

# atp 2435

Thu, May 09, 2024 3:35PM 29:51

## SUMMARY KEYWORDS

interstate, state, interstate highway, hot dogs, laughs, number, year, highway, questions, good, hawaii, mm, texas, professor, signed, detroit, miles, maine, connects, michigan

## SPEAKERS

Erin Bell, Jeffe Boats, Heather Hill, Audio engineer over intercom, Beth Oljar, Matt Mio, Ph.D., Announcer, James Tubbs, Dan Maggio, Stephen Manning, Becca, Dave Chow

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- M** Matt Mio, Ph.D. 00:02  
The University tower chimes ring in another session of Ask the Professor, the show in which you match wits with University of Detroit Mercy professors in an unrehearsed session of questions and answers. I'm your host, Matt Mio, and let me introduce to you our panel for today. To my left. It's Beth.
- B** Beth Oljar 00:21  
Hi
- M** Matt Mio, Ph.D. 00:22  
What's up? (Laughs)
- B** Beth Oljar 00:23  
Sorry.
- M** Matt Mio, Ph.D. 00:24  
Let's do all single syllable words. What's going on?
- B** Beth Oljar 00:28  
Not a whole lot.

M Matt Mio, Ph.D. 00:30  
Did you figure that one out?

B Beth Oljar 00:32  
Yes, I did. I don't know if it's the way the students will do it, but that's okay. They often show me new ways to do proofs.

M Matt Mio, Ph.D. 00:39  
Excellent. Dave Chow is here.

D Dave Chow 00:42  
Pleasure to be here, as always.

M Matt Mio, Ph.D. 00:43  
I should have just said Dave. I was just going to use first names only.

D Dave Chow 00:46  
It's good. It's all good.

M Matt Mio, Ph.D. 00:48  
What's going on?

D Dave Chow 00:49  
Just working like a fiend.

M Matt Mio, Ph.D. 00:50  
I know. What are you working on? Can you tell us?

D Dave Chow 00:52

I just got done doing test marketing for Suja Organics, a juice brand out of San Diego.

**M** Matt Mio, Ph.D. 00:59

Oh, if you hadn't elaborated, I just would have assumed it was another dispensary going into Berkley. (The professors laugh)

**H** Heather Hill 01:05

What kind of dispensary? I don't get it.

**J** James Tubbs 01:07

Pot

**M** Matt Mio, Ph.D. 01:09

They dispense -

**H** Heather Hill 01:10

I'm kidding. Excuse me.

**S** Stephen Manning 01:12

Have you lost your sense of smell?

**H** Heather Hill 01:15


You know what's funny. I was telling Stephen the other day: if we could actually go on a run one morning without smelling marijuana, that would be like unusual.


**S** Stephen Manning 01:27


It used to be that we would come back from a run with the endorphins. Now, it's something else.


**H** Heather Hill 01:33


Yeah.


 Becca 01:34  
Now you're just coming back with the munchies.


 Beth Oljar 01:37  
Now you're running for the Doritos


 James Tubbs 01:41  
Cupcakes!


 01:43  
Continuing around the table, the cupcake fiend himself. Jim is here.

 James Tubbs 01:47  
Hello, hello.

 Matt Mio, Ph.D. 01:48  
The cupcakes. Continuing around the table. Erin has joined us. We're glad to have you here. Erin.

 Erin Bell 01:53  
Thank you. I'm glad to be here


 Matt Mio, Ph.D. 01:55  
How did your meeting go?

 Erin Bell 01:56  
Oh, you know, we are doing great. And I just want to say, we have some awesome candidates coming our way.

 .....

**M** Matt Mio, Ph.D. 02:03  
Oh, that's great.

**E** Erin Bell 02:03  
So it's been interesting.

 02:05  
That's awesome. Can you tell us what the search is? I think you might have mentioned something.

**E** Erin Bell 02:08  
Yeah, it's for a nine-month tenure-track faculty in the McAuley School of Nursing.

**M** Matt Mio, Ph.D. 02:13  
Nursing. Okay.

**E** Erin Bell 02:14  
Yeah, so I'm learning new terms about didactic versus clinical and - you know, it's a little out of my wheelhouse, but it's interesting. That's all

 02:22  
That's alright. Nothing wrong with that at all. Nothing wrong with a little - you know - fun on a Friday. What can I say? We also have Dan here is with us today.

**D** Dan Maggio 02:31  
Hello. So, speaking of food, will there be hot dogs to look for it to this summer?

**M** Matt Mio, Ph.D. 02:40  
Oh, absolutely.

**D** Dan Maggio 02:41  
Excellent

EXCELLENT.

**M** Matt Mio, Ph.D. 02:42  
Just a few weeks away.

**D** Dan Maggio 02:43  
I'm looking forward to it.

**M** Matt Mio, Ph.D. 02:44  
Just a few weeks away. So what we need is for someone to grab a can of beanless chili, and allow us to have a Coney day coming up sometime soon.

**D** Dan Maggio 02:53  
I can do that. All right.

**M** Matt Mio, Ph.D. 02:54  
That would be cool.

**D** Dan Maggio 02:55  
I'm excited to be joining you.

**H** Heather Hill 02:58  
Probably more than one can.

**M** Matt Mio, Ph.D. 02:59  
Yeah, probably.

**B** Beth Oljar 03:00  
Yeah.

**O** ...



03:00

When it occurred to me to get hotdogs and figure that out, that day at the Costco that I go to there were no hot dogs. .



Beth Oljar 03:08

Of course. Oh,



Dave Chow 03:11

Hey, we have plenty of popcorn though.



Matt Mio, Ph.D. 03:14

That's true. That's true.



Stephen Manning 03:15

Are these the kind of hot dogs that snap, when you -



03:18

it's not like a Kowalski. It's more just like a solid all-beef kind of flavor. I mean, once you have a beef hot dog, you're never gonna go back.



Dave Chow 03:27

You can't go wrong.



Heather Hill 03:27

I like the snap though. Yeah,



Matt Mio, Ph.D. 03:29

Yeah. Well, Kowalski or Hebrew National



Stephen Manning 03:30

Dearborn Beef Franks are good too.

H Heather Hill 03:35  
Dearborn is good.

M Matt Mio, Ph.D. 03:35  
Dearborn is good. Yep. Uh, Becca, I guess I could ask you what's your favorite hot dog.

B Becca 03:42  
I'm a reformed vegetarian -

M Matt Mio, Ph.D. 03:44  
Oh

B Becca 03:44  
so I don't really have one

M Matt Mio, Ph.D. 03:45  
Got it


B Becca 03:46  
I like veggie dogs.


M Matt Mio, Ph.D. 03:47  
There's nothing wrong with that. Proteins are -


B Beth Oljar 03:49  
I'm not a big hot dog person.


M Matt Mio, Ph.D. 03:50  
Proteins are proteins, and protons are protons. But yeah, it all makes sense.





 Heather Hill 03:54  
Nathan's are good too


 Matt Mio, Ph.D. 03:56  
Nathan's are good. Jeffe, I don't know if we should keep going with the hotdogs or try to come up with something new.


 Jeffe Boats 04:01  
All that's coming to mind is - when I was a kid before Easter every year, we would go up to Buffalo and there was a place there called The Broadway Market which would be full of all sorts of Easter stuff, plus dairy and then polish anything - candies and sausages

 Matt Mio, Ph.D. 04:16  
Nice

 Jeffe Boats 04:17  
And they would make the sausages themselves.

 Beth Oljar 04:21  
Of course.

 Jeffe Boats 04:21  
This wasn't a brand name. And those were the best sausages or hot dogs I've ever had.

 04:26  
That's awesome. That's awesome. Feels like going to Polish Village or something.

 Jeffe Boats 04:30  
I'm guessing there are places around Hamtramck say around here that do the same thing.

**D** Dave Chow 04:34  
Srodeks's maybe.

**M** Matt Mio, Ph.D. 04:35  
Yeah, there's a couple of Polish markets that might be able to

**B** Beth Oljar 04:37  
The Brits make good sausages.

**M** Matt Mio, Ph.D. 04:38  
Yep.

**B** Beth Oljar 04:39  
Bangers

**D** Dave Chow 04:40  
and Mash

**B** Becca 04:41  
Bangers and Mash

**M** Matt Mio, Ph.D. 04:42  
Stephen is here.

**S** Stephen Manning 04:44  
Color me disappointed.

**D** Dave Chow 04:46  
What?

**S** Stephen Manning 04:46  
For years we've been going to - When we go to Phoenix -

**M** Matt Mio, Ph.D. 04:49  
Okay

**S** Stephen Manning 04:50  
to watch Cactus League baseball, they would have of all things, out beyond the outfield in the concession stands Chicago Dogs. So we go. And last year we went, and apparently they start shutting down these things after the seventh inning, like they don't sell beer at Comerica Park after a certain time,

**H** Heather Hill 05:15  
So we didn't get them last year.

**S** Stephen Manning 05:16  
So we got there after it. So this year we said, "Okay, the game starts at 1:00, we're going over like after the second inning -

**H** Heather Hill 05:23  
We did.

**S** Stephen Manning 05:23  
we'll go over there.

**H** Heather Hill 05:25  
to get our Chicago dogs

**S** Stephen Manning 05:26  
Gone, the concession was not there. And we asked and they said, you know, "The management of the place - they decide what kind of stands are in there and they said no more of that." So we may have to go to a different stadium because there are a number of them in this area

we may have to go to a different stadium, because there are a number of them in this area

- H** Heather Hill 05:44  
Chicago Dogs are very particular, as we all know.
- M** Matt Mio, Ph.D. 05:46  
They're very particular. We say "drag them to the garden", right?
- H** Heather Hill 05:50  
Yeah, poppyseed bun.
- S** Stephen Manning 05:51  
And you have to have Neon Green Relish.
- J** James Tubbs 05:54  
That wierd green relish. Yes.
- H** Heather Hill 05:57  
Sporty peppers.
- S** Stephen Manning 06:01  
But they have to snap to them, too.
- M** Matt Mio, Ph.D. 06:03  
Absolutely. They have the Vienna beef, I want to say.
- H** Heather Hill 06:07  
Correct. Yes. That's exactly right.
- M** Matt Mio, Ph.D. 06:09

Uh, explaining these hotdogs, of course. is Heather, rounding out the panel.

**H** Heather Hill 06:13  
Oh, I'm sorry. Hello.

**M** Matt Mio, Ph.D. 06:14  
No you're fine.

**H** Heather Hill 06:16  
I've already said enough. Are you telling me I'm talking too much?

**M** Matt Mio, Ph.D. 06:22  
I am not saying that.

**H** Heather Hill 06:23  
Yes, you are.

**M** Matt Mio, Ph.D. 06:25  
Okay. Sure.

**H** Heather Hill 06:26  
Okay. Proceed. (Laughs) This is a program where you can send us questions regarding anything. And if you stump the panel, you win a prize. And if you don't stump the panel, you win a prize. You can send us the questions in a number of ways. You can email us at ATP@UDMercy.edu, find us on Facebook and Instagram or listen on your favorite smart speaker by asking IT to play Ask The Professor at University of Detroit Mercy. So somehow, X number of months ago, we got an email from Chris Bovitz, who's actually written questions for us a number of times. And he said, "I wonder if you ever got the questions that I sent last September" and proved with basically a foreword that he did on September 30 2023. But unfortunately, the account never received the email. So we're going to follow through now. "I was wondering if you've gotten to these yet, I think I might have missed an episode. I updated the wording on question 17. Or if it's not the type of questions you answer, let me know; and I'll never do this again." Chris, we appreciate you sending these questions. That's great. You've sent us questions before and we love it. We really do. "In a recent ATP, I think you lamented the

lack of questions". I do that a lot, just to bait people - "about highways. Here's some about the US interstate system. To get into the passing lane, you're gonna need to get 16 out of 22." I think we could do that. I think we could do it.

**B** Beth Oljar 07:52  
Percentage?

**J** Jeffe Boats 07:54  
72.7

**M** Matt Mio, Ph.D. 07:54  
There we go. Who signed the Federal Aid Highway Act into law?

**B** Beth Oljar 07:54  
Thank you.

**S** Stephen Manning 07:55  
Eisenhower.

**M** Matt Mio, Ph.D. 07:58  
Eisenhower,.Yes, that started the funding for the Interstate Highway System. In what year did construction start?

**S** Stephen Manning 08:12  
1954.

**B** Beth Oljar 08:12  
1955.

**M** Matt Mio, Ph.D. 08:14  
It says 1956 here. Now, there's a very interesting piece of information that connects the president who signed the act and the fact that actual real construction started in 1956. Do you

president who signed the act, and the fact that actual real construction started in 1956. Do you know what it is?

**S** Stephen Manning 08:26  
What what is? (Heather laughs) what the connection

**M** Matt Mio, Ph.D. 08:28  
What the connection between the president who signed the act -

**J** James Tubbs 08:33  
He was running for reelection.

**M** Matt Mio, Ph.D. 08:35  
Okay, it doesn't say that, but that's interesting.

**H** Heather Hill 08:38  
The president who signed the act - and what?

**M** Matt Mio, Ph.D. 08:40  
And the year that actual real construction started in 1956.

**S** Stephen Manning 08:45  
It always takes at least two years after the bill is passed.

**M** Matt Mio, Ph.D. 08:48  
Right. But the whole deal was that he signed it in 1956. And it immediately went into play and they started building, so that's what is so weird about it.

**D** Dave Chow 08:57  
In other words, it moved fast.

M Matt Mio, Ph.D. 08:58  
Exactly.

B Becca 08:59  
Which never happens in the government, trust me,

J James Tubbs 09:02  
and General Eisenhower got the inspiration from the Autobahn.

M Matt Mio, Ph.D. 09:06  
That is exactly right. In what year was the construction of the system deemed in some way connected to 1956 complete? And in what state was that last segment completed?

S Stephen Manning 09:19  
Well, it's still not complete in Michigan.

D Dave Chow 09:21  
Yeah, I was gonna say.

M Matt Mio, Ph.D. 09:21  
Well, it says here that the original outlay was completed in a certain year in a certain state. I can tell you that it was I-70. so, if that helps

B Beth Oljar 09:32  
That's Colorado,

M Matt Mio, Ph.D. 09:34  
It is Colorado. What year was it?

S Stephen Manning 09:37  
66



~

**D** Dave Chow 09:39  
72

**M** Matt Mio, Ph.D. 09:40  
No. No.

**B** Beth Oljar 09:41  
74

**J** James Tubbs 09:42  
89

**M** Matt Mio, Ph.D. 09:43  
(Laughs) We're giving it to Jim. He was the closest without going over. In 1992 the interstate system was completed, many, many moons later. How many miles of interstate highways were originally authorized by the 1956 act?

**H** Heather Hill 09:44  
How many miles?

**D** Dave Chow 09:44  
2013.

**M** Matt Mio, Ph.D. 09:55  
How many miles?

**D** Dan Maggio 09:56  
2000

M Matt Mio, Ph.D. 09:56  
2000?

D Dan Maggio 09:56  
Yes

B Beth Oljar 09:57  
It's gotta be more than that.

S Stephen Manning 09:59  
It's 3000 coast to coast

M Matt Mio, Ph.D. 10:07  
It is higher than that.

J Jeffe Boats 10:11  
Let's see, let's do this mathematically.

D Dave Chow 10:14  
So how many times do they zigzag back across -

J Jeffe Boats 10:17  
Let's see, 10 times -

H Heather Hill 10:17  
12,000

B Beth Oljar 10:18  
There are ones going north and south too

**M** Matt Mio, Ph.D. 10:21  
12 and 16 are a little low. Jeffe is trying to work it out with Dan.

**J** Jeffe Boats 10:26  
Well, actually let's do 12 times across the - or 20 times across the country.

**D** Dave Chow 10:31  
The States - yeah

**J** Jeffe Boats 10:31  
so that's about 60,000

**D** Dan Maggio 10:35  
You're talking all of those?

**M** Matt Mio, Ph.D. 10:39  
So it says here it's 41,000 41,000.

**J** James Tubbs 10:43  
The original outlay

**M** Matt Mio, Ph.D. 10:44  
The original outlay, so the updated up to let's say, pretend like these questions are put together in 2023 How many miles have been laid up to 2023

**H** Heather Hill 10:57  
Now we can say 100,000?

**S** Stephen Manning 10:58  
That's more like 100. Yeah,

**M** Matt Mio, Ph.D. 11:00  
I'm telling you, it says here it's only 46,876 miles so

**S** Stephen Manning 11:05  
5000 more than the -

**M** Matt Mio, Ph.D. 11:07  
Now these are only the interstates

**B** Becca 11:09  
So it's not counting like the loops.

**M** Matt Mio, Ph.D. 11:11  
It's not all the loops and all this other stuff here.

**B** Becca 11:13  
Okay, that makes sense then

**D** Dave Chow 11:15  
So, the tollbooth doesn't count.

**M** Matt Mio, Ph.D. 11:16  
Yep. Like US highways - which again is a different system - the numbers used for interstates have special meaning. In general, even numbered one or two digit highways extend in which direction?

**J** James Tubbs 11:28  
East and west. And the numbers start south and increase as you go north



**D** Dave Chow 11:34  
Yeah, like the Interstate in Hawaii?

**M** Matt Mio, Ph.D. 11:36  
If a highway has a number that ends in five or zero, what does that mean?

**B** Beth Oljar 11:36  
I-5

**D** Dave Chow 11:41  
They weren't too imaginative?

**B** Becca 11:47  
They're a main thoroughfare?

**J** Jeffe Boats 11:48  
That it actually goes about as far away and across as you can get.

**B** Becca 11:52  
Yeah,

**M** Matt Mio, Ph.D. 11:52  
I mean, that's basically the way. It means that it's a cross country route. Around here we know I-75 very well, which goes from the Soo Locks all the way down -

**D** Dave Chow 12:02  
To Key West, right?

**M** Matt Mio, Ph.D. 12:03  
To Key West.

**B** Becca 12:04  
That road gives me nightmares.

**J** Jeffe Boats 12:04  
Oh, you guys were cheating. There's a map on the wall.

**J** James Tubbs 12:04  
And 95 goes from Maine all the way down to the tip of Florida

**B** Becca 12:10  
(Laughs)

**M** Matt Mio, Ph.D. 12:11  
There are no roads on the map.

**B** Becca 12:19  
Now, if you've driven a lot, you know them.

**M** Matt Mio, Ph.D. 12:21  
What is the lowest numbered east-west highway and in what state?

**J** Jeffe Boats 12:26  
10

**J** James Tubbs 12:26  
10

**S** Stephen Manning 12:26  
in Texas?

**M** Matt Mio, Ph.D. 12:28  
It's in Texas, but it's not 10.

**B** Becca 12:31  
No, there's 10 and -

**H** Heather Hill 12:33  
2

**M** Matt Mio, Ph.D. 12:34  
It says I-2 in Texas

**B** Becca 12:37  
That's right.

**J** Jeffe Boats 12:38  
It must be way down by Brownsville or something.

**M** Matt Mio, Ph.D. 12:40  
Mm-hm. What's the highest number two digit even numbered interstate, and where is it? What state.

**H** Heather Hill 12:47  
Two digits

**J** Jeffe Boats 12:47  
Probably 98.

**J** James Tubbs 12:49

I-90

**D** Dan Maggio 12:50  
90?

**D** Dave Chow 12:51  
95?

**J** Jeffe Boats 12:56  
I'm gonna guess 98 then.

**M** Matt Mio, Ph.D. 12:58  
it's not. It's I-96. In the great state of Michigan.

**B** Becca 13:02  
Oh, hey!

**M** Matt Mio, Ph.D. 13:03  
Of course, we don't call it I-96, when you talk about the Big 8 or whatever they talk about on WJR. What's the nickname for I-96. Someone help me. Jeffries. Thank you.

**D** Dan Maggio 13:03  
But that only applies if you're in Detroit. The Jeffries.

**B** Beth Oljar 13:23  
I think more people call it 96.

**J** James Tubbs 13:25  
It goes all the way over to Grand Rapids

—



**B** Beth Oljar 13:29  
I'm not a Michigander, so I could be wrong.

**M** Matt Mio, Ph.D. 13:32  
I just think it's funny because I grew up listening to WJR and they still call them by the names, and so it's like when you say "the Southfield" like ,not many people call it by its number; but you know if you say Southfield people know -

**D** Dan Maggio 13:43  
Usually people call that the death trap.


**B** Becca 13:47  
Or "H-E - double hockey sticks"

**J** Jeffe Boats 13:48  
Kathy Bush used to call the 10, the death ditch.

**B** Beth Oljar 13:54  
Yep. That's true.

**D** Dave Chow 13:55  
Remember, they name their freeways after the speed limit.

**M** Matt Mio, Ph.D. 13:58  
That's right. 696.

 13:59  
I don't know, I'm pretty sure that I-75 is its own version to NASCAR. And it's like playing pole position.

**J** James Tubbs 14:07

The Lodge is its own version of NASCAR.

**B** Becca 14:10  
Yeah,

**J** James Tubbs 14:10  
And that's really scary cuz you're trapped in there. Florida.

**B** Becca 14:12  
495 is the same way around D.C.

**B** Beth Oljar 14:15  
In fact, this morning. I saw - this just drives me absolutely crazy about Detroit cops. They just - Sirens are not on. Pass illegally on the right, blow right through the red light. Three cop cars one after the other. Now if they'd had their sirens on, fine, legitimate.

**M** Matt Mio, Ph.D. 14:40  
But they didn't.

**B** Beth Oljar 14:41  
Like I'm sorry, you don't get to write me a ticket for breaking the law when you can't even obey - This is why people don't like police.

**M** Matt Mio, Ph.D. 14:50  
Right.

**H** Heather Hill 14:50  
Unfortunately, they do get to write you a ticket.

**B** Becca 14:52  
Come to Ohio.

**B** Beth Oljar 14:55  
Are they even worse there? Oh god. And if you've got a Michigan tag on your car -

**B** Becca 14:59  
even worse

**D** Dave Chow 15:00  
Yeah, during a football game,

**J** James Tubbs 15:03  
Mm-hm

**M** Matt Mio, Ph.D. 15:03  
Profs, what is the lowest-numbered odd interstate highway, and where is it?

**B** Beth Oljar 15:04  
I-5? It is I-5, which goes from Canada, actually, to California

**M** Matt Mio, Ph.D. 15:15  
California. That's right. Yep. What is the highest number two-digit odd numbered interstate and where is it? So this is where Jeffe was going -

**D** Dan Maggio 15:27  
95?

**M** Matt Mio, Ph.D. 15:27  
That's not what it says. It says 99.

**J** James Tubbs 15:30

Where's that?

**M** Matt Mio, Ph.D. 15:30  
Pennsylvania to Southern New York

**D** Dave Chow 15:32  
Oh, The Barbara Feldon lanes

**D** Dan Maggio 15:32  
(Laughs)

**E** Erin Bell 15:32  
Okay.

**M** Matt Mio, Ph.D. 15:39  
What is the longest contiguous interstate highway, and which two cities does it connect?  
Chicago?

**D** Dan Maggio 15:47  
90

**M** Matt Mio, Ph.D. 15:48  
I-90

**D** Dan Maggio 15:49  
Boston, to Washington?

**M** Matt Mio, Ph.D. 15:52  
It goes all the way to Seattle? That's right. Absolutely. One road. One road. By the way, Dan,  
how long is it?

**D** Dan Maggio 16:01  
3240 Miles

**M** Matt Mio, Ph.D. 16:03  
3021 Miles.

**D** Dan Maggio 16:06  
I'm channeling Jeffe, actually.

**B** Becca 16:06  
Nice!

**D** Dave Chow 16:07  
Dan, can you get me a lottery ticket?

**B** Becca 16:08  
(Laughs)

**M** Matt Mio, Ph.D. 16:13  
Uh-oh, a little bit of an error on this one. What is the shortest officially-signed interstate highway? Where is it and how long does it run?

**D** Dave Chow 16:24  
Mackinac Island or Hawaii? One of those?

**H** Heather Hill 16:29  
Rhode Island?

**M** Matt Mio, Ph.D. 16:30  
Mm-mm

**B** Beth Oljar 16:31  
How is it interstate, if it -

**D** Dave Chow 16:33  
I know

**J** James Tubbs 16:34  
They're not, but they have H1, H2 and H3, and they really meet the original purpose of them, because they all begin or end at a military base

**M** Matt Mio, Ph.D. 16:43  
I think that I'll give it away when I say this. but you all know that there is a lot of talk and very real motion to completely wipe this interstate off the map.

**J** James Tubbs 16:52  
Oh - 395 ?

**M** Matt Mio, Ph.D. 16:55  
375. I-75 at Civic Center, 1.06 miles. It had only one purpose: to wipe a predominantly black neighborhood off the map

**B** Becca 17:07  
Wow.

**J** James Tubbs 17:08  
I've always considered that sort of a sub-interstate, not a real interstate.

**B** Beth Oljar 17:10  
Is that here?

M Matt Mio, Ph.D. 17:11

That is in Detroit. Beat up Harmony Park. Yep. Very, very sad. But - I think it's cool that they're all "We're going to acknowledge that a gigantic goose egg was laid, (if we can even call it that) get rid of it and then rebuild that area to reflect the history. That's what we're gonna do."

D Dave Chow 17:16

I consider that a bad turn.

H Heather Hill 17:31

Yeah.

B Beth Oljar 17:31

Cool.

M Matt Mio, Ph.D. 17:32

What's the shortest interstate highway not signed as an interstate route?

D Dave Chow 17:38

Is that the Hawaii one?

M Matt Mio, Ph.D. 17:40

This is totally weird. I've never heard of this before.

J Jeffe Boats 17:42

I'm not sure I even understand the question.

B Becca 17:43

Yeah, same.

M Matt Mio, Ph.D. 17:44

Neither do I. I don't understand how - Oh, you know what, I think it may be on a map as being an interstate but it doesn't have a sign on it. It says "not signed", as in maybe it's not labeled. It says I 878 which is somewhere in downtown New York City, .7 miles.

**B** Becca 18:04  
What the heck?

**M** Matt Mio, Ph.D. 18:04  
That's totally weird

**D** Dave Chow 18:06  
It's called a parking structure.

**M** Matt Mio, Ph.D. 18:08  
Ironically, the next subset is called "Weird things". Oh, okay. I-76 is in two pieces in two different states. Why and what are the states?

**D** Dan Maggio 18:20  
76? Is that Ohio?

**S** Stephen Manning 18:21  
It must be further west, uh -

**M** Matt Mio, Ph.D. 18:21  
It doesn't say that.

**D** Dave Chow 18:26  
Like Illinois?

**S** Stephen Manning 18:28  
west of that. Wyoming? Colorado?



M Matt Mio, Ph.D. 18:31  
Colorado is one of them.

E Erin Bell 18:33  
Something with the Grand Canyon?

M Matt Mio, Ph.D. 18:35  
Not with the Grand Canyon, but you're close.

J Jeffe Boats 18:38  
e The Continental Divide?

D Dave Chow 18:38  
The Rocky Mountains?

M Matt Mio, Ph.D. 18:40  
No. I'm looking for the other state and then we can try to find the connection.

S Stephen Manning 18:43  
New Mexico.

M Matt Mio, Ph.D. 18:43  
Mm-mm

D Dan Maggio 18:44  
Nebraska.

M Matt Mio, Ph.D. 18:45  
Way out east is the other one.

**S** Stephen Manning 18:50  
Pennsylvania

**M** Matt Mio, Ph.D. 18:51  
it's a little bit goofy. It's Pennsylvania, so you basically figured it out. So Pennsylvania, give or take, became a state in 1776. Colorado's nickname is The Centennial State. They became the state in 1876. They both wanted it, so they both got it.

**J** James Tubbs 19:08  
Oh, good grief!

**H** Heather Hill 19:09  
Oh!

**M** Matt Mio, Ph.D. 19:11  
Fun (laughs)

**S** Stephen Manning 19:13  
Wow.

**M** Matt Mio, Ph.D. 19:14  
Yeah, there are four. This is my favorite piece of math-based trivia. I learned this from Ken Jennings. I still think it's cool. There are four state capitals that are not on interstates. Do you know what they are?

**J** Jeffe Boats 19:28  
Uh, Juneau

**M** Matt Mio, Ph.D. 19:29  
Juneau. That was the good guess from my little clue there. Juneau is one.

**D** Dan Maggio 19:35  
Hawaii?

**M** Matt Mio, Ph.D. 19:36  
No.

**B** Beth Oljar 19:38  
Oregon and Washington are out.

**S** Stephen Manning 19:40  
Augusta, Maine.

**M** Matt Mio, Ph.D. 19:42  
Nope, Maine's on one. So is California.

**D** Dave Chow 19:47  
Montpelier?

**M** Matt Mio, Ph.D. 19:48  
It doesn't say Montpelier. Nope. But I hesitated for a minute, because it was part of the word that you said that's my classic piece of trivia, somewhere in the heartland - in the plains.

**D** Dave Chow 19:58  
Uh, Des Moines?

**B** Beth Oljar 20:02  
Nebraska somewhere ?

**H** Heather Hill 20:03  
...

Missoula

- M** Matt Mio, Ph.D. 20:05  
So very often mispronounced Pierre, South Dakota. Sometimes people say "Pee-air" but it's pronounced "Peer".
- B** Beth Oljar 20:11  
When you said "Montpelier" I heard the P. So so far we have Juno and Pierre and we don't have the other two. One is way way out east and thinking very Joe Biden-ish when I bring this one up. I didn't know that. Dover
- M** Matt Mio, Ph.D. 20:24  
Dover is not on an interstate. And the last one in the Midwest would be Jefferson City
- H** Heather Hill 20:31  
Missouri
- M** Matt Mio, Ph.D. 20:31  
Missouri. Not on an interstate
- D** Dave Chow 20:33  
Lovely misery
- M** Matt Mio, Ph.D. 20:34  
Mm-hm. Interstate highways that end in five are long-distance, north-south routes, but I 45 is entirely within one state and all it does is connect to metro areas.
- D** Dan Maggio 20:46  
Indiana?
- M** Matt Mio, Ph.D. 20:46  
Mm-mm

**S** Stephen Manning 20:51  
West of there.

**M** Matt Mio, Ph.D. 20:52  
If I tell you to think big, you're gonna say -

**B** Beth Oljar 20:55  
Texas

**M** Matt Mio, Ph.D. 20:56  
and it connects what two cities?

**J** James Tubbs 20:57  
Dallas and Houston.


**M** Matt Mio, Ph.D. 20:58  
That's a pretty good guess. Yep, it is one interstate that connects only not an interstate.  
(Laughs) There are weird, weird things.


**B** Becca 21:06  
Well, there are so few interstates that run through Texas.


**M** Matt Mio, Ph.D. 21:09  
Yeah.


**B** Becca 21:10  
It's almost all backroad.


**M** Matt Mio, Ph.D. 21:11


 Matt Mio, Ph.D. 21:14  
Exactly. There is no I-50. And there's no I-60 But why?


 Dave Chow 21:18  
Somebody lost a bet?


 Matt Mio, Ph.D. 21:19  
Mm-mm. This is a tough one. This is a tough one.


 Dave Chow 21:27  
Why would - Is it some weird taboo?

 21:29  
We basically go I-40 to I-70.

 Beth Oljar 21:29  
So, did we go from I-40 to I-70?

 Jeffe Boats 21:36  
Is it because they didn't want the highway markers to be confused for speed limit signs?

 Matt Mio, Ph.D. 21:41  
That is a really good guess. That is not what it says here, but that pretty solid.

 Beth Oljar 21:47  
That's a great guess.

 Becca 21:48  
Because I know I-40 is in North Carolina.



**J** James Tubbs 21:51

Yeah,

**M** Matt Mio, Ph.D. 21:52

Michigan is the first state in the second half of the United States, right? We're the 26th state. So we have interstates with the red, white and blue shield. We have US Highways with the white and black shield. And we have M diamonds like Woodward is M-1. So that only applies to the state of Michigan, right? So literally, it's who's in charge of cleaning it up who's in charge of plowing it, you know, who's in charge of repairing it? I-50 and I-60 don't exist, because when they came up with where the numbers were gonna go, they would be right on top of U.S-50 and U.S- 60, and that would be confusing.

**B** Becca 22:29

Yeah.

**M** Matt Mio, Ph.D. 22:30

So that's the reason why. But literally, it goes from 40 to 70.

**B** Beth Oljar 22:34

Well, but that's actually a good reason.

**M** Matt Mio, Ph.D. 22:36

That's a good reason. Well, and I like the speed limit., too

**B** Beth Oljar 22:39

Yeah

**M** Matt Mio, Ph.D. 22:40

That was a pretty good reason too.

**B** Beth Oljar 22:41

That would make sense. Right? That would be rational.

- M** Matt Mio, Ph.D. 22:43  
Ooh, this is a wonderful piece of trivia. How many - because we've heard this joke before - interstates are not in the - Oh, my Chris. Chris Bovitz of Lakeville, Minnesota, that is the most beautiful use of the word coterminous. How many interstates are not at the coterminous United States?
- B** Beth Oljar 23:08  
Is that the lower 48?
- M** Matt Mio, Ph.D. 23:10  
It's basically the contiguous 48, but for the use of "coterminous", I give you triple word score. How many?
- J** Jeffe Boats 23:19  
Well, there's the ring one around Hawaii
- M** Matt Mio, Ph.D. 23:21  
amMm hmm.
- J** James Tubbs 23:22  
That's not a ring
- M** Matt Mio, Ph.D. 23:23  
For the record, that actually counts as four different codes. So there's four in Hawaii.
- J** James Tubbs 23:28  
Oh
- B** Beth Oljar 23:30  
Alaska



M Matt Mio, Ph.D. 23:31  
Alaska. There's four in Alaska. And there's three more.

E Erin Bell 23:35  
Oh.

D Dave Chow 23:36  
Mackinaw?.

M Matt Mio, Ph.D. 23:37  
This is a great one. It's not. I would say that Mackinaw sort of counts.

J Jeffe Boats 23:42  
Puerto Rico

M Matt Mio, Ph.D. 23:43  
It's in Puerto Rico. Yeah, they actually have -

D Dave Chow 23:47  
the American Samoa Highway.

B Beth Oljar 23:49  
That's right. Lots of taxation without representation.

S Stephen Manning 23:52  
So are those "I's"?

M Matt Mio, Ph.D. 23:54  
They're all "I's", yeah. So, for the record, the answer to the original question is 11. Four in Hawaii, four in Alaskan and three in PR.

**B** Beth Oljar 24:03  
We need two more states. We just need to make Washington DC a state and Puerto Rico a state. We can't have an odd number of states, because that would mess up the flag.

**D** Dave Chow 24:12  
No, it wouldn't. Yep. It's already done.

**M** Matt Mio, Ph.D. 24:13  
I'll tell you what though, There already is an artist that's worked out the 51 state flag. You should go check it out.

**B** Beth Oljar 24:15  
It should be 52. It needs to be even.

**M** Matt Mio, Ph.D. 24:26  
I believe I brought this up before. The United States has a contingency plan up to state 100 - for what the flag would look like. There are official artists commissioned.

**B** Becca 24:31  
Mm-hm

**J** Jeffe Boats 24:36  
No.

**M** Matt Mio, Ph.D. 24:36  
Oh my gosh. It's two times - What is it? Yes. Don't you sleep better at night knowing that he prime number 51 is covered. Is it prime prime?

**B** Beth Oljar 24:36  
That's good to know.

J Jeffe Boats 24:48  
Three times 17.

M Matt Mio, Ph.D. 24:53  
Oh my gosh.

J Jeffe Boats 24:54  
And we whacky artists can do all kinds of things with them. We'll shrink a star. You won't even know.

B Beth Oljar 24:58  
I still think it's better if we have an even number of states, even if 51 is not prime.

M Matt Mio, Ph.D. 25:04  
One of the interstate highways has distance markers that only measure kilometers along its entire length. What highway and where is it?

D Dave Chow 25:13  
Like - Maine?

M Matt Mio, Ph.D. 25:14  
I'm looking in a Diane Manica kind of direction, by the way

B Beth Oljar 25:19  
Arizona?

M Matt Mio, Ph.D. 25:19  
It's in Arizona. Yeah. What number is it?

D Dan Maggio 25:22

Why? --

M Matt Mio, Ph.D. 25:24  
I'm sure I don't know.

D Dan Maggio 25:26  
Is that where all the Canadians winter?

D Dave Chow 25:28  
Hey! Wait a minute now.

B Beth Oljar 25:30  
Yeah, but that would make more sense if we're talking about Washington, right? And Victoria BC.

D Dave Chow 25:34  
That's why I was thinking Maine.

J Jeffe Boats 25:36  
Yeah, cuz it borders -

B Becca 25:38  
Canada. Yeah

J James Tubbs 25:40  
It must be contiguous to Mexico and that must be where -

M Matt Mio, Ph.D. 25:41  
That is exactly correct.

**H** Heather Hill 25:42  
Oh, there you go.

**M** Matt Mio, Ph.D. 25:43  
It is Tucson.to Nogales

**J** James Tubbs 25:45  
Okay.

**M** Matt Mio, Ph.D. 25:45  
And it's like Nogales, Sonora, is right on the other side.

**J** James Tubbs 25:48  
Yeah, Nogales is right on the border.

**D** Dave Chow 25:49  
See, it's not just us Canadians.

**M** Matt Mio, Ph.D. 25:51  
I 19. I 19.

**D** Dan Maggio 25:53  
Oh, I forgot it's everybody but us.

**E** Erin Bell 25:54  
Exactly.

**J** James Tubbs 25:54  
Yeah, everybody but us.

**M** Matt Mio, Ph.D. 25:54  
And the Phillipines. Don't forget about the Phillipines.

**D** Dan Maggio 25:54  
And the Phillipines Of course. I think there's one other. Aren't there three?

**M** Matt Mio, Ph.D. 26:00  
They do not. The United States and The Phillipines. Even though the United States uses the metric system for lots of things, it doesn't use it for everything, which is kinda silly. Last one. These actually - I'm sorry, I got a big kick out of these questions. Thanks for sending them, Chris. These are great. US Highway 66, I believe we all know route 66, was replaced with how many interstates?

**B** Beth Oljar 26:00  
They don't use the metric system either?

**D** Dave Chow 26:29  
Hold on. I've got to rewatch CARS.

**B** Beth Oljar 26:32  
Quite a few.

**H** Heather Hill 26:33  
Five.

**M** Matt Mio, Ph.D. 26:35  
Five is correct.

**B** Becca 26:36  
I thought it was four.

**M** Matt Mio, Ph.D. 26:38  
So let's see if we can take a look at the map. We'll start in Chicago. You take I-55, which dead ends in - - St. Louis. I-44 gets you all the way to -

**D** Dave Chow 26:51  
like Kansas City or something?

**M** Matt Mio, Ph.D. 26:52  
Oklahoma City. I 40 will get you from Oklahoma City to -

**J** James Tubbs 26:57  
California.

**M** Matt Mio, Ph.D. 26:57  
Barstow, California

**J** James Tubbs 26:59  
Barstow, California.

**M** Matt Mio, Ph.D. 27:00  
I-15 will get you Barstow to San Bernardino. And I-10 finishes you off and gets you all the way to Los Angeles. Yeah, so five is correct. Those were cool. I like those questions.

**J** James Tubbs 27:13  
Hey, Beth, I thought of a solution to the flag problem. If we admit Puerto Rico, why don't we just decide on a current state that we can get rid of? (The professors laugh)

**D** Dave Chow 27:26  
What - Do we wanna do one of those Bugs Bunny with a saw scenes?

**J** Jeffe Boats 27:29

Like Bill Maher says, make the Dakotas one state.

**B** Beth Oljar 27:32

Yeah, we're gonna get rid of Texas. If your constitution says you can still secede from the Union, Go right ahead. And then the next time there's a hurricane, guess what will happen? No federal aid for you.

**A** Audio engineer over intercom 27:46

There goes our Texas listeners.

**B** Beth Oljar 27:52

I do not apologize.

**J** Jeffe Boats 27:54

Don't mess with Texas.

**B** Beth Oljar 27:55

There's quite a few states I would be happy to get rid of

**M** Matt Mio, Ph.D. 27:58

Professors, I'm afraid the time has come to say goodbye, Heather.

**H** Heather Hill 28:06

I like yellow roses,


**M** Matt Mio, Ph.D. 28:08


Stephen.


**S** Stephen Manning 28:09


Goodbye,





 Matt Mio, Ph.D. 28:10  
Jeffe.


 Jeffe Boats 28:10  
We were just outside of Barstow when the end credits took hold.


 Matt Mio, Ph.D. 28:14  
Becca


 Becca 28:15  
Bye


 Matt Mio, Ph.D. 28:16  
Dan.

 Dan Maggio 28:17  
Goodbye,

 Matt Mio, Ph.D. 28:17  
Erin.

 Erin Bell 28:18  
Goodbye

 Matt Mio, Ph.D. 28:18  
Jim.

 James Tubbs 28:19  
Bye

M Matt Mio, Ph.D. 28:19  
Dave.

D Dave Chow 28:20  
See ya.

M Matt Mio, Ph.D. 28:21  
And Beth.

B Beth Oljar 28:22  
I apologize to our Texas listeners if we have any.

M Matt Mio, Ph.D. 28:26  
Now these words

A Announcer 28:28  
You can email Ask The Professor at [ATP@UDMercy.edu](mailto:ATP@UDMercy.edu) or visit the Ask the Professor Facebook page.

M Matt Mio, Ph.D. 28:29  
Ask The Professor is produced and directed by Michael Jayson and Brian Maisonville., and our executive producer is Professor Jason Roche. Until next week, I'm your host, Matt Mio