

# atp 2318

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## SUMMARY KEYWORDS

laughs, professors, professor, fara, called, beth, questions, andrew, nice, dan, carob, detroit, ocean liner, barrister, print, added, dave, piece, big, stevie nicks

## SPEAKERS

Beth Oljar, Andrew Papa, Mat, Announcer, Dan Maggio, Matt Mio, Ph.D., James Tubbs, Dave Chow

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- M** Matt Mio, Ph.D. 00:01  
The University tower chimes we're going to another session of Ask the Professor the show in which you match wits with the 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. Professor Beth old jars here from the Department of Philosophy. What's going on Beth?
- B** Beth Oljar 00:20  
I'm doing good. How are you?
- M** Matt Mio, Ph.D. 00:22  
I'm just hanging in there. It was a crazy registration week, like it always is. You know?
- B** Beth Oljar 00:26  
Yes. My intro section seemed to have closed in a day. Oh, wow. Yeah.
- M** Matt Mio, Ph.D. 00:33  
Your reputation precedes you.
- J** James Tubbs 00:35  
You're so coveted.

B

Beth Oljar 00:39

Yeah, not entirely sure that you know, it's me there. Coveting is perhaps the time in which the course is offered. But

M

Matt Mio, Ph.D. 00:47

that reminds me, that reminds me of father Jerry Albright teaching biology back in the day, you reached a certain number of years of the university and demanded a certain time key. He's like, this will make me very popular. 10am, Monday, Wednesday, Friday, I always thought that that was really funny. I'm like, that's one way to do it, father. Oh my gosh,

B

Beth Oljar 01:09

I do 1011 12. Monday, Wednesday, Friday. That's my that late morning is kind of my sweet spot. So

M

Matt Mio, Ph.D. 01:16

got it. You've got it. coming to us from the Department of being retired Professor Jim Tubbs formerly of Religious Studies. Hello, hello. And what are you finishing up with this term teaching?

J

James Tubbs 01:29

I've got a two sections of healthcare ethics that okay, that I'm doing now.

M

Matt Mio, Ph.D. 01:33

This is that time of year where Zombie Beth appears and disappears as the papers come and go.

B

Beth Oljar 01:40

Well, one of the advantages of teaching Symbolic Logic is no papers.

M

Matt Mio, Ph.D. 01:46

Very nice. You either did the proof correctly, or you did not. Or you did not. That's nice. That's nice. Currently, possibly not grading any papers is professor Dave Chow.

**D** Dave Chow 01:59  
I'm not. I'm not grading anything at all.

**M** Matt Mio, Ph.D. 02:02  
Well, yeah, but we haven't asked you what project you're into right now.

**D** Dave Chow 02:06  
I'm working on Facebook Messenger.

**M** Matt Mio, Ph.D. 02:08  
Oh, interesting.

**D** Dave Chow 02:10  
So they're launching a new Facebook Messenger sometime soon in about four years.

**M** Matt Mio, Ph.D. 02:14  
(Laughs)

**D** Dave Chow 02:16  
I just got the script this morning and started drawing it today, so

**M** Matt Mio, Ph.D. 02:18  
incredible. Continuing around the horn, Professor Dan Maggio is here from the FIRST organization. How deep do your FIRST festivities go, Dan? So a couple of programs - they run from like November through March. And then the big high school program doesn't really have events until March, April. Okay.

**D** Dan Maggio 02:39  
We're just kind of getting geared up. It's very quiet. So everybody must be focused.

**M** Matt Mio, Ph.D. 02:43

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Crack out your drills and your screwdrivers. It's time to build some robots.

**D** Dan Maggio 02:48

It is. That's awesome. Well, panelists, we are especially pleased that Professor Andrew Papa, the Department of Performing Arts at Detroit Mercy is again a guest panelist thanks for joining us today. Andrew.

**A** Andrew Papa 03:01

Happy to be here. This is fun.

**M** Matt Mio, Ph.D. 03:03

Excellent

**A** Andrew Papa 03:03

Thanks for having me.

**J** James Tubbs 03:06

It makes us so much more dramatic.

**A** Andrew Papa 03:08

(Laughs)

**M** Matt Mio, Ph.D. 03:11

In Andrew, how has your Fall '22 semester gone? It's gone well, It's gone well, It's been interesting. I wasn't involved in the first production that we did, which was a production called AIRNESS, which was about air guitar. It was a lot of fun. I enjoyed being an audience member. But we're just buckling down to start - We have auditions next week for PRIDE AND PREJUDICE, which I will be dialect coaching and I will also be performing in - which I'm excited about.

**B** Beth Oljar 03:39

Wow. Cool

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**M** Matt Mio, Ph.D. 03:40  
Awesome.

**J** James Tubbs 03:41  
You're gonna be Mr. Darcy?

**A** Andrew Papa 03:43  
I'm not No, no, that'll go to a student. I'll be playing Mr. Collins.

**B** Beth Oljar 03:49  
Oh, the pastor. Okay.

**A** Andrew Papa 03:51  
Uh-huh. And I'll be playing Miss Bingley. So Mr. Bingley's sister.

**M** Matt Mio, Ph.D. 03:57  
Wow. I can't wait.

**D** Dave Chow 03:59  
Andrew, I was gonna ask you today. Did you hear about Wednesday's Hilberry Theater?

**A** Andrew Papa 04:04  
Oh, well, the fact that it's that this I think -

**D** Dave Chow 04:06  
Closing? What happened?

**J** James Tubbs 04:08  
Because they're moving into the new building.

**D** Dave Chow 04:11  
Oh!

**A** Andrew Papa 04:11  
Yeah. They had like a multi million dollar - for the music program. But because it's all kind of under - gonna be all part of the same sort of work of performance -

**J** James Tubbs 04:20  
The Hilberry's now going to be a jazz venue.

**D** Dave Chow 04:20  
Yeah. Okay. Cuz I love that building. That's all. It's a gorgeous place. Oh, is that's going to be the Valade Jazz Center.

**M** Matt Mio, Ph.D. 04:28  
Nice. Well, everybody. I think, you know, this is a program where you can send us questions regarding anything if you stump the panel, you win a prize. 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 You can find us on Facebook or Instagram. Or listen on your favorite smart speaker by asking it to play Ask The Professor at University of Detroit Mercy. Okay, we've got some rando questions. Oh, nice little backstory for one of our listeners, someone brand new. "I was in radio at KLSU in Baton Rouge, which was the LSU student radio station. Fun fact, we were granted special permission by the FCC to use a K, even though we were on the other side of the Mississippi." That's kind of cool. He said "Lacrosse State University already had WLSU, so we couldn't use that. I've listened to ATP on occasion since 1980".

**D** Dave Chow 05:27  
Wow.

**M** Matt Mio, Ph.D. 05:28  
Yeah, that's awesome. "I was an aeographers mate or meteorologist in the Navy an Earth Science minor and even did a few years as a weatherman on WAFB TV, which was the CBS affiliate in Baton Rouge. These compel my questions, rewrite them if you feel necessary." I'm gonna put that on my next exam.

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**B** Beth Oljar 05:47  
That's right. (Laughs)

**J** James Tubbs 05:50  
Rewrite the questions if you feel it necessary.

**M** Matt Mio, Ph.D. 05:52  
Yep. He says "Thanks. I'll be listening. Rick Arnett of Beaverton, Oregon". Thanks for sending these, Rick. That's awesome. Hey, that's my hometown! There you go.

**B** Beth Oljar 06:03  
That's the suburb of Portland I grew up in.

**M** Matt Mio, Ph.D. 06:06  
That's so cool. I'm guessing named after Oregon State or maybe the other way around? I don't know.

**B** Beth Oljar 06:11  
I think just probably the predominance of the beaver industry in Oregon historically. So that's our state - You know, we're the beaver state.

**M** Matt Mio, Ph.D. 06:22  
That's right.

**D** Dave Chow 06:23  
That's the mean streets of Oregon. That's all.

**B** Beth Oljar 06:25  
We were the Beaverton High School Beavers.

**M** Matt Mio, Ph.D. 06:28  
All right, let's see what we can do with these. Professor, he says, "You may want to spell this

All right, let's see what we can do with these. PROFESSOR: He says, "You may want to spell this, Matt". I think I will. "I think we're all familiar with the concept of frost. So what makes hoarfrost H O A R frost different than regular frost?"

D Dave Chow 06:46  
Size of the crystals?

B Beth Oljar 06:48  
That's what I was thinking too.

M Matt Mio, Ph.D. 06:51  
That's basically what we're looking for here. They're kind of feathery -

B Beth Oljar 06:55  
and longer, right then - Mm-hm. Comes from an old English word. So where's Heather, you know, when you need her. It refers to making a beard, a beard would be long white.

D Dave Chow 07:04  
Oh. And so that's where - There's actually a number of animals that have that word where in front of them, and they all have long white hair associated with them. So pretty interesting.

B Beth Oljar 07:15  
That's like Roy Finkenbine's beard these days?

D Dave Chow 07:18  
That's right. Yeah,

M Matt Mio, Ph.D. 07:19  
That's right. That's right. Yeah.

D Dave Chow 07:21  
Our very own refrigerator salesman is looking more Claus-ian like all the time,



- M** Matt Mio, Ph.D. 07:25  
I was about to say - You mean Santa? "The feathery frost forms in very specific, climactic conditions. The air must be still and be very, very cold". So there you go. "Which of these is not an official NOAA type of precipitation. Snow flurries, snow drops, snow grains, snow pellets,
- J** James Tubbs 07:49  
Snow drops.
- A** Andrew Papa 07:50  
I'm gonna say snow drops.
- M** Matt Mio, Ph.D. 07:52  
Yeah. It's. Snow drops. (Laughing) Of course, we all know that's a candy.
- D** Dave Chow 07:56  
I was just gonna say, Isn't that like a Jujube or a Raisinet - that or something like that.
- M** Matt Mio, Ph.D. 07:59  
And Rick is quick to point out "Don't confuse them with Snowcaps. Those are totally different." Very good.
- D** Dave Chow 08:08  
I remember - I used to throw those things off the balcony at the Farmington Civic Theater.
- M** Matt Mio, Ph.D. 08:13  
In 1977, Fleetwood Mac had a hit. I believe we're all familiar with it - Dreams. Stevie Nicks crooning in the background "Thunder only happens when it's raining." That is completely incorrect. But do you know why?
- B** Beth Oljar 08:25  
Whv it's incorrect?

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

D Dave Chow 08:28  
Yeah. You don't need rain for thunder. Right?

B Beth Oljar 08:30  
It has to do with air pressure. Right?

M Matt Mio, Ph.D. 08:33  
That is exactly what it says. Thunder is caused by the rapid expansion of air around a bolt of lightning. It does not require precipitation to take place.

D Dan Maggio 08:42  
Okay. Who wants to tell Stevie Nicks?

D Dave Chow 08:45  
Not Lindsey Buckingham. (Dan laughs)

B Beth Oljar 08:48  
You know, I suspect she's already well aware of the fact that her lyrics are sometimes obscure at best, as Christine McVie, said. So.

M Matt Mio, Ph.D. 08:57  
Yep. This is -

D Dave Chow 09:00  
Well they're written in South Detroit. That's why,

M Matt Mio, Ph.D. 09:03  
(Laughs) That was on Jeopardy the other night by the way.

D Dave Chow 09:06  
(Laughing) That's right.

M Matt Mio, Ph.D. 09:07  
That was nice. They had a really, really nice question on Jeopardy that was "What city is - \_\_\_\_\_  
- doesn't have a south side and, as far as we can tell, is south of Southfield and east of  
Northville And It was just like, yeah, the guy knew it was Detroit. I was like, that was awesome.  
That was great.

D Dave Chow 09:27  
Yeah

B Beth Oljar 09:27  
I think Steve Perry was staying in the RenCen.

D Dave Chow 09:30  
Probably.

B Beth Oljar 09:31  
When he wrote that song. I think that may - The story that I had heard was that the reason that  
he selected South Detroit as the lyric? He supposedly knew that there was no South Detroit. He  
just liked the way it sounded. Ah! Well, that'll work.

D Dave Chow 09:48  
It sounds better than Windsor.

M Matt Mio, Ph.D. 09:50  
Yeah, exactly.

**A** Andrew Papa 09:50  
For the sake of the song, he just liked the way that it sounded. That's the story that I had read.

**M** Matt Mio, Ph.D. 09:55  
That sounds about right.

**D** Dave Chow 09:56  
I would buy that.

**B** Beth Oljar 09:56  
That would not surprise me either.

**D** Dave Chow 09:59  
And it does sound good

**M** Matt Mio, Ph.D. 10:00  
Professors: What is precipitation that never reaches the Earth's surface called?

**D** Dave Chow 10:07  
Abandoned

**M** Matt Mio, Ph.D. 10:09  
Mm-mm. Mm-hm.

**B** Beth Oljar 10:09  
Fog.

**M** Matt Mio, Ph.D. 10:11  
It's not what it says here.

**D** Dave Chow 10:13  
What - like some kind of updraft? Rainbow maker? What?

**M** Matt Mio, Ph.D. 10:17  
We're talking some pretty specific parlance. I don't even know how I could give you a clue except for - it's akin to the word we use in the zodiac, the symbol in the Zodiac that represents the Virgin.

**D** Dan Maggio 10:30  
Virgo?

**M** Matt Mio, Ph.D. 10:31  
The Zodiac symbol is Virgo, right? -

**D** Dave Chow 10:35  
Oh, okay

**M** Matt Mio, Ph.D. 10:35  
for the Virgin, and apparently it's called Virga, when precipitation never reaches the ground. It's kind of interesting.

**B** Beth Oljar 10:42  
That's weird. I suppose that planes would notice that, but not many other people would if the rain was not reaching the ground. Professors, you have four choices to hit the world's largest hailstone. Was it three and a half, 4.8, 6.4 or eight inches across?

**M** Matt Mio, Ph.D. 11:00  
I'm going with eight.

**A** Andrew Papa 11:00  
Oh, eight.

**B** Beth Oljar 11:00  
Me too

**M** Matt Mio, Ph.D. 11:04  
Absolutely incredible. Eight inches across with an 18.5 inch circumference and actually weighed 1.9375 pounds. Man, that's going to take your head right off.

**D** Dan Maggio 11:16  
That's gonna take out kids and pets. Especially if you have a whole storm of those

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

**D** Dave Chow 11:22  
it's bigger than my melon. Okay,

**M** Matt Mio, Ph.D. 11:24  
Incredible.

**D** Dan Maggio 11:25  
Wow.

**M** Matt Mio, Ph.D. 11:26  
It says that the person, Lee Scott, who collected this monster said that he had originally planned to shred it and make daiquiris, but decided against it, put it in his freezer and delivered it to the National Center for Atmospheric Research

**D** Dave Chow 11:41  
And used it for martinis.

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M Matt Mio, Ph.D. 11:43  
(laughs)

B Beth Oljar 11:43  
It makes me think of that line in Ghostbusters - "That's a hell of a Twinkie."

M Matt Mio, Ph.D. 11:48  
Now imagine the Twinkie the size of Manhattan Island. That's a big Twinkie. Have you ever heard of - it looks like we're doing a lot of weather here. Professors.

B Beth Oljar 11:57  
I sense the theme

M Matt Mio, Ph.D. 11:59  
Yeah.

D Dave Chow 12:00  
Sunny Elliot.

M Matt Mio, Ph.D. 12:02  
What's Dolbear's Law? Have you ever heard of it before?

B Beth Oljar 12:09  
Something to do with the Doppler effect?

M Matt Mio, Ph.D. 12:13  
No, no. It was published in 1897. By Amos Dolbear. And he noted that something was happening in the summer evening. And that it could be correlated directly to the ambient air temperature

J James Tubbs 12:31

Thunderstorms?

**D** Dave Chow 12:32  
What about like the frequency of -

**B** Beth Oljar 12:34  
Fireflies

**D** Dave Chow 12:35  
Crickets, cicadas?

**M** Matt Mio, Ph.D. 12:37  
Yes. Beth was almost there. And Dave hinted. It's the number of times you hear the crickets chirping. There is a formula you can use to determine the ambient air temperature as you hear that cadence. That is really interesting. It's actually Dolbear's Law. You have to count the number of chirps over 14 seconds, add 40 to get the temperature within one or two degrees Fahrenheit. Pretty cool.

**J** James Tubbs 13:02  
That's bizarre. Yeah, it's totally bizarre.

**D** Dave Chow 13:04  
But can you imagine like counting them though?

**B** Beth Oljar 13:06  
Yeah. How bored do you have to be?

**D** Dave Chow 13:10  
Well, not to mention Matt and myself. We'd have to fend off the motorcycle noise off of 696 every night. That's also

**M** Matt Mio, Ph.D. 13:16



Yep. A cloud often seen with tornado activity is called Cumulonimbus Mammatus. What does this translate to from Latin? Three different parts, Rick is saying here? Cumulo, Nimbus and Mamamatus.

**D** Dan Maggio 13:34  
Uh, run -

**D** Dave Chow 13:35  
Bambi run

**A** Andrew Papa 13:36  
Away.

**D** Dave Chow 13:37  
Yeah, Far away.

**M** Matt Mio, Ph.D. 13:43  
Well, I think you could handle Cumulo, if you think about words that we use like "cumulative"

**B** Beth Oljar 13:47  
sum?

**D** Dave Chow 13:48  
Like - big?

**J** James Tubbs 13:50  
added on?

**M** Matt Mio, Ph.D. 13:52  
It means "to pile"

**B** Beth Oljar 13:54  
Okay

**M** Matt Mio, Ph.D. 13:55  
Nimbus actually is Latin for "clouds", so I'm giving you a free pass to like 100% on that one. You only get one guess.. Don't think too hard. Mammatus

**B** Beth Oljar 14:05  
Mammoth, large,

**M** Matt Mio, Ph.D. 14:11  
No, that would be directed in the direction of why we are called mammals. So you can say "mothered" if you want to. So basically -

**J** James Tubbs 14:19  
Milk.

**M** Matt Mio, Ph.D. 14:20  
Yes. It says "We described it as an udder-like pouch - "

**J** James Tubbs 14:24  
Piles of milky clouds?

**M** Matt Mio, Ph.D. 14:26  
Yeah, exactly. "that would give birth to a tornado". That's pretty weird, but that's where it got its name. So

**D** Dave Chow 14:32  
I'm just imagining Sonny Elliott describing this on his chalkboard, mashing that word together.



**J** James Tubbs 14:37  
(Laughs) Or Chuck Gaidica.

**M** Matt Mio, Ph.D. 14:40  
Those were a great set of questions. Thanks for sending them in Rick. Wow. We're gonna move on to another set of questions I have here from longtime question senderr Fara Shimbo. "Hello there profs, I hope the year is going well. 10 questions about the difference between one thing and another thing. 80% is passing." Every once in a while, Andrew, they actually give us the rubrics. Pretty interesting. "Good luck from your old friend Fara Shimbo." What's the difference between a marsh and a swamp? Location?

**B** Beth Oljar 15:09  
The body of water

**D** Dave Chow 15:10  
Location, location, location

**B** Beth Oljar 15:12  
You can have a marsh without - A swamp has a bigger body of water.

**M** Matt Mio, Ph.D. 15:19  
That's basically what it says here, Beth. Yeah, it says that a swamp is an extension of an area around a river or lake, where a marsh is just a piece of wetland,

**B** Beth Oljar 15:29  
Right. Yay, me!

**J** James Tubbs 15:32  
Yeah, Yay you

**D** Dave Chow 15:33  
Go Beth!

**B** Beth Oljar 15:34  
Science not being my thing.

**M** Matt Mio, Ph.D. 15:37  
(Laughs) Dan, what were you gonna say?

**D** Dan Maggio 15:39  
If it was separated from another water source? So if it's isolated,

**M** Matt Mio, Ph.D. 15:43  
There you go. Nice work. Nice work.

**D** Dave Chow 15:46  
I was gonna say the size of the alligators.

**M** Matt Mio, Ph.D. 15:49  
How about what's - I mean, I've actually often wondered this. Based on the fact that I bought my very first piece of porcelain cookware fairly recently. What's the difference between the porcelain in let's say, a vase, and the porcelain that you would use to cover your tub or stove?

**D** Dave Chow 16:07  
One is fired.

**M** Matt Mio, Ph.D. 16:08  
Hmm.

**J** James Tubbs 16:09  
They're both fired.

**M** Matt Mio, Ph.D. 16:11

I think they both are

**B** Beth Oljar 16:12  
The heat. The temperature at which they are fired.

**D** Dave Chow 16:15  
Yeah

**A** Andrew Papa 16:16  
The thickness of the material?

**M** Matt Mio, Ph.D. 16:18  
I mean, that's a good guess too, Andrew.

**D** Dave Chow 16:20  
Yeah,

**B** Beth Oljar 16:20  
I think it's obvious. True.

**M** Matt Mio, Ph.D. 16:23  
Yeah, I'm trying to think of the best way. It's sort of beating around the bush with the explanation.

**D** Dan Maggio 16:29  
The difference is the vase cracks easy, and the tub does not.

**M** Matt Mio, Ph.D. 16:33  
That is also true. Absolutely.

B

Beth Oljar 16:37

So, one is vitreous and one is not, but maybe -

M

Matt Mio, Ph.D. 16:40

I mean, we're pretty close with a lot of the compositional stuff that we're saying. And I'm the material scientist, so I'm totally embarrassed. But it has to do with the amount of what's called Kaolin, or pure clay that's added to it. There is more in one than the other. And actually, that is not specified, which is which. So, yes. For the record, one of the ways that we may be able to add, because this is the cool thing about minerals, even though I'm an organic chemist, I dabble in the inorganic, every once in a while. You can add any kind of mineral to these sorts of things, just to see what new properties it's been given. And the reason we know the word bone china, is because ground bones or bone ash was added to the porcelain. So that's not creepy at all, and won't keep me up tonight at all. (Beth laughs)

J

James Tubbs 17:29

Well, it made like more transparent.

M

Matt Mio, Ph.D. 17:32

That's right. That's exactly right.

D

Dave Chow 17:33

I remember seeing the ceramics kids at CCS some of the things that they would throw on their vessels, unreal. Horsehair, was also a huge thing for one of the professors. He did these gorgeous vessels that he threw horsehair on while they're still like blazing hot.

M

Matt Mio, Ph.D. 17:49

Hmm.

D

Dave Chow 17:50

Just for cool textures and things like that.

M

Mat 17:52

Yes. Okay, everybody back up here and give Jim some room. What's the difference between an ocean liner and a cruise ship?

**D** Dan Maggio 18:01  
Ooh

**J** James Tubbs 18:02  
Well, a cruise ship has a thinner hull. It is built for traversing calmer waters, it's usually got more decks. An ocean liner has a reinforced hull and a lower center of gravity, because it has to deal with heavy ocean swells

**M** Matt Mio, Ph.D. 18:20  
Spot on, Jim. And Fara actually added to the end - "and any other differences that Professor Tubbs can think of". (The professors laugh) So - Perfect. And interestingly Jim, even though I believe you alluded to it, it says a cruise ship is for we'll say shallow water ports, because of all the things you've mentioned, and deepwater ports for the ocean liner. So -

**J** James Tubbs 18:40  
Yeah.

**M** Matt Mio, Ph.D. 18:40  
You're not going to take a Carnival cruise to go from New York to Ireland. I don't think you will

**J** James Tubbs 18:45  
Well, actually, a lot of the cruise liners do reposition in the fall and the spring, and so they do go across. I have however been on a cruise ship in the North Atlantic and the role you get is sometimes pretty - I mean, they have to close all the doors out to the deck - to keep you from going out there.

**M** Matt Mio, Ph.D. 19:07  
Yikes!

**D** Dave Chow 19:08  
Ooh, the SS MINNOW

**M** Matt Mio, Ph.D. 19:10



Matt Mio, Ph.D. 19:10

Professors, we get these questions about food and drink later in the second show and it really does kind of hurt, because we all start thinking about dinner - but not just dinner. Let's go beyond that. What's the difference between Bourbon and a Scotch or Irish whiskey?



James Tubbs 19:26

The grain it's made from. It's made from corn.



Matt Mio, Ph.D. 19:28

Corn. Yes. Corn's the answer. Well, I was gonna say the sweetness factor. Is the corn a part of what makes it sweeter?



Beth Oljar 19:35

Yep.



Andrew Papa 19:36

Okay. You hit it right on the head there Andrew, and the absolutely hilarious - from the chemists perspective only - sub definition which is "bourbon can only be made in the state of Kentucky.



James Tubbs 19:50

Right, but champagne can only be made in the Champagne region of France.



Beth Oljar 19:55

That's why I said Bourbon is American. Right? Yeah, Professors, what's the difference between a barrister and a solicitor?



James Tubbs 20:06

Oh, a barrister handles criminal kind of cases, and a solicitor handles civil stuff, wills and things like that.



Matt Mio, Ph.D. 20:15

Basically, that's what it says here. Only a barrister would go to court



J James Tubbs 20:19  
A barrister goes to the bar which is at the court.

D Dan Maggio 20:21  
Do they have to wear wigs? Because I would like to know that.

M Matt Mio, Ph.D. 20:25  
(Laughs)

J James Tubbs 20:25  
Barristers do. Solicitors don't

A Andrew Papa 20:27  
So on my door in my neighborhood do I have to have no solicitors and no barristers? (The professors laugh)

J James Tubbs 20:32  
I'm trying to have dinner,

M Matt Mio, Ph.D. 20:34  
No moleste. No moleste.

B Beth Oljar 20:36  
So just to be on the safe side, that sounds like a great idea. (Jim laughs)

M Matt Mio, Ph.D. 20:41  
Oh, my gosh. That's awesome.

J James Tubbs 20:42  
.....

You might need a barrister to get the solicitors excluded.

- A** Andrew Papa 20:47  
Barristers welcome, solicitors not? Yeah.
- M** Matt Mio, Ph.D. 20:52  
As far as invertebrates go, because I know you've all been thinking about this. What's the difference between a tentacle or possessing a tentacle versus an arm? Note for the record: that an octopus has arms, not tentacles,
- D** Dave Chow 21:06  
Oh! With suckers on them?
- D** Dan Maggio 21:09  
Can be controlled independently?
- M** Matt Mio, Ph.D. 21:11  
It's sort of a mixture of what both Dan and Dave have said. Tentacles have a tiny little suction cup (or whatever) at the end only. An arm would have the little suction cups along the entire length of the appendage.
- J** James Tubbs 21:26  
Wow! Well, you'll have to tell Jules Verne about that.
- D** Dave Chow 21:29  
(Laughs) Or James Mason and 20,000 LEAGUES UNDER THE SEA
- J** James Tubbs 21:34  
Yes.
- M** Matt Mio, Ph.D. 21:36  
(Laughs) What's the difference between chocolate and carob?



Dave Chow 21:40

About \$3 a pound Well, chocolate comes from cocoa beans,



Andrew Papa 21:46

Cocoa beans.



James Tubbs 21:47

Yeah, and carob comes from carob seeds.



Matt Mio, Ph.D. 21:49

That's right. (Laughs) It's actually quite great. Well, you know, they're completely different plants. Cacao is a tree and carob is a bean. Apart from that, there's also the fact that the former makes one happy. And the latter disappoints in every way possible. (The professors laugh)



Beth Oljar 22:07

Pretty much right Yeah.



Matt Mio, Ph.D. 22:09

I mean, I've had carob before. It's not the end of the world. I mean, it's works in a pinch, right?



James Tubbs 22:15

Well, Roland Cronkite brought to a party one time a carob pie that was excellent. It was made with carob and tofu and I don't know what else, but it was actually quite good. It tasted very chocolaty.



Dave Chow 22:28

It sounds terrible. But, you know, I mean -



Matt Mio, Ph.D. 22:34

Ears has left us with this last little bit of interestingness. "Speaking of invertebrates, what's the

Fara has left us with this last little bit of interestingness, "speaking of invertebrates, what's the difference between an insect and a bug? (You can interpret this any way you want)"

**J** James Tubbs 22:46  
Well, a bug is made by Volkswagen and an insect is made by mother nature.

**M** Matt Mio, Ph.D. 22:51  
There you go. Like a red blooded Detroiter. There you go.

**D** Dan Maggio 22:55  
Does it have to do with the number of body parts?

**M** Matt Mio, Ph.D. 22:58  
That's not what it says here. It's more about what it does.

**B** Beth Oljar 23:01  
So insects have some specific purpose with respect to the Earth?

**M** Matt Mio, Ph.D. 23:06  
I've never heard this before. I would treat the terms as interchangeable, but Fara has that "all bugs are insects, but bugs are the kinds of insects who eat by sucking". You know, so I guess you're thinking mosquito or whatever.

**B** Beth Oljar 23:19  
Oh, okay. So it's a subset.

**M** Matt Mio, Ph.D. 23:21  
Yeah. Symbolic Logic. Right, Beth? I mean, seriously.

**D** Dave Chow 23:24  
Wait a minute, So how does the other bugs eat? What - gnawing ?

**M** Matt Mio, Ph.D. 23:28  
They have mandibles. Well - Like a praying mantis chews things.

**B** Beth Oljar 23:32  
Yeah, I mean, spiders too. Right? And they don't suck. I don't think.

**D** Dan Maggio 23:37  
I have never asked a spider, so I don't know

**J** James Tubbs 23:39  
Bugs are suckers

**B** Beth Oljar 23:40  
Which would be mosquitoes and ticks and lice, things like that.

**D** Dan Maggio 23:46  
True.

**M** Matt Mio, Ph.D. 23:47  
Professors.,We have just enough time left, and Andrew, you are lucky man today, because we have a set of open ended questions by the family Burroughs from Valencia, California. We call them the Ask the Professor Imponderables. And this week we are talking about: What is the favorite piece of art that you own?

**J** James Tubbs 23:47  
Yeah.

**A** Andrew Papa 24:09  
Well, my oldest daughter is in kindergarten. And it's really fascinating to see their fine motor skills just explode at this age. I mean, in August, everything was abstract. Everything was abstract. I had no idea what she was making. And just the other day - and she gave it to me.

(Reaches for his desk) Did I bring it? I did.

**D** Dave Chow 24:33  
Come on. Let's see it.

**M** Matt Mio, Ph.D. 24:35  
We can show it on camera. We can show it on the radio.

**A** Andrew Papa 24:38  
It doesn't work for radio, but it works for ZOOM.

**B** Beth Oljar 24:41  
Oh!

**A** Andrew Papa 24:42  
But like everything, (the stem, the flower and even "I love" and then of course "D-a" Oh no, I ran out of space. I'll put the "d" over here type of thing.

**D** Dan Maggio 24:42  
Wow!

**M** Matt Mio, Ph.D. 24:52  
That's wonderful.

**B** Beth Oljar 24:53  
She's progressed to representationalism.

**A** Andrew Papa 24:55  
I've got a future intern.

—

**B** Beth Oljar 24:56  
It's not abstract!

**A** Andrew Papa 24:58  
And so to progress from something abstract to this, from August to November to go from something like - (Andrew shows a picture from his daughter)

**M** Matt Mio, Ph.D. 25:06  
Wow

**A** Andrew Papa 25:06  
Unbelievable.

**M** Matt Mio, Ph.D. 25:07  
They're like little sponges.

**A** Andrew Papa 25:08  
I would probably say - that. Beyond that, it's tough to say because I've got films, I've got music, I've got other things, but that's the one that comes to mind right now.

**D** Dave Chow 25:18  
That's representational.

**M** Matt Mio, Ph.D. 25:19  
That's awesome.

**J** James Tubbs 25:20  
Well, my favorite I'll show you. It's a piece by Slava Ilyayev.

**M** Matt Mio, Ph.D. 25:24  
Oh, that's gorgeous.

- J** James Tubbs 25:26  
What I like about it is he uses the knife, the palette to do a lot of the leaves. So it's sort of three dimensional.
- D** Dan Maggio 25:34  
Yeah
- M** Matt Mio, Ph.D. 25:35  
That's cool.
- B** Beth Oljar 25:35  
I have a print called "Brain Storming", which involves basically a woman sitting and thinking, and the hair is kind of dramatic - that a friend of mine did in college for which she said I was the model.
- M** Matt Mio, Ph.D. 25:49  
Nice.
- B** Beth Oljar 25:50  
So that's kind of cool.
- M** Matt Mio, Ph.D. 25:52  
How about you, Dan.
- D** Dan Maggio 25:53  
I don't really have a favorite. I have lots of things that I enjoy looking at. But my interests are all over. I like black and white photography. And I have a lot of it around me.
- M** Matt Mio, Ph.D. 26:05  
That's cool.



**B** Beth Oljar 26:06  
Your Kandinsky prints are kind of cool.

**D** Dan Maggio 26:09  
I have Kandinsky prints, which I really like. And then there's this local artist. You can't see behind me. I can't remember her name. She does these cool, cool drawings. So I can't give you an answer. Kandinsky would be on or near the top, I'm sure; because I love his geometric work.

**B** Beth Oljar 26:27  
Very cool.

**D** Dan Maggio 26:27  
Yeah, and I have one of them hanging in the TV room actually.

**M** Matt Mio, Ph.D. 26:30  
That's very cool. This is gonna be an interesting answer for Dave who generates art on a minute to minute basis.

**D** Dan Maggio 26:36  
I know. You can't say yourself.

**D** Dave Chow 26:38  
I can't even say my wife, believe it or not. I'm gonna go back to like an early, early influence or something like that. Maybe because I'm looking around my office. I mean, I got Simpsons, I got Mad Magazine. I've got a little of everything in here. I think the one that hits me right now, I'd probably say, like I've got original piece of Mott Drucker art in my files downstairs from Mad Magazine.

**B** Beth Oljar 26:59  
That's cool.

**D** Dave Chow 27:00



Dave Snow 27:00

So I don't know that. I've got an original Mike Mignola Hellboy floating around here somewhere. I got some pages of his Dracula art.



Matt Mio, Ph.D. 27:08

Nice.



James Tubbs 27:08

Matthew, what about yours?



Matt Mio, Ph.D. 27:11

Well, I honestly just got it a few months ago - because I've never had an office at home in my entire life until we moved recently. And I've always wanted a print of John Quidor's "The Headless Horseman Pursuing Ichabod Crane" from 1858



James Tubbs 27:27

Oh, how could I not have guessed that?



Matt Mio, Ph.D. 27:30

Yeah. I mean, come on, right.



James Tubbs 27:31

Hey, Mr. Halloween Man.



Matt Mio, Ph.D. 27:34

Yeah, but it's beautiful painting. It's very, very moody. I probably got the wrong frame for it. But I'm very pleased with myself to finally have a place to hang it. It's the sort of thing where you can't have it as an 8 by 5. Like, you've got to have it nice and big.



James Tubbs 27:48

Yeah



.....



Matt Mio, Ph.D. 27:48

And I love these art companies that will give a nice print. Dave, you'd be really impressed by this digital ink print, and it's really solid, considering the price so I was very pleased with that. But the time has come to say goodbye, Dan.



Dan Maggio 28:03

Goodbye



Matt Mio, Ph.D. 28:04

Dave.



Dave Chow 28:04

See ya,



Matt Mio, Ph.D. 28:05

Jim.



James Tubbs 28:06

Goodbye,



Matt Mio, Ph.D. 28:07

Beth.



Beth Oljar 28:08

Goodbye.




Matt Mio, Ph.D. 28:09


And Andrew,




Andrew Papa 28:10

Till we meet again.

 Matt Mio, Ph.D. 28:11  
And now these words.

 Announcer 28:13  
You can email Ask The Professor at ATP at UDMercy.edu or visit the Ask the Professor Facebook page

 Matt Mio, Ph.D. 28:23  
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