monsanto

```
20
             would be great."
        21
                          Now, would it be fair to say
        22
             that they were retained without consultation
        23
             from Monsanto, or would that not be true?
37. PAGE 103:02 TO 103:09 (RUNNING 00:00:13.280)
        02
                          THE WITNESS: Yeah, could you
                   ask that question again, give me a
        03
        04
                   little context?
        05
             QUESTIONS BY MR. MILLER:
        06
                   Q. Would it be fair to say or
             would it not be true that Monsanto was
        07
        0.8
             involved in selecting the experts for this
        09
             panel?
38. PAGE 103:12 TO 104:18 (RUNNING 00:01:16.323)
        12
                          THE WITNESS: So we -- I
        13
                   thought that we had covered this
        14
                   previously, so I'll give you my answer
        15
                   again.
        16
                           So at the very beginning of the
        17
                   process -- right now we're at the very
                   end of the process, but at the
        18
                   beginning of the process we did -- I
        19
        20
                   did offer some names of who I believed
        21
                   to be top-notch experts, gave that --
        22
                   those names to Ashley, and then Ashley
        23
                   and his folks selected who they
                   thought should be on the paper.
        24
        25
                          So as part of that process --
  00104:01
                   and there were some cases where --
        02
                   again, going all the way back to the
        03
                   beginning of the process where some
        04
                   contact might have been made with some
        05
                   of them just from the standpoint of
        06
                   asking them if they were interested
                   and if they're available.
        07
        0.8
                          So just really around that,
        09
                   because obviously it wouldn't make
        10
                   sense to offer up names of individuals
                   who either could not or did not want
        11
        12
                   to get involved.
        13
             QUESTIONS BY MR. MILLER:
        14
                          Well, the truth is, Doctor,
             Monsanto selected some of the panel members,
        15
        16
             but before any panel member was approved,
        17
             they had to go through Monsanto's legal
        18
             department?
39. PAGE 105:03 TO 106:01 (RUNNING 00:01:04.290)
        03
                           THE WITNESS: So could you
        04
                   repeat the part of the question that I
        05
                   can answer?
        06
                          MR. MILLER: We'll have her
        07
                   read the question back.
        0.8
                          (Court Reporter read back
        09
                   question.)
        10
                          THE WITNESS: So again,
                   provided names, and Ashley and
        11
                   whomever he may have worked with was
        12
        13
                   responsible for ultimately deciding
        14
                   who was going to be on the panel.
```

QUESTIONS BY MR. MILLER:

Ο.

CONFIDENTIAL page 12

Well, we'll look at some more

documents in that regard then in a second.

```
Johnson v. Monsanto
         18
                            Let's finish Exhibit 3:11. The
              editor of the Critical Review of Toxicology,
         19
         20
              Roger McClellan, says on July 5, 2016, "If
         21
              there was any review of the reports by
         2.2
              Monsanto or their legal representatives, that
         23
              needs to be disclosed."
         24
                            Do you see that?
         25
                     Α.
                             I see that.
  00106:01
                            It was not disclosed, was it?
                     Q.
40. PAGE 106:04 TO 106:14 (RUNNING 00:00:30.268)
                            THE WITNESS: Again, I can only
                     tell you this is conversation -- well,
         05
                     not conversation. It's e-mail and
-KE0359 - Clear Attached Exhibit 0359
                     conversations between the two of them.
         80
                             I can only interpret what I
                     think they may have been talking
         09
                     about, and my -- and I've already told you, the only interpretation I can
         10
         11
         12
                     come up with is it was their paper,
                     and there was no substantive
         13
                     contribution from Monsanto.
41. PAGE 114:24 TO 114:25 (RUNNING 00:00:03.556)
                            You mentioned to us how Larry
              Kier got involved in this. Let's take a look
42. PAGE 115:11 TO 116:03 (RUNNING 00:00:51.006)
0361 -
```



```
11
                         He was being retained to be on
           a glyphosate expert panel, the one we've been
      12
      13
           talking about, right?
      14
                  Α.
                         Yes.
      15
                  Q.
                         Yes, sir.
           And his job was to support a panel review and analysis of the data on
      16
      17
           genotoxicity and oxidative stress, right?
      18
      19
                       Yes. This is what I explained
                 Α.
           previously, that we retained Larry originally
      2.0
      21
           not as to be an author. And I think that's
      22
           reflected in the detailed objectives there.
                         Recall how I explained that
      23
      24
           Larry had the best overall knowledge of the
           database, and so he was retained for purposes
00116:01
           of bringing everything together to support
           the review. And that's exactly what's
      02
      0.3
           reflected here.
```

#### 43. PAGE 116:09 TO 117:14 (RUNNING 00:01:13.830)

```
09
                     All right. He was supposed to
            Ο.
     support the genotoxicity and oxidative stress portion of the Intertek, and support the
10
11
12
     generation of a panel draft manuscript on
13
     glyphosate genotoxicity and oxidative stress,
14
     right?
15
                     That's exactly what I said
            Α.
16
     previously.
17
            Q.
                     Right.
18
                     And he wasn't supposed to be an
```

Ο.

#### Johnson v. Monsanto

```
author, but later he did, in fact, become an
        19
        20
              author, right?
        21
                           That is correct.
                    Α.
        22
                    Ο.
                           And these are the -- was he
        23
             paid more than this or -- or these amounts?
        24
                          I don't know what he was paid.
                   A.
        25
              I didn't -- I don't handle that.
  00117:01
                    Q.
                           All right, sir.
-KE0361 - Clear Attached Exhibit 0361
        02
                    Α.
                           I certainly don't keep track of
        0.3
              it.
        04
                           And to be clear, John
                    Ο.
        05
              Acquavella was paid by Monsanto for his
        06
              support as well, right, sir?
        07
                   Α.
                           The two of them -- as I've
              said, the two of them were initially
        80
        09
              consultants to Monsanto and later became
        10
              panelists and authors.
        11
                    Q.
                          I mean, would it be fair to say
        12
              there's two reasons why Monsanto would want
              to ghostwrite these things: It's cheaper and
        13
        14
              they get what they want, right?
44. PAGE 117:18 TO 117:25 (RUNNING 00:00:19.673)
                           THE WITNESS: As I've said
        19
                    before, this document was not
        20
                    ghostwritten. This document -- the
                    conclusions and documents came from
        21
        22
                    the panel. These are international
        23
                    experts, and it reflects their
        24
                    opinions on the data and their
        25
                    conclusions.
45. PAGE 118:04 TO 118:06 (RUNNING 00:00:15.046)
                    Q.
                           All right. Let's take a look
0362 -
        05
              at Exhibit 3:14, a series of e-mails between
        06
             you and others concerning IARC planning.
46. PAGE 119:03 TO 119:05 (RUNNING 00:00:03.963)
        03
                    Ο.
                           When you're ready, Doctor.
        04
                           I'm almost there.
                    Α.
                           No, I understand.
        05
                    Ο.
47. PAGE 119:06 TO 125:01 (RUNNING 00:07:00.430)
        06
                    Α.
                           Okay.
        07
                    Q.
                           All right, sir.
        08
                           Now, this is Exhibit 3-14, a
        09
              series of e-mails produced to us from you and
        10
              others in February of 2015, which to put this
        11
              in context, the original IARC report that
        12
              we've been talking about came out in March,
        13
              right, of 2015?
        14
                   Α.
                           That's correct.
        15
                    Q.
                           So this was an IARC planning
        16
              discussion here, right, sir?
        17
                           That's correct.
                    Α.
```

CONFIDENTIAL page 14

All right. So let's go to the

```
0362-002 -
        19
             second page of it and look at an e-mail from
        2.0
             you -- I said second page and I meant -- yes,
             sir, second page I meant. Sorry for the
        21
        22
             confusion.
                           And it's an e-mail from you to
        23
        24
             Donna Farmer and others regarding IARC
        25
             planning, right?
  00120:01
                   Α.
                           That's correct.
                   Ο.
                           All right. So -- and I just
             want to ask you a few questions about it.
        03
        04
             The two -- "Prior phone call the other day --
        05
             with John the other day" --
        06
                           Would that be John Acquavella?
        07
                   Α.
                           Yes.
        80
                   Q.
                           -- "the next two most important
             things that we are to do" -- I'm sorry. "The
        09
        10
             next most important things that we need to do
        11
             are the meta-analysis publication and the Ag
        12
             Health Study follow-up publication, assuming
             we can get our hands on the data in a
        13
        14
             reasonable time frame."
                           Okay. What was the plan there?
        15
        16
                           Well, there wasn't a plan.
        17
             This is -- as you've noted, this is in our
        18
             planning stages where we're more in a
        19
             brainstorming method -- or excuse me, mode.
        2.0
             We hadn't seen what IARC had done yet, so
        21
             these are things that we were considering at
        22
             that point in time.
        23
                          And so the Ag Health Study, if
        24
             you're asking me -- are you asking me about
        25
             the Ag Health Study?
  00121:01
                           I am, sir. Yes, sir.
                   Ο.
                   Α.
                           Okay. So that -- the Ag Health
             Study, we haven't talked about that, but that
        03
        04
             is a very large-scale study that is ongoing
        05
             here in the United States. It's an
        06
             epidemiology study. And that study is a very
             powerful study, in my opinion, much more
        07
        80
             powerful than the other -- some of the
        09
             case-control epidemiology studies. But
             anyway, it's a study that's ongoing.
        10
                           And when you look at that
        11
        12
             study, they collect data every year. That
             study started approximately 1994, and then
        13
        14
             they update that study on a yearly basis
        15
             after that.
                           If you look at the \ensuremath{\text{--}} and then
        16
             they would -- when they update it, if they
        17
        18
             have findings, then they will publish those
        19
             findings in a peer-reviewed journal. That's
        20
             what they do.
        21
                           And when you look at that
        22
             study, that study -- the last update on that
             was a publication that came out in 2005,
        23
             which actually had data collection. I
        24
        25
             believe data collection ended around 2001.
  00122:01
                          And so one of the thoughts was
        02
             that -- could take that study and add all the
             additional information that has been
        03
        04
             generated because we're sitting -- at this
        05
             point in time we're sitting at 2015. So it
        06
             seemed to us that there's a lot of
```

```
07
           information that's available, and why would
      0.8
           you not want to update that so you have a
      Λ9
           more thorough set of data. That's what was
      10
           going on there.
      11
                 Ο.
                        All right, sir. So in this
           e-mail in February 2015 to Donna Farmer and
      12
           others, you go on to say, "For the overall
      13
      14
           plausibility paper that we discussed with
      15
           John, where he gave us a butadiene example,
      16
           I'm still having a little trouble wrapping my
           mind around that. If we went full-bore
      17
      18
           involving experts from all the major areas,
      19
           epi, tox, genotox, mechanism of action,
           exposure - not sure who we'd get, we could be
      20
           pushing 250,000 or maybe even more."
      21
      22
                        That was sort of the genesis
      23
           for this Intertek panel, right?
                       Yes. As I already explained,
      24
                Α.
           this was kind of an evolving process, you
      25
00123:01
           know, brainstorming process. And originally
      02
           it was conceived as a plausibility paper,
      03
           which then did evolve into the more
           comprehensive expert panel.
      04
      05
                 Q.
                        Yes, sir.
                        And you go on to say, "A less
      06
      07
           expensive, more palatable approach might be
      80
           to involve experts only for the areas of
      09
           contention, epidemiology and possibly
           mechanism of action, depending on what comes
      10
           out of the IARC meeting, and we ghostwrite
      11
      12
           the exposure tox and genotox sections."
      13
                        You wrote that, right, sir?
      14
                 Α.
                        Yes, I wrote that. And as I
      15
           indicated just -- or as I said just a moment
           ago, again, this was early stage. This was
      16
           thoughts. It is not how it evolved.
      17
      18
                        As we already talked about, it
      19
           evolved into this comprehensive expert panel,
      20
           and it was not ghostwritten. It was written
      21
           by the experts themselves.
      22
                       Well, let's see what you wrote
                 Q.
      23
           in 2015.
                     "An option would be to add Greim
           and Kier or Kirkland to have their names on
      24
      25
           the publication, but we would keep the cost
00124:01
           down by us doing the writing, and they would
           just edit and sign their names, so to speak."
      03
                        That was the proposal in 2015,
      04
           right?
      05
                        No. As I just said, that
           was -- this is something that came out in a
      06
      07
           brainstorming mode of thinking. It was just
      80
           something that came out at that point in time
      09
           as a possibility to consider.
      10
                        It didn't get considered very
      11
           long, and obviously as I've said now, it's
      12
           not what happened. Same answer as I gave
      13
           previously.
      14
                        Well, you go on to say here,
           "Recall, that is how we handled Williams,
      15
           Kroes and Munro in 2000."
      16
      17
                        Do you see that?
      18
                        Yeah, I see that.
      19
                        Apparently I didn't have good
      20
           recollection, because that's not what
      21
           happened with Williams, Kroes and Munro in
      2.2
           2000.
```

14

15

16

17

18

#### Johnson v. Monsanto

Ο. Dr. Heydens, the truth is, you -KE0362-002 - Clear Attached Exhibit 0362-002 ghostwrote the Williams article in 2000, and you ghostwrote the Intertek article in 2016, 00125:01 correct? 48. PAGE 125:05 TO 125:08 (RUNNING 00:00:08.674) 05 THE WITNESS: That's absolutely 06 false. Did not ghostwrite the 2000 07 paper and did not ghostwrite this 2016 0.8 paper. 49. PAGE 125:19 TO 126:05 (RUNNING 00:00:22.296) 19 All right, Dr. Heydens, how are Q. 20 you? 21 Α. Doing good. All right, sir. 2.2 Q. Just before our break, your 23 answer was, in part, that it's absolutely 24 25 false that you ghostwrote any of the Intertek reports, right, sir? 00126:01 02 Α. That's correct. 03 All right, sir. The truth is Ο. 04 you wrote a draft introduction chapter for 05 those reports, didn't you? 50. PAGE 126:08 TO 128:02 (RUNNING 00:02:04.805) THE WITNESS: That's consistent 09 with what I said, really. So a couple 10 hours ago, whenever it was, when we 11 talked about it, I said that I 12 contributed some information that was 13 historical. 14 What you're referring to there, 15 again, reflects how the project 16 changed. So very early in the 17 process, kind of the model that we 18 were thinking of was that there was 19 actually going to be an introductory 2.0 chapter which really talked primarily about the history of everything that 21 had happened leading up to the panel 22 23 because, again, as I explained 24 earlier, nobody knows better than 25 Monsanto, you know, what that history 00127:01 was and really has the only records of 02 that. 03 So it was conceived that there would be an introductory chapter. We 04 05 really -- never really talked about 06 what the appropriate authorship for 07 that one was, and it just kind of hung 0.8 there as a draft while the panel was 09 doing their work. 10 And then when it got later in the process, I don't remember exactly when it was, but later in the process 11

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when Ashley was communicating with the

journal, it was -- the journal made

enough -- excuse me, there was not

the decision that there was not

introductory chapter interesting

enough information to make an

```
19
                   enough to be a standalone.
                           So what the journal decided to
        20
                   do instead was they instructed Ashley
        21
        22
                   to take the -- what would be
                   appropriate history, extract it from
        23
                   that article, which never happened,
        24
        25
                   and put it in the overall review
  00128:01
                   document which turned out being
                   Exhibit 3.4.
        02
51. PAGE 128:06 TO 128:09 (RUNNING 00:00:11.678)
        06
                          Let's take a look at some
        07
             e-mails from that period of time from you,
                                                                                   0363 -
        0.8
             sir. These have been marked as Exhibit 3:15,
        09
             produced by Monsanto in this litigation.
52. PAGE 128:10 TO 129:20 (RUNNING 00:01:35.760)
        10
                   Α.
                          Okay.
        11
                          Yes, sir. So Exhibit 3:15 is a
                   Q.
             series of e-mails between you and Ashley
        13
             Roberts about these expert panel manuscripts
        14
             written in January of 2016, right?
        15
                   Α.
                       Yes, that's correct.
        16
                   Q.
                          All right, sir. Now let's go
0363-002 -
             to the second page of -- and then we see an
        18
             e-mail from you to Ashley Roberts, and it's
             an update on the animal bioassay and summary
        19
        2.0
             chapters.
                          You go, "I'm not surprised at
        21
             the challenges with the summary chapter,
        22
             exclamation point, " right?
        23
                        Yes, that's correct. It's a
        24
                   Α.
        25
             very complex and complicated document.
  00129:01
                   Q.
                          Yes, sir.
        02
                          That you wrote, right?
                          That's not correct.
        03
        04
                         Here's what it says in
                   Q.
             January 2016. You said then, sir, "I had
        05
        06
             already written a draft introductory chapter
        07
             back in October/November."
        80
                          That's what happened, right,
        09
        10
                          Yeah, that's exactly what I was
             just talking to in the previous -- in my
        11
        12
             previous response.
0883-015 -
        13
                          Yet when we go to Exhibit 3:4
        14
             that you just pointed out, page 16, it says,
             "Neither Monsanto" -- "neither any Monsanto
        15
             Company employees nor any attorneys reviewed
        16
        17
             any of the expert panel manuscripts prior to
        18
             submission to the journal."
        19
                           You didn't just review them;
             you wrote them.
53. PAGE 129:24 TO 129:25 (RUNNING 00:00:04.247)
```

CONFIDENTIAL page 18

Wrote parts of the expert panel

Q.

25 report; you wrote them, right, sir? 54. PAGE 130:04 TO 131:09 (RUNNING 00:01:24.182)

```
04
                        THE WITNESS: I'll answer
      05
                 again: I wrote a draft introductory
      06
                 chapter for possible use back at the
      07
                 beginning, really, when the panel
      0.8
                 concept was coming together. That --
      09
                 and that -- the information that was
      10
                 in there, again, was historical. It
      11
                 had nothing to do with the panel
      12
                 deliberations. Didn't even deal with
                 the data at all because, again, it was
      13
      14
                 historical.
      15
                        Subsequently it was -- like I
                 said in the previous -- my previous
      16
      17
                 response, you know, moving forward and
                 getting later in time, the journal
      18
      19
                 editor didn't think it was even
      20
                 appropriate to have the chapter, so he
      21
                 had Ashley extract what would be
                 relevant historical information to
      22
      23
                 include in that publication, and
      2.4
                 that's what Ashley did.
      25
00131:01
           QUESTIONS BY MR. MILLER:
```

0363-002 -

O So you went back and letter

So you went back, and let's see Ο. what you said in 2016, January. 03 04 "But I wanted to go back and 05 re-read it to see if it could benefit from any 'refreshing' based on things that have 06 transpired over the last 10 to 12 weeks." 07 0.8 How much refreshing did you do, 09 Dr. Heydens?

55. PAGE 131:12 TO 131:18 (RUNNING 00:00:12.185)

12 THE WITNESS: I don't recall
13 doing any refreshing.
14 QUESTIONS BY MR. MILLER:
15 Q. It says, "I will do that in the
16 next few days."
17 Did you do that the next few
18 days?

56. PAGE 131:21 TO 132:19 (RUNNING 00:00:59.315)

THE WITNESS: I don't recall what was done. I might have gone back 22 and read it. I don't -- I don't 2.3 recall having doing that, and I don't 24 25 recall having modified anything. 00132:01 QUESTIONS BY MR. MILLER: 02 Ο. You write in January of 2016, "Then I was thinking I would run it by you 03 04 for your comments/edits." 05 That's what happened, right? No. I said that's -- you're 06 taking that out of -- you know, out of 07 80 context. I'm suggesting that I was going to 09 take a look and see if it needed any 10 refreshing. And then what that sentence is 11 saying, if there was going to be any 12 refreshing, I would send it back to him.



#### Johnson v. Monsanto

```
13
                           I don't recall that any
             refreshing -- as I said previously, I don't
        14
        15
             recall that that happened.
        16
                         You next write, "And then comes
                   Ο.
        17
             the question of who should be the ultimate
             author - you or Gary?"
        18
        19
                           Did you write that?
57. PAGE 132:22 TO 133:14 (RUNNING 00:00:39.122)
        22
                           THE WITNESS: Yes, I did, and
        23
                   it's -- that sentence there is
        2.4
                   referring back to this introduction
                   chapter which ultimately was not
        25
  00133:01
                   included in the paper.
        02
             QUESTIONS BY MR. MILLER:
        03
                          I was --
                   Ο.
        04
                           Or excuse me. Was not included
                   Α.
             in the publication. There were -- as I said,
        05
        06
             there was actually five papers that were
        07
             published around this. That introductory was
        0.8
             meant to be -- in its initial phases was
             meant to be -- the sixth one actually would
        09
             have been the first one, and like I said, it
        10
        11
             was subsequently dropped. And so five went
             forward, and this one did not.
        12
        13
                   Q. The introductory chapter was
             put in the ones that were published?
58. PAGE 133:17 TO 134:10 (RUNNING 00:00:42.511)
        17
                           THE WITNESS: So I think I
        1 8
                   previously explained, Ashley took the
        19
                   relevant -- information that he
        20
                   thought was relevant from the
                   introductory paper, and it was put
        21
                   into Exhibit 3.4, which is the overall
        23
                   review document. None of it was put
                   in the other documents, the other
        2.4
        25
                   four -- excuse me, not documents,
  00134:01
                   publications: the exposure, the gene
        02
                   tox, the bioassay and the
        03
                   epidemiology.
-KE0363-002 - Clear Attached Exhibit 0363-002
             QUESTIONS BY MR. MILLER:
        0.5
                         And that Exhibit 3:4 that you
                   Ο.
        06
             just pointed to is where that information was
        07
             put in.
        0.8
                           To be clear, you're not an
             author. You're not a listed author on that
        09
             document, are you?
59. PAGE 134:13 TO 134:18 (RUNNING 00:00:20.106)
        13
                           THE WITNESS: So which question
        14
                   would you like me to answer?
        15
                           MR. MILLER: The one I just
        16
                   asked. You can read it back, ma'am.
        17
                           (Court Reporter read back
        18
                   question.)
60. PAGE 134:21 TO 134:23 (RUNNING 00:00:04.903)
                           THE WITNESS: So, no, I'm not
        2.2
                   listed as an author on this paper. I
```

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think we've established that.

#### Johnson v. Monsanto

```
61. PAGE 144:21 TO 145:02 (RUNNING 00:00:16.826)
                           And you remember as he's
                    Ο.
             preparing his exposure piece, he was
        23
              concerned about the formulation, that is to
        24
              say glyphosate added with its surfactant, as
        25
             being toxic.
  00145:01
                           Do you remember that
              conversation?
        02
62. PAGE 145:09 TO 145:12 (RUNNING 00:00:07.632)
        09
                           THE WITNESS: I don't really
        10
                    recall. You'd have to let me see
        11
                    something that gives me a little bit
                    more information.
        12
63. PAGE 145:16 TO 145:24 (RUNNING 00:00:40.061)
                    Ο.
                           Let's take a look at the
0366 -
        17
             documents. Exhibit 3:18, produced by
             Monsanto in this litigation, a series of
        18
              e-mails between you, Donna Farmer and Ashley
        19
             Roberts at Intertek in August of 2007 -- I'm
        20
              sorry, '15.
        21
                           '15.
        2.2
                           Look it over. I only have a
        23
              few questions.
        24
                    Α.
                           Okay.
64. PAGE 145:24 TO 146:16 (RUNNING 00:00:41.242)
                           Okay.
        24
                    Α.
        25
                           All right. So there's a few
                    Q.
  00146:01
              questions based on this series of e-mails.
        02
             Best if we start at the back where -- on
0366-003 -
        03
             page 3935.
        04
                           This is an e-mail from, again,
        05
             Ashley Roberts to you and Donna Farmer,
        06
             right?
        07
                           That's correct.
                    Α.
                           Okay. And it's the subject
        0.8
                    Q.
        09
              "Keith."
                        That's Keith Solomon, right?
                           Yes, that would be correct.
        10
                    Α.
        11
                    Q.
                           "Just received a question from
        12
             Keith in response to my e-mail on the
        13
              exposure piece this morning."
        14
                           We're talking about the
        15
              exposure piece for the Intertek report,
        16
              right?
65. PAGE 146:20 TO 147:01 (RUNNING 00:00:26.259)
        20
                    Ο.
                            Is that right, sir?
        21
                            It's -- he's talking about
                    Α.
        22
              exposure.
        23
                           Would you repeat the question?
        2.4
                           MR. MILLER: Sure.
                            (Court Reporter read back
        2.5
  00147:01
                    question.)
66. PAGE 147:05 TO 148:01 (RUNNING 00:00:47.778)
```

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THE WITNESS: Yes, this

```
06
                   sentence was -- it's not exactly what
        07
                   the sentence says. Close.
        NΑ
                          But I can say that what we
                   are -- what he was talking about there
        Λ9
        10
                   is the exposure component that's part
                   of the expert panel review.
        11
             QUESTIONS BY MR. MILLER:
        12
        13
                   Q.
                          Right. Okay. So let's go back
             and look at what was said then.
        14
                         Ashley Roberts is talking to
        15
             you and Donna Farmer, and he says, "He" --
        16
        17
             now, you and I can agree "he" means Keith,
        18
             right?
        19
                          Here it means Keith.
                   Α.
        20
                   Q.
                          Yes, sir.
        21
                          "He has asked if we need to
        2.2
             give any consideration to exposure of
        23
             formulants."
        24
                          Now, so we understand,
             formulants means the glyphosate combined with
        25
  00148:01
             the surfactant, right?
67. PAGE 148:04 TO 148:18 (RUNNING 00:00:30.518)
        Λ4
                          THE WITNESS: So this is
                   something that he's writing. When I
        0.5
        06
                   look at the sentence, my
        07
                   interpretation of what he's saying
        0.8
                   there is -- or he would be -- anything
        09
                   that would be in the jug that you buy
        10
                   would be a formulant.
        11
             QUESTIONS BY MR. MILLER:
        12
                   Q. Okay.
        13
                         That's my interpretation of
                   Α.
             what he's saying.
        14
                   Q. All right. "He has asked if we
        15
        16
             need to give any consideration exposures of
        17
             formulants in the commercial product, at
             least in applicators."
        18
68. PAGE 148:22 TO 149:08 (RUNNING 00:00:36.066)
        22
                          Let's do it again. Quote --
             from Ashley Roberts to you and Donna Farmer
        23
        24
             on August 6, 2015. Quote, "He has asked if
        25
             we need to give any consideration to
  00149:01
             exposures of formulants in the commercial
             product, at least in the applicators? I was
        03
             under the impression that these were inert,
        04
             but reading a response in this morning in the
             Ecologist makes it sound like it is the
        05
        06
             combination that is toxic, exclamation point,
        07
             exclamation point, exclamation point."
        0.8
                          Did I read that correctly?
69. PAGE 149:13 TO 149:15 (RUNNING 00:00:04.110)
        13
                          Doctor, you can answer now. We
             appreciate the answer from counsel, but it's
        14
        15
             your turn.
70. PAGE 149:22 TO 150:03 (RUNNING 00:00:13.026)
                          I got an idea, Doctor. You
                   Ο.
        23
             read that sentence for me, please.
        24
                          Which sentence would you like
                  Α.
        25
             me to read?
  00150:01
                   Ο.
                          Starting at "he has asked" till
```

```
the end of where it says "toxic, exclamation
             point, exclamation point, exclamation point."
        0.3
71. PAGE 150:07 TO 152:03 (RUNNING 00:02:12.590)
                           THE WITNESS: "He has asked if
        80
                    we need to give any consideration to
        Λ9
                    exposures of formulants in the
        10
                    commercial product, at least in
        11
                    applicators? I was under the
        12
                    impression these were inert, but
        13
                    reading a response this morning in the
        14
                    Ecologist makes it sound like it is
                    the combination that is toxic, three
        15
        16
                    exclamation points."
        17
             QUESTIONS BY MR. MILLER:
                           So you write back in response
        18
                    Ο.
        19
              to that e-mail, don't you?
        2.0
                           I did respond.
                    Α.
        21
                           Yes, sir. And your response at
                    Q.
        22
             the top of that page, "Ashley" --
        23
                           Why don't you read your answer
        24
             for us, Doctor?
        25
                           Sure.
                    Α.
  00151:01
                           Do you want me to read the
        02
             entire?
        03
                           Please.
                    Ο.
        04
                           "Ashley, I think the short
                    Α.
        05
             answer is no. The focus of this is what is
        06
             the carcinogenic potential of glyphosate.
        07
             That said, the surfactant in formulation will
        80
             come up in the tumor promotion skin study
             because we think it played a role there."
        09
                           And one more point before we
                    Ο.
0366-002 -
             leave this document. If we could, sir, go to
        11
             Bates stamp 934, an e-mail from Donna Farmer
        12
        13
             copied to you and Ashley Roberts at Intertek.
        14
                           Do you see where I am, sir?
        15
                    Α.
                           Yes.
        16
                    Q.
                           Subject "Keith."
        17
                           Yes, I see that.
                    Α.
        18
                    Q.
                           So Donna Farmer is, according
        19
             to this e-mail, I quote, "I am pulling
        20
             together the background info for the animal
        21
             section and will send it to you later today
        22
             or tomorrow."
        23
                           Do you see that?
        24
                           Yes, I see that.
                           So it's fair to say not only
        25
                    Q.
  00152:01
             you are helping get this Intertek expert
        02
             panel report prepared, but Donna Farmer is
             working on it, too?
        0.3
72. PAGE 152:06 TO 152:18 (RUNNING 00:00:41.462)
        06
                           THE WITNESS: No, this is --
        07
                    this -- what Donna is talking about
                    here, this is the point in time when
        0.8
```

11 is -- if you recall, I said earlier

09

-KE0366-002 - Clear Attached Exhibit 0366-002

CONFIDENTIAL page 23

we're getting ready to do the panel. And so what Donna is talking about

05

Α.

Ο.

#### Johnson v. Monsanto

```
12
                    that Monsanto made any documents
        13
                    available that the experts may want to
        14
                    review, and so that's what Donna is
        15
                    talking about here, is she was pulling
        16
                    together studies and information for
        17
                    the expert panel members to read and
                    evaluate.
        18
73. PAGE 158:01 TO 158:08 (RUNNING 00:00:20.442)
  00158:01
                           The question is, sir: Are you
        02
              aware of Gary Marsh or Douglas Weed or David
              Garabrant or Thomas Sorahan ever getting
        03
              ahold of the Critical Reviews in Toxicology
        0.4
              and saying, "Hey, we know Monsanto saw this
        05
        06
              as a draft report"?
                            Are you aware of that or not?
        07
        0.8
                            That's all I'm asking.
74. PAGE 158:12 TO 158:13 (RUNNING 00:00:04.183)
                            THE WITNESS: I don't know what
                    conversations they might have had.
        13
75. PAGE 158:17 TO 158:19 (RUNNING 00:00:08.714)
        17
                           Let's take a look at whether
        18
              you, in fact, did edit this draft report, all
0368 -
              right, sir? Let's look at Exhibit 3-20.
76. PAGE 158:20 TO 158:23 (RUNNING 00:00:14.250)
        20
                            3-20, an e-mail from you with a
              summary article. I have a copy for you and a
        2.1
        22
              copy for counsel, produced by Monsanto in
        23
              this litigation.
77. PAGE 160:05 TO 160:06 (RUNNING 00:00:02.451)
                           Let me know when you're ready,
              Doctor.
78. PAGE 160:07 TO 160:23 (RUNNING 00:00:37.180)
        07
                    Α.
                            Okay.
        80
                    Ο.
                            Yes, sir.
        09
                           And starting at the bottom of
              the page there, it's an e-mail from Ashley
        10
              Roberts to you regarding the summary
        11
        12
              articles, right?
        13
                            "Hi, Bill, please take a look
        14
              at the latest from the epi group, four
        15
              exclamation points."
        16
                           Do you see that?
        17
                    Α.
                            Yes, I see.
        18
                            "Call me once you have digested
        19
              this."
        20
                            Do you see where he says that?
        21
                           Yes, I do.
                    Α.
                           And you tell him in your
        22
                    Ο.
              response that you edited it, right?
79. PAGE 161:03 TO 161:18 (RUNNING 00:00:32.536)
                    Q.
                           Right, Doctor?
```

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That's what's stated there.

Okay. Let's take a look at

0.8

00163:01

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```
06
             exactly --
        07
                   Α.
                          And this is -- this is really
             what we've already covered, but go ahead.
        0.8
        09
                           Thank you.
                   Ο.
        10
                           This is from William Heydens,
        11
             February, to Ashley Roberts: "Ashley, I have
             gone through the entire document and
        12
        13
             indicated what I think should stay, what can
        14
             go, and in a couple spots did a little
        15
             editing."
        16
                           So those are three of the
        17
             things you did to that Intertek epi report,
        18
             right?
80. PAGE 161:21 TO 166:16 (RUNNING 00:05:34.596)
                           THE WITNESS: So this is --
        21
        22
                   I'll go back, and we'll talk about
                   this again. This is what we had
        23
        24
                   talked about previously.
        25
                           So this is very late stage in
  00162:01
                   the process. Recall that I had
        02
```

So this is very late stage in the process. Recall that I had mentioned that when we first -- when this project started that there was going to be four reports, and at that point in time it was not envisioned that there would be a summary document and much less what the authorship might be.

So as the project progressed, the concept for the summary article progressed as well. And what I mean by that is it was decided that the summary -- the overall summary article would be authored by all -- was it 16? -- of them.

And so what we're looking at here, this is a point in the process. So initially they were reviewing their own sections, and so they very easily could agree amongst themselves. What I mean by that is the epidemiologists could agree amongst themselves what they thought they should say about the epidemiology, the gene tox folks, so on and so forth.

So now we've gone through that whole process and they're at the point where, as I just described, they're all going to be authors on this paper. So then they start reviewing each others' -- another -- you can think of it as another level of peer review, if you will, where they were reviewing what the others had written.

So in these e-mail communications, the epidemiologists did a very hard look at the animal --from the animal bioassay group, and they're actually critiquing -- the epidemiologists are actually critiquing some of the things that were said in the other; most notably, one of them that I'm looking at right here talking about Hill's criteria.

So the epidemiologists didn't

think that the toxicologists should be

| 22<br>23<br>24<br>25<br>00164:01<br>02<br>03<br>04<br>05<br>06                   | talking about Hill's criteria when and they're just flat out wrong, quite honestly, because if you go read, for instance, EPA's cancer risk assessment guidelines, which they used on glyphosate and use on other things as well, they very clearly say that there's a modified form of Hill's criteria. So anyway, there was questions amongst around them about that.  |
|--|--|
| 08<br>09<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21 | Another thing that sticks out in here, as I look at this, where there was some disagreement and I think we actually touched on this earlier in the day, where the different panels took somewhat different approaches. So I think I mentioned how the epidemiologists, when they did their review, they didn't really want to do it from the standpoint of here's what IARC got wrong. They did it just, what is all the data, what does the data tell us, here's our conclusions. |
| 21<br>22<br>23<br>24<br>25<br>00165:01<br>02<br>03                               | "the animal people when I say "the animal," I mean the animal bioassay group, because they worked in their sections in isolation previously. They did do some criticisms, some direct criticisms, of founded well-founded criticisms   |
| 04<br>05<br>06<br>07<br>08<br>09<br>10   | of IARC, and some reference of that made it into their publication. When the and some of that drained over into the overall review publication.  So when the epidemiologists saw that, they didn't think that it was appropriate. So there was some dialog back and forth about that.  |
| 12<br>13<br>14<br>15<br>16<br>17   | So when you look at this document here and you see some editing, what was going on at that point in time. John, being the good soul that he is, he stepped in and was trying to make it easy for Ashley —he was trying to be kind of a   |
| 19<br>20<br>21<br>22<br>23<br>24<br>25   | go-between, I guess, if you will, between the epidemiologists and Ashley and the animal people to try and bring this to some resolution.  And so John, as part of that, he suggested a number of edits which are reflected in this document. You   |
| 00166:01<br>02<br>03<br>04<br>05<br>06<br>07<br>08                               | can see some of them; you can't see others. I don't know why that is. There appears to be some problem with picking up the editing function.  But anyway, that's what happened. And then so Ashley that's what Ashley sent to me and basically said, "Hey, look what John did."  |
| 10<br>11<br>12   | And I went through his comments. And that's what we talked about earlier this morning where I  |

#### Johnson v. Monsanto

```
13
                   said I made some comments about John's
        14
                   comments, sent them back to Ashley,
        15
                   and then Ashley dealt with them as
        16
                   he -- as he saw appropriate.
81. PAGE 166:25 TO 167:04 (RUNNING 00:00:15.976)
                          Let's look at Exhibit 3-20.
  00167:01
             You decided on this draft after report what
             you thought should stay, what can go, and in
        0.3
             a couple of spots did a little editing.
                          That's true, isn't it, sir?
82. PAGE 167:11 TO 167:17 (RUNNING 00:00:11.762)
        11
                          Should we go through the
                   Α.
        12
             document --
                          I would like you to answer my
        13
                   Q.
             question, Dr. Heydens. I don't think that's
        14
        15
             unreasonable. Let me ask the question again.
        16
                          You decided, sir, what I think
             should stay; is that true, sir, or not true?
83. PAGE 167:20 TO 168:10 (RUNNING 00:00:41.689)
        20
                          THE WITNESS: I did not decide.
        21
                   I -- as I just gave in my previous
        22
                   testimony, I made my suggestions about
        23
                   John's suggestions. I didn't decide
        2.4
                   anything. Ashley decided everything.
        25
  00168:01
             QUESTIONS BY MR. MILLER:
                          You indicated what could go,
        02
                   Q.
        03
             didn't you, Dr. Heydens?
        04
                   A. Okay. For the third time, I
             will say that I gave my opinion, my
        05
             suggestions, about John's suggestions. I
        07
             gave that information to Ashley, and Ashley
        80
             resolved it the way he saw fit.
        09
                          And you did a little editing;
                   Q.
        10
             isn't that true, Dr. Heydens?
84. PAGE 168:13 TO 169:04 (RUNNING 00:00:39.630)
                           THE WITNESS: I previously
        13
        14
                   indicated that there was some minor
        15
                   editing that was offered. It is not
                   substantial -- it's not about -- it's
        16
        17
                   really just minor editing. It has
        18
                   nothing to do with the conclusions or
        19
                   the evaluations that the expert panel
0883-015 -
                   did.
        20
             QUESTIONS BY MR. MILLER:
        21
                   Q. And let's go back then to
        2.2
             Exhibit 3:4, page 16 -- you have a copy
        23
             there, sir -- where it says, "Neither any
        24
        25
             Monsanto Company employees nor any attorneys
  00169:01
             reviewed any of the expert panel manuscripts
        02
             prior to submission to the journal."
        03
                          Can't you now at least agree
        04
             that's a lie?
85. PAGE 169:08 TO 170:01 (RUNNING 00:00:51.910)
                           THE WITNESS: So we talked
```

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about that earlier this morning, and I

```
10
                   gave you my thoughts on that. And I
        11
                   recall that my thoughts were that,
        12
                   first of all, that is something that
                   was written -- that came from the
        13
        14
                   Intertek panel. Those are not my
        15
                   words.
        16
                           I gave you my interpretation of
        17
                   what I thought it might mean, and my
                   interpretation of what it might mean
        18
        19
                   is they didn't really take anything
        2.0
                   from anybody that -- it's the expert
        21
                   panel, it's what they wrote, it's
        22
                   their thoughts, their conclusions.
        23
                   Did not -- Monsanto, myself, did not
                   influence any of that. So perhaps
-KE0883-015 - Clear Attached Exhibit 0883-015
                   that was what they were thinking when
  00170:01
                   they wrote that same statement.
86. PAGE 170:14 TO 170:18 (RUNNING 00:00:09.708)
                          Let's talk now -- it wasn't
             just the epidemiology section that you
        15
             reviewed before publication and chose to
             edit. You looked at the genotox section,
        17
```



- too, didn't you?
- 87. PAGE 170:21 TO 170:24 (RUNNING 00:00:09.149)
  - THE WITNESS: So again, you 22 said I chose to edit. I offered 23 suggestions, and Ashley did what he 2.4 wanted with them.

#### 88. PAGE 171:03 TO 171:07 (RUNNING 00:00:16.730)

03 Let's look at a document quickly to show your receipt of the genotox

#### 0369 -

report. Exhibit 3-21, produced by Monsanto 05 in this litigation. I have a copy for you, 06 07

#### 89. PAGE 171:08 TO 171:22 (RUNNING 00:00:35.125)

NΑ Α. Yes. 09 Yes, sir. Q. 10 So in this e-mail it shows, 11 fair to say, sir, that in fact you did 12 receive the genotox report prior to 13 publication, right? 14 He sent this to me and he said 15 for your review, but I probably -- I did not review it, and I'm not qualified to review 16 17 it, quite honestly. I mean -- yeah. 18 Q. So --19 I saw it, that's true. I did Α. 20 see it. 21 But you put it in the corner,

didn't read it; is that your testimony?

#### 90. PAGE 172:02 TO 172:05 (RUNNING 00:00:08.440)

02 Is that your testimony?

21

22

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-KE0369 - Clear Attached Exhibit 0369
        03
                    Α.
                          I might have opened -- I'm sure
        04
              I opened it up and took a look at it, and I
              doubt very much that I offered anything.
91. PAGE 172:06 TO 172:08 (RUNNING 00:00:06.653)
        06
                           You also saw the exposure
              section of the Intertek report before it was
        07
        0.8
              published, right, sir?
92. PAGE 172:11 TO 172:20 (RUNNING 00:00:24.896)
                           THE WITNESS: Yeah, can we see
        11
        12
                    it, please?
        13
             QUESTIONS BY MR. MILLER:
        14
                  Q. Do you remember seeing it
        15
              without looking at documents?
        16
                   A. I'm sure I had a look at some
             point, but, again, I'm not an exposure
        17
             person. I don't recall that I would be even
        18
        19
              in a position to offer any meaningful review
              of that document.
        20
93. PAGE 174:09 TO 174:11 (RUNNING 00:00:06.675)
                           Okay. Now, Monsanto sent this
              Intertek report to the Environmental
        10
        11
              Protection Agency, right?
94. PAGE 174:14 TO 174:20 (RUNNING 00:00:20.598)
        14
                           THE WITNESS: I would have
                    to -- that would not be mine to do, so
        15
        16
                    I'm not sure. It's possible.
        17
              QUESTIONS BY MR. MILLER:
        18
                           Well, if Monsanto sent it to
                    Q.
              the EPA as the work of independent
        19
              scientists, would that be a true statement?
95. PAGE 174:24 TO 176:06 (RUNNING 00:01:30.080)
        2.4
                           THE WITNESS: So my answer
        25
                    would be yes. Again, what we have
  00175:01
                    been going through is you are showing
        02
                    records that the expert panel work
        03
                    product came my direction.
        04
                           But I will say it again: Other
        05
                    than the historical information that
        06
                    we've already discussed and the
        07
                    suggested edits on somebody else's
                    edits, which I have no idea what
        0.8
        09
                    Ashley actually did with them, other
        10
                    than that, this is the expert panel's
        11
                    conclusions.
        12
                           What's really important about
        13
                    these five papers and their work
                    product is that they reviewed the
        14
        15
                    data, they came to their conclusions,
                    and it's their conclusions and it's
        16
        17
                    their document.
        18
                           So the fact that these
        19
                    documents at some point in time may
```

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have come to me or did come to me have

nothing to do with what they concluded

and the validity of their evaluation.

QUESTIONS BY MR. MILLER:



Q.

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```
24
                            Well, what's really important
                     Ο.
              about the IARC review is 17 independent
         25
  00176:01
              scientists spent eight days reviewing the
         02
              data, publicly available data, and concluded
         03
              that Roundup, glyphosate, was a probable
              human carcinogen for non-Hodgkin's lymphoma.
         04
         05
                            That would be important,
         06
              wouldn't it?
96. PAGE 176:12 TO 177:07 (RUNNING 00:00:53.838)
              A. The IARC group did meet. I'm not sure if it was exactly eight days. They
         12
         13
         14
              did meet, and they evaluated during that
              period of time -- I think it's important to
         15
         16
              note that during that period of time they
              evaluated glyphosate and, I believe it was,
         17
         18
              four other chemicals. I believe there were
         19
              five chemicals.
         20
                            So their eight days was diluted
         21
              down, if you will, over five chemicals, so
              they didn't spend all that time talking about
         22
              glyphosate. They spent about one-fifth of their time. That's the first point that I
         23
         24
         25
              would make.
  00177:01
                            And the second point that I
         02
              would make is, you know, for reasons which
              we've not discussed yet, I believe that the
         03
              IARC evaluation was not a proper evaluation
         04
         05
              of the glyphosate database.
         06
                    Q.
                            Do you have stock options in
         07
              Monsanto?
97. PAGE 177:10 TO 177:10 (RUNNING 00:00:01.866)
        10
                            THE WITNESS: I do.
98. PAGE 178:24 TO 179:03 (RUNNING 00:00:08.952)
         24
              QUESTIONS BY MR. MILLER:
         25
                            Do you know who Jim Parry is?
  00179:01
         02
                            Yes. If it's the person I'm
                     Α.
         0.3
              thinking of, yes.
99. PAGE 190:21 TO 190:24 (RUNNING 00:00:20.501)
         21
                     Q.
                            All right. Let me show you
                                                                                        0373 -
              what we're marking as Exhibit 3:25, an e-mail
         2.2
         23
              from you in the year 2010 with a PowerPoint
              attached. A copy to you and counsel. Here
100. PAGE 190:25 TO 190:25 (RUNNING 00:00:02.112)
         25
              you go, sir.
101. PAGE 191:13 TO 192:19 (RUNNING 00:00:57.152)
                            THE WITNESS: Okay.
         13
              OUESTIONS BY MR. MILLER:
         14
         15
                            Yes, sir.
         16
                            Now, this is an e-mail exchange
         17
              between you and David Saltmiras?
         18
                    Α.
                            Yes.
         19
                            And David --
                    Q.
         20
                            David Saltmiras.
                    Α.
```

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Excuse me, David Saltmiras.

```
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        22
                           And David Saltmiras is also an
        23
             employee at Monsanto?
        24
                           That is correct.
                   Α.
        25
                           Also a toxicologist?
                    Ο.
  00192:01
                   Α.
                          That is correct.
        02
                   Ο.
                          And fair to say, correct me if
             I'm wrong, that this is an e-mail exchange
        0.3
        04
             about a slide deck that he was working on and
        05
             you looked at; is that fair?
        06
                           This deck appears to be a deck
                   Α.
        07
             that he put together for a presentation.
        80
                           Yes, sir.
                   Q.
        09
                           And he sent to you in 2010, and
             you reviewed it; is that fair?
        10
                         It's attached to the e-mail, so
        11
                   Α.
        12
             I assume it's the one that I reviewed.
        13
                           Yes, sir.
                   Q.
                           And I just have a few
        14
        15
             questions, and I don't think -- well, that's
        16
        17
                           If you could turn to the
0373A-010 -
             publications page. And it's not marked, so I
        19
             don't know what page that is.
102. PAGE 192:20 TO 193:09 (RUNNING 00:00:23.098)
                           Do you see that, sir, the
        21
             publications page?
        22
                           I have a slide up, yes, I see
                   Α.
        23
             that slide.
        24
                   Q.
                           Yes, sir.
                           And so it says "Williams, et
        25
  00193:01
             al., 2000." That's the paper we've been
        02
             discussing, right?
        03
                           That is correct.
                   Α.
                           And it says, "An invaluable
        04
             asset, " right, sir?
        0.5
        06
                   Α.
                           That's what he has written
        07
             there, yes.
        80
                   Q.
                           And that's a fair
        09
             characterization, you would agree?
103. PAGE 193:12 TO 194:03 (RUNNING 00:00:44.825)
        12
                           THE WITNESS: So the Williams
        13
                    paper, the way I would characterize
                    the Williams paper -- I think we
        14
        15
                    talked a little bit about it this
                   morning -- that was the first time
        16
        17
                   that -- all the glyphosate toxicology
```

# 02

00194:01 is that Monsanto responses to agencies? Is that one of the things the Williams paper was

very important paper.

QUESTIONS BY MR. MILLER:

data that existed for regulatory

first time that it was compiled

purposes in the publications, the

together and reviewed by basically

international experts. So that was a

Q. And what David Saltmiras says

used for?

18

19

20

21

22

23

24

25

#### 104. PAGE 194:06 TO 194:11 (RUNNING 00:00:07.981)

06 THE WITNESS: I'm not sure I

```
07
                   know what he means by that.
        0.8
             QUESTIONS BY MR. MILLER:
        09
                   Q.
                         Do you know if the Williams
             paper was used for scientific affairs
        10
        11
             rebuttals?
105. PAGE 194:14 TO 195:02 (RUNNING 00:00:28.212)
                          THE WITNESS: Yeah, again,
                   you'd have to let me see some
        15
                   document. I don't know what, you
        16
        17
                   know, he'd be talking about there.
        18
             QUESTIONS BY MR. MILLER:
                        I didn't write this.
        19
                   Q.
        20
                          I didn't either.
                   Α.
        21
                   Q.
                         Do you understand -- let me ask
        22
             my question then.
                          Do you understand what David
        23
             Saltmiras meant when he said in the slide
        24
             panel that you reviewed in 2010 that it was
        25
  00195:01
             going to be used for scientific affairs
             rebuttals?
        02
106. PAGE 195:05 TO 195:11 (RUNNING 00:00:09.248)
                          THE WITNESS: Yeah, I don't
        06
                   know. I mean, I'm looking at it now,
        07
                   and I don't know exactly what David
                   meant by that.
        0.8
             QUESTIONS BY MR. MILLER:
        09
        10
                          Do you know what the word
                   Ο.
             "rebuttals" means?
        11
107. PAGE 195:14 TO 196:15 (RUNNING 00:01:05.896)
                          THE WITNESS: I know what the
        14
                   word "rebuttals" means to me in this
        15
        16
                   context.
        17
             OUESTIONS BY MR. MILLER:
        18
                          Is what?
                   Q.
        19
                          Well, to me it's scientific
                   Α.
        20
             affairs assessments or reviews. We do a
        21
             number of those where publications come out.
             I think we probably talked about some of
        22
             them. Publications come out, and we have
        23
        24
             those papers -- we will review those papers,
             either ourselves and/or with other experts,
        25
  00196:01
             to understand what those papers are saying,
        02
             to understand if it's really -- if it's an
        03
             example of good science or if there's perhaps
             some problems with the paper. And maybe
        04
             there's not problems with the paper. And
        05
        06
             then maybe we need to understand more why the
        07
             results were there, and we may need to do
        0.8
             some work to do that.
        09
                          So I look at it as a process of
        10
             assessing other people's scientific
             information. That's what I see when I look
        11
        12
             there.
        13
                          Do you understand also that the
             publication Williams was going to be used for
        14
             regulatory reviews?
108. PAGE 196:18 TO 196:23 (RUNNING 00:00:17.358)
                          THE WITNESS: Yeah, I don't
        18
        19
                   know if it was. You'd have to -- we'd
        20
                   have to look at that.
```

```
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             OUESTIONS BY MR. MILLER:
        22
                    Q.
                           Go to the page of the deck that
0373A-015 -
             starts with political science.
109. PAGE 196:24 TO 197:08 (RUNNING 00:00:27.545)
        24
                           Do you have that page, sir?
        25
                    Α.
                           Yes, I do.
  00197:01
                    Q.
                           Dr. Saltmiras writes in that
        02
             section that "Williams has served us well in
             toxicology over the last decade."
        04
                           Do you see that, sir?
        05
                           I do see that.
                    Α.
        06
                           Did you have any questions
                    Q.
        07
             understanding what that meant when he
        80
             e-mailed that to you in 2010?
110. PAGE 197:11 TO 197:17 (RUNNING 00:00:12.314)
                           THE WITNESS: I don't recall
        11
        12
                    what I might have thought when I saw
        13
                    this in 2010.
             QUESTIONS BY MR. MILLER:
        14
                         Would it be fair to say now
        15
        16
              that Williams has served Monsanto well in
        17
             toxicology over the last decade?
111. PAGE 197:20 TO 198:12 (RUNNING 00:00:46.597)
                           THE WITNESS: What I would say
                    is really what I said before: This
        2.1
        22
                    was -- it was a very important paper
        23
                    because it was the first of its kind,
        24
                    it was comprehensive of everything
        25
                    that was out there up to that point in
  00198:01
                    time, and it was a very, like I said,
                    important paper for glyphosate.
        02
                           So if people wanted to
        03
        04
                    understand what the science of
        05
                    glyphosate says, that they had in one
                    place a full review. That paper had
        06
        07
                    not only the toxicology -- I failed to
        80
                    mention previously toxicology of
        09
                    glyphosate -- but it also looked at
        10
                    surfactant. It looked at everything.
                    It looked at some formulations. So it
-KE0373A-015 - Clear Attached Exhibit 0373A-015
                    was a very important document.
112. PAGE 219:12 TO 219:15 (RUNNING 00:00:12.188)
        12
                           Well, two months before that
        13
             you wrote an e-mail where you said you would
        14
             manage your experts as authors.
                           Do you remember that, sir?
        15
113. PAGE 219:18 TO 220:02 (RUNNING 00:00:24.143)
```

```
18 THE WITNESS: I don't remember

19 that.

20 (Heydens Exhibit 3-30 marked

21 for identification.)

22 QUESTIONS BY MR. MILLER:

23 Q. Let's take a look at it.
```

09

10

```
0378 -
        2.4
             Exhibit 3-30, an e-mail you sent in May
             of '79. I have a copy for you and counsel.
        25
  00220:01
                           '79 or '99?
                    Α.
        02
                    Q.
                           Excuse me, '99. My fault.
114. PAGE 220:03 TO 220:22 (RUNNING 00:00:52.717)
        03
                    Α.
                           Okay.
        04
                           Yes, sir.
                    Ο.
        05
                           This is an e-mail that you
             wrote in May of '99, right, sir?
        06
        07
                           That appears to be correct,
                    Α.
        0.8
             yes.
        09
                           And you wrote it to a William
                    Q.
        10
             Graham, also a Monsanto employee?
        11
                           Yes, that is correct.
                    Α.
        12
                    Ο.
                           And I just want to go over a
        13
             few points in it. Your point number 2:
        14
              "Outside scientific experts who are
        15
             influential at driving science, regulators,
        16
             public opinion, et cetera, we would have
             they" -- I think you meant "the," but I'll
        17
        18
             ask you -- "we would have the people directly
        19
             or indirectly behind the scenes work on our
        20
             behalf."
        21
                           Was that part of your strategy
             in May of 1999?
        22
115. PAGE 221:01 TO 221:13 (RUNNING 00:00:33.966)
  00221:01
                           THE WITNESS: Those words are
                    written there. I don't remember this
        02
        03
                    e-mail.
        04
             QUESTIONS BY MR. MILLER:
        05
                          Was one of your jobs to --
                   Ο.
             quote, "Monsanto people who are responsible
        06
        07
             for dissemination and coordination of
        80
             scientific information within and outside of
        09
             Monsanto. They will play a role in
        10
             establishing and, quote, managing
        11
             relationships with outside experts."
        12
                           My question to you, sir, is:
             Why did you put "managing" in quotes there?
        13
116. PAGE 221:17 TO 222:10 (RUNNING 00:01:00.763)
                           THE WITNESS: So as I said just
                    a moment ago, I don't remember this
        18
        19
                    e-mail. As I look at it now, I would
        20
                    interpret that as just meaning who has
        21
                    the contact relationship.
        22
                          Usually with -- quite often,
        23
                    anyway, with -- different scientists
        24
                    would have perhaps different key
        25
                    contact points. So, for instance, if
  00222:01
                    an external scientist was a genetic
                    toxicologist, then we might have one
        02
        03
                    of our own genetic toxicologists be
                    the contact person for that. So
        04
        05
                    that's what I think I meant by that.
        06
             QUESTIONS BY MR. MILLER:
        07
                          And number 4 you write, "As far
                    Q.
```

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Was that one of your jobs?

as how we get, quote, people to get up and

shout glyphosate is nontoxic, " end quote.

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| 117. PAGE 222:1  | 15 TO 222:15 (RUNNING 00:00:02.046)  |  |  |  |
|--|--|--|--|--|
| 15   | Q. Was that one of your jobs, sir?   |  |  |  |
| 118. PAGE 222:1  | 17 TO 222:25 (RUNNING 00:00:20.614)  |  |  |  |
| 17<br>18<br>19<br>20<br>21<br>22   | THE WITNESS: No. As I stated this morning, it really my job is to make sure that the best science gets conducted on glyphosate and the best science using sound principles is communicated. That's always been my  |  |  |  |
| -KE0378 - Cle  | ar Attached Exhibit 0378   |  |  |  |
| 23<br>24<br>25   | role in glyphosate.  QUESTIONS BY MR. MILLER:  Q. Have you been media trained?   |  |  |  |
| 119. PAGE 223:0  | 04 TO 223:07 (RUNNING 00:00:08.203)  |  |  |  |
| 04<br>05<br>06<br>07   | THE WITNESS: Certainly not in the last 20 years that I can remember.  I didn't go out on the speaking circuit.   |  |  |  |
| 120. PAGE 223:0  | 09 TO 223:09 (RUNNING 00:00:02.182)  |  |  |  |
| 09   | Q. That was Donna Farmer's job?  |  |  |  |
| 121. PAGE 223:1  | 12 TO 223:14 (RUNNING 00:00:05.905)  |  |  |  |
| 12<br>13<br>14   | THE WITNESS: Donna certainly plays a role in communication of science.   |  |  |  |
| 122. PAGE 223:1  | 16 TO 223:18 (RUNNING 00:00:12.391)  |  |  |  |
| 16<br>17<br>18   | Q. By 2014 you knew that glyphosate was vulnerable in the area of epidemiology, didn't you, sir?   |  |  |  |
| 123. PAGE 223:2  | 21 TO 224:08 (RUNNING 00:00:28.936)  |  |  |  |
| 21<br>22<br>23<br>24<br>25<br>00224:01<br>02<br>03<br>04<br>05<br>06<br>07 | THE WITNESS: So in 2014, I was aware that there were and I think we discussed some of them this morning. I was aware that there were epidemiology studies out there, most of which believed to have serious and significant flaws.  QUESTIONS BY MR. MILLER:  Q. Epidemiology wasn't the only area of vulnerability, right?  You were concerned about exposure, genotox and mode of action, weren't you? |  |  |  |
| 124. PAGE 224:11 TO 224:20 (RUNNING 00:00:29.595)                          |  |  |  |  |
| 11<br>12<br>13<br>14<br>15<br>16<br>17<br>18                               | THE WITNESS: And I think we covered some of these this morning as well, but much like there was we knew in 2014 that there were some tox excuse me, epidemiology studies that had serious problems with them. We know that there were also some gene tox and, I would say loosely, mode-of-action studies that   |  |  |  |

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had serious flaws with them as well.

06

07

when IARC met, right?

Yes, sir.

Α.

Q.

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#### 125. PAGE 224:24 TO 225:02 (RUNNING 00:00:09.190)

```
0294 -
                    Ο.
                           Let's look at Exhibit 3:31, an
             e-mail produced by Monsanto in discovery
        25
  00225:01
             here, prepared by you. And I have a copy for
             you and counsel.
        02
126. PAGE 225:03 TO 226:11 (RUNNING 00:01:33.473)
        03
                    Α.
                           Okay.
        04
                    Ο.
                           Do you remember this e-mail?
                           This one is closer in time, so
        05
                    Α.
        06
             I do have some familiarity with this.
        07
                           This is an e-mail from you to
                    Q.
        0.8
             others within Monsanto, including Donna
        09
             Farmer, right?
        10
                           It was principally aimed at
                   Α.
        11
             Richard Garnett, who was the single person in
        12
             the "to" category.
        13
                   Q.
                           Copied to Donna Farmer then,
        14
             fair enough?
        15
                    A.
                           Others were copied, including
        16
             Donna.
        17
                           And it was to Richard Garnett.
                    Ο.
             He was an employee located in Europe?
        18
                           Yes, he is an employee in
        19
                   Α.
        20
             Europe.
        21
                           And my reason for sending it to
        22
             him is going on in the background during this
        23
             time frame -- actually, gosh, starting
             approximately 2009, glyphosate was going
        24
        25
             through re-registration in the European
  00226:01
             Union, and there's -- I forget the exact
             number, but there's approximately 25
        02
             registrants that formed a task force to
        0.3
        04
             re-register glyphosate. And at this point in
        05
             time, Richard was the chair of that task
        06
             force.
        07
                    Q.
                           Yes, sir.
        0.8
                           And to put this in context, by
        09
             October of 2014, you knew that in 2015 IARC
             was going to do their review of glyphosate,
        10
        11
127. PAGE 226:14 TO 228:12 (RUNNING 00:02:16.404)
                           THE WITNESS: It was sometime
        15
                    in the fall of 2014. I would need
                    documentation to know exactly when we
        16
        17
                    became aware of that.
             QUESTIONS BY MR. MILLER:
        18
        19
                           Yes. sir.
                    Ο.
        20
                           So here we are now in October
             of 2014. You send this e-mail out to Richard
        21
        22
             Garnett, copied Farmer and others, and the
        23
             bottom line of the call was that there really
        2.4
             was no meaningful publication that we can
             complete prior to the February submission to
        25
  00227:01
             positively impact the epidemiological -- I'm
             sorry, the epidemiology discussion outcome in
        02
        03
             March.
        0.4
                           Now, March is -- of 2015 is
```

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IARC did meet in March of 2015.

00230:01

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```
80
                           You go on to write, quote, "One
        09
             has to consider that this situational timing
        10
             did not happen by chance and that more than
             just pure bad luck is working against
        11
        12
             glyphosate," end quote.
        13
                           What did you mean by that?
        14
                           What I meant by that was the
        15
             timing when we found out about this. Like as
             we talked about in the previous question, my
        16
        17
             recollection is that it was very late in
        18
             September. For some reason the 29th of
        19
             September comes to mind.
        20
                           And we've already talked that
             the IARC review actually took place in March of the following year. That's a real short
        21
        22
        23
             span of time.
        2.4
                           If you go and read the --
             what -- how IARC says they do their
        25
  00228:01
             procedures, they say that they generally take
             a year of time. From the time they decide
        02
        03
             to -- that they're going to actually review a
        04
             compound to the time they actually review it
        05
             is a year.
        06
                           The fact that it happened very,
        ٥7
             very quickly and very, very quietly suggests
        0.8
             that there perhaps was some -- there was a
        09
             reason why that happened. That didn't happen
        10
             by accident.
        11
                   Ο.
                           Well, why do you think it
        12
             happened?
128. PAGE 228:16 TO 229:16 (RUNNING 00:01:03.751)
        16
                           THE WITNESS: You would have to
        17
                   ask IARC why that happened.
             QUESTIONS BY MR. MILLER:
        18
        19
                          All right. Well, what we know
                   Ο.
        20
             from looking at your e-mail is that, quote,
        21
             "And while we have vulnerability in the area
        2.2
             of epidemiology, we also have potential
        23
             vulnerabilities in other areas that IARC will
             consider, namely, exposure, genotox and mode
        24
             of action, paren, David has the animal onco
        25
  00229:01
             studies under control."
        02
                           What did you mean by that?
        03
                           Which part of that sentence
        04
             would you like me to respond to?
        05
                           Well, that's fair. Let's break
                   Ο.
        06
             it down.
        ٥7
                           You agree, sir, that you had
             vulnerabilities in the areas of epidemiology,
        80
        09
             right?
        10
                           I told you previously that
        11
             there was some flawed studies out there.
        12
                           Yes, sir.
        13
                           And you agree you have
        14
             vulnerabilities in other areas that IARC will
             consider. Exposure means how much the person
        15
             is exposed to the product, right?
129. PAGE 229:22 TO 230:05 (RUNNING 00:00:20.098)
                           So for that one, as I look at
        2.2
             the sentence there, I'm naming some of the
        23
        24
             areas that they look at. Because really for
```

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exposure, there's really no vulnerabilities.

The exposure is what the exposure is, and

```
02 it's just a matter of documenting that.

03 Q. And by genotox, the

04 vulnerability in genotox, explain to us what

05 genotox is.
```

#### 130. PAGE 230:09 TO 230:16 (RUNNING 00:00:16.674)

```
Λ9
                 THE WITNESS: Genotoxicity
          refers to whether or not -- it's the
10
11
          study of whether or not a chemistry
12
          can alter or impact DNA.
    QUESTIONS BY MR. MILLER:
13
14
         Q.
                 What did you mean by
    exposure -- I'm sorry, vulnerability in mode
15
    of action? What is mode of action?
16
```

#### 131. PAGE 230:22 TO 231:22 (RUNNING 00:01:01.759)

```
22
                       So mode of action refers to --
          basically it's answering the question if a
      23
      24
          chemical does produce an adverse effect.
          Mode of action investigation would ask the
      25
00231:01
          question: How does the chemical do that, and
      02
          is it relevant to humans.
      03
                       Yes, sir.
                Ο.
                       And when you say "David" here,
      04
      05
          you're referring to David Saltmiras, aren't
      06
          you?
      07
                       I am referring to David
      80
          Saltmiras.
      09
                       Saltmiras.
               Q.
      10
                       And you said that "David has
      11
           the animal onco," meaning oncology?
      12
                A. Onco meaning oncogenicity.
      13
                       Oncogenicity.
                Q.
      14
                       Explain to us lay folks what
      15
          oncogenicity refers to.
      16
               A.
                      Oncogenicity refers to does
      17
          the -- studying if the chemical has the
      18
          potential to produce tumors.
                      And you say in paren, "David
      19
                Q.
      20
          has the animal oncogenicity studies under
      21
           control."
                       What do you mean by that?
```

#### 132. PAGE 232:01 TO 233:23 (RUNNING 00:02:25.135)

| 00232:01<br>02<br>03<br>04<br>05 | THE WITNESS: So what I meant<br>by that is at that point in time we<br>had already made the decision that<br>so recall that I told you a few |
|----------------------------------|--|
| 06                               | minutes ago that as part of this overall review process that we found  |
| 07                               | out well, we say found out. It   |
| 08                               | came up that there was other   |
| 09                               | several other oncogenicity studies   |
| 10                               | that had been conducted by other   |
| 11                               | registrants.   |
| 12                               | And so the task force that's   |
| 13                               | referred to here made the decision   |
| 14                               | that it would be a good idea to  |
| 15                               | publish the results of those   |
| 16                               | oncogenicity studies in the  |
| 17                               | peer-reviewed literature, complete   |
| 18                               | with individual data tables so that  |
| 19                               | other scientists could see the data  |
| 20                               | for themselves.  |
| 21                               | And so David was working with  |

#### Johnson v. Monsanto

```
22
                    experts to make sure that that
        23
                    information got published.
        24
              QUESTIONS BY MR. MILLER:
        25
                           The next sentence you write
                    Ο.
  00233:01
             here, sir, is, quote, "If there is a force
             working against glyphosate, there is ample
        02
              fodder to string together to help the cause,
        0.3
        04
              even though it is not scientifically
              justified in its purest form."
        05
        06
                           What did you mean by "ample
        07
              fodder to string together to help the cause"?
        80
                           What do you mean by that?
        09
                           Well, I've talked about --
              several times today I have talked about that
        10
              there are -- in the areas that we've talked
-KE0294 - Clear Attached Exhibit 0294
        12
             about, so epidemiology -- primarily
        13
              epidemiology and genotoxicity -- that there
        14
             were a number of studies out there in the
        15
             literature that were poorly conducted. And
              if not put in the proper light, if not
        16
             understood how they are studies that have the
        17
        18
             problems, someone could use that information
        19
              to try and come to a different conclusion.
        20
                          So by February of 2015, about a
                    Ο.
             month before IARC reaches their decision, you
        21
        2.2
              were part of a team that was to orchestrate
              an outcry against IARC, right?
133. PAGE 234:01 TO 234:02 (RUNNING 00:00:03.025)
  00234:01
                           THE WITNESS: Yes, I'm not sure
        02
                    what you're referring to.
134. PAGE 234:06 TO 234:09 (RUNNING 00:00:19.028)
0379 -
        06
                          Let's look at the document.
        07
             Exhibit 3-32, an e-mail and attachment
        0.8
              produced by Monsanto in this litigation to
             you and others. A copy for you and counsel.
        09
135. PAGE 234:10 TO 234:17 (RUNNING 00:00:18.747)
                    Α.
                           Okay.
        11
                           Yes, sir.
                    Q.
        12
                           This is an e-mail sent to you,
              that is Exhibit 3-32, from a Monsanto
        13
        14
              employee concerning a revised IARC reactive
        15
             messaging.
        16
                           And this is in February
              of 2015; is that fair? Is this?
        17
136. PAGE 234:22 TO 236:04 (RUNNING 00:01:17.788)
                           THE WITNESS: -- February. I
        23
                    didn't hear the number you said, but
        24
                    it's dated February 12 of '15, yes.
        25
  00235:01
             QUESTIONS BY MR. MILLER:
        02
                           Yes, sir.
                    Ο.
```

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And attaches glyphosate key

```
0379-002 -
        04
             points on IARC decision 2B.
        05
                           Do you see that?
                           That's how she refers to it in
        06
                    Α.
        07
             her attachment.
        80
                    Q.
                           Yes, sir.
        09
                           And so everyone has the time
        10
             frame, this is a couple of weeks before IARC
        11
             actually voted and reached the conclusion
        12
             they reached, right, sir?
        13
                           That's correct.
                    Α.
                           And in fact, IARC did not reach
        14
                    Ο.
        15
             2B as a conclusion, which would be possibly
        16
             associated, but elected to use 2A, probably
        17
             associated, right?
        18
                           That's correct.
                    Α.
        19
                           Okay. But on this key points
                    Q.
        2.0
             on the IARC decision 2B, I just want to go
        21
             over a few things, and then we'll go on.
        22
                           "This component represents the
             orchestrated outcry that could occur
        23
        2.4
             following the March 3-10 IARC monograph
        25
             expert meeting."
  00236:01
                           Would it be fair to say you
             were part of the orchestrated outcry that was
        02
        03
             supposed to come after IARC reached their
        0.4
             decision?
137. PAGE 236:07 TO 237:03 (RUNNING 00:00:56.802)
        07
                           THE WITNESS: No, I would say
        80
                    that's not the case.
        09
                           This is -- this document is
        10
                    prepared -- was prepared by another
        11
                    group within Monsanto about some of
        12
                    the things that they could consider.
        13
                           My job has always been -- as
        14
                    I've said on several occasions today,
                    my job is about the science. My job
        15
                    is to make sure that the science gets
        16
        17
                    done correctly and is communicated
        18
                    correctly.
        19
             QUESTIONS BY MR. MILLER:
                           This glyphosate key points
        20
                    Q.
        21
             following IARC decision says in the last
        22
             sentence of that first paragraph, quote, "The
        23
             proposed approach suggests industry
        24
             associations and credible third parties lead,
        25
             and Monsanto plays a secondary role to defend
  00237:01
             its Roundup brand."
        02
                           Isn't that what happened,
        03
             Doctor?
138. PAGE 237:06 TO 237:12 (RUNNING 00:00:16.576)
                           THE WITNESS: And I'm not
        07
                    really sure what you're asking me
        0.8
                    there. And again, especially relative
        09
                    to my role, because my role is not in
        10
                    any of this. My role is with the
                    science. So I'm not sure what you're
        11
                    asking me.
```

139. PAGE 237:14 TO 237:25 (RUNNING 00:00:28.514)

#### -KE0379-002 - Clear Attached Exhibit 0379-002



```
14
                  We have mentioned off and on
15
     today a John Acquavella, right, sir?
                  Yes, John's name has come up.
16
           Α.
                  And he's an epidemiologist?
17
           Q.
18
                  That is correct.
          Α.
19
                  Who was a full-time employee at
          Ο.
2.0
    Monsanto and later a consultant to Monsanto?
21
                  That is correct.
          Α.
22
           Ο.
                  And you have worked with him
23
    both when he was a full-time employee and as
24
    a consultant, when he was a consultant?
25
                  That is correct.
           Α.
```

#### 140. PAGE 238:01 TO 239:05 (RUNNING 00:01:31.383)

```
All right. Do you know who
      02
            Dr. Seralini is?
      0.3
                  Α.
                          I know Dr. Seralini, yes.
      04
                  Ο.
                          What do you know of
      05
            Dr. Seralini?
      06
                         I know that Dr. Seralini really
                  Α.
            does not like biotechnology, and I know that
      07
      0.8
            Dr. Seralini and people from his lab conduct
            a lot of research that has problems with it.
      09
            Q. Have any journals ever asked you or allowed you to be a reviewer on any of
      10
      11
      12
            Dr. Seralini's papers?
      13
                  A.
                          Yes.
      14
                          And did you recommend that
                  Q.
      15
            Dr. Seralini's paper be rejected?
            A. We recommended -- there's a couple of us who looked at it, and we
      16
      17
            recommended that it be rejected because the
      18
      19
            science underpinning it had a number of
      20
            flaws, and it was not a scientifically valid
            study.
      21
      22
                          Which journal allowed you to be
            a reviewer of Dr. Seralini's paper?
      23
      24
                          I don't remember which one it
      25
00239:01
                          Regulatory Toxicology and
                  Q.
      02
            Pharmacology?
                          That's probably correct, yes.
      0.3
                  Α.
      04
                          How long were you a reviewer
                  Ο.
      05
            for Regulatory Toxicology and Pharmacology?
```

#### 141. PAGE 239:08 TO 240:02 (RUNNING 00:00:57.786)

```
08
                  THE WITNESS: So I was not on
09
           the editorial board. The way
10
           journals -- journals will sometimes
11
           just reach out to other scientists.
12
           It's a tough job for editors. It's a
13
           problem they constantly have, is to
14
          have an adequate number of people
15
           reviewing studies, and so they're
16
           always reaching out to people trying
           to find people who will do reviews.
17
18
                  So in this particular case,
19
          they reached out to me.
20
    QUESTIONS BY MR. MILLER:
21
          Q.
                 Were you allowed to see other
22
    reviewers' comments concerning the paper?
23
                  That's not -- I don't recall
```

```
doing that. That's typically against journal
        24
             rules. I think most journals keep those.
        25
  00240:01
                           Private?
                   Q.
                           Private.
                   Α.
142. PAGE 263:09 TO 263:20 (RUNNING 00:00:43.122)
                           Going back to the -- I believe
        10
             you said it was the Greim paper that the --
                           Greim.
        11
                   Α.
```

12 Q. Greim, excuse me.
13 -- that the EPA reviewed?

14 A. Yes.

15 Q. That was co-authored by David

16 Saltmiras from Monsanto?

17 A. He was one of the authors, yes.

18 Q. Okay. Has there been a

19 decision to preclude the use of POEA as a

20 surfactant with glyphosate in Europe?

#### 143. PAGE 263:25 TO 264:12 (RUNNING 00:00:55.710)

```
So I'm aware of some places in
                 Α.
00264:01
           Europe where that proposal -- and, in fact,
           has taken place. What I will say is that is
      02
           due to political reasons and is not supported
      0.3
      04
           by the scientific data.
      05
                        In fact, the risk assessments
      06
           that have been done by the German BfR -- it
           was approximately back in 2010, 2012. That
      07
      80
           is the same organization -- or the same
      09
           regulatory agency who was the rapporteur for
      1 0
           glyphosate in the reevaluation. That very
      11
           agency evaluated tallow amine and came to the
      12
           conclusion that there's no unreasonable risk.
```

#### 144. PAGE 264:16 TO 264:16 (RUNNING 00:00:04.877)

0383 -

16 Q. Let's look at Exhibit 3-36, sir.

#### 145. PAGE 264:22 TO 267:16 (RUNNING 00:03:36.503)

```
THE WITNESS: Okay.

23 QUESTIONS BY MR. MILLER:

24 Q. Is that your handwriting where

25 we see on Exhibit 3-36 "reasons for defending

00265:01 tallow amines"?

02 A. It looks like my handwriting.
```

02 A. It looks like my handwriting. 03 Q. And this is an e-mail from you

03 Q. And this is an e-mail from you 04 in the bottom of the first page of that

05 document, from Bill Heydens, January 2010, to Richard Garnett.

07 I believe he's a Monsanto

08 employee in Europe?

09

A. That is correct.

10 Q. Yes, sir.

11 A couple of comments. This is 12 you, quote, "First, there is still a strong

13 sentiment in STL" -

14 Is that St. Louis?

15 A. That is correct.

16 Q. Which is where the Monsanto

17 headquarters is?

18 A. That is correct.

19 Q. Okay. "There is still a strong



```
20
             sentiment in St. Louis that we need to
        21
             continue to defend tallow amines, even though
        22
             we prepare to switch over because of their
        23
             impending demise."
                          Did I read that correctly?
        2.4
        25
                          You did.
                   Α.
  00266:01
                          And what did you understand in
                   Q.
        02
             2010?
        0.3
                          Why was there an impending
        04
             demise of tallow amine?
        05
                          Well, the conversation that we
                   Α.
        06
             were already hearing in our conversations
        07
             that, as you have already said, that there --
        0.8
             some of the regulatory agencies and some of
             the -- some of the politicians were starting
        09
        10
             to talk about enacting bans on tallow amines.
        11
                  Q. And you were responding to an
             e-mail that had come from you -- come to you
        12
        13
             from a Richard Garnett, the Monsanto employee
0383-002 -
             in Europe, right, sir?
        14
        15
                   Α.
                          Yes.
        16
                          And he asked in his e-mail, the
                   Q.
             top of page 2, "Anyway, there are
        17
        18
             nonhazardous formulations, so why sell a
        19
             hazardous one?"
        2.0
                          Do you remember him asking you
        21
             that question?
                  A. I think that's more a
        22
        23
             rhetorical question, if you will.
                                                                                  0383 -
        24
                          Back to the first page. What
                   Q.
             you write, sir, is that you were very
        25
  00267:01
             worried -- excuse me. Let me get it right.
        02
                          "Reason to do so: Domino
             effect on ether amines, defend other world
        03
        04
             areas to the best of our ability. Second, I
        05
             was in Brazil all last week - they are very
             worried about this coming across the Atlantic
        06
        07
             to their part of the American hemisphere."
                          Those were the reasons you were
        0.8
             defending tallow amines?
        09
                          The reason why defending tallow
        10
             amines is because I believe -- we believe
        11
        12
             that the science is behind tallow amines.
        13
             the science is behind the product, then I
             think it's -- certainly you should be making
        14
             sure that decisions are being made about your
                                                                                   -KE0383 - Clear Attached Exhibit 0383
```

TOTAL: 1 CLIP FROM 1 DEPOSITION (RUNNING 01:39:06.270)

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material based on sound science.