

Episode 56YQA October 6, 2024. Talk Show. Rosalind Franklin University and belated recognition.

Ms. Vivid Dash here as a new host of the Residents Against Wood Smoke Emission Particulates Talk Show. You may remember me as a co-moderator of the recent RAWSEP residents Presidential and Vice Presidential Debates. My moderating was so vivid or alternately Larry the Litigator was so ready to hang up the interviewer microphone that suddenly here I am as a new host of the Residents Against Wood Smoke Emission Particulates Talk Show on this historic fall day where we will discuss a serious subject in hopefully as lighthearted a way as Larry the Litigator has done up to this time. Audience I see you all have your signature ski goggles on in recognition of your fight against indoor residential wood smoke which enters your yards and sickens you as near, too near, neighbors of indoor residential wood burners. Why do you wear ski goggles again, audience?

Audience. We wear ski goggles in recognition of the fact that PM2.5 emissions from indoor residential wood burning enter our yards and sicken us through inhalation of PM2.5 particulates, but PM2.5 particulates also irritate our eyes. Rather than constantly running to our kitchen sinks which act as laboratory eyewash stations to irrigate our irritated eyes with soothing water which may or may not cleanse our eyes of all irritation, we wear ski goggles in our backyards. We have decided to wear the ski goggles commemoratively during tapings of the RAWSEP Talk Shows in recognition of our struggle for clean air to breathe and in recognition of our struggle for clean air that does not irritate our eyes. Numerous scientific studies have shown that breathing in PM2.5 causes lung cancer and many other kinds of cancer, causes asthma and causes early deaths. A less well known fact is that PM2.5 is linked to cataracts and other eye diseases.

Ms. Vivid Dash. As my colleague Mr. Shake Dapper would say, little known fact, Ms. Vivid Dash, little known fact.

Audience. Where is intrepid reporter Mr. Shake Dapper anyway?

Ms. Vivid Dash. He may appear as a moderator on a future RAWSEP Talk Show. He is busy doing research on a subject which may be near and dear to you, audience.

Ms. Vivid Dash. As a hobby I also moderate a table at a Farmer's Market in my Midwest City spreading the good news that shall be to all men and women of modest means that Heat Pump Rebates of up to \$8,000 will be available based on a sliding income scale sometime this Fall 2024 in the state of Wisconsin. Most of the people who stop at my table are close lipped and many are noncommittal. I am often uncertain if like the two Vice Presidential debaters last Tuesday half the people who stop at my table are authentically interested in clearing the air of unnecessary pollutants that harm other people or if half the people who stop at my table are prevaricators who feign interest in clearing the air of unnecessary pollutants because they would like to continue polluting the air with indoor residential wood burning whether they are offered the clean alternative of Heat Pumps that work down to 40 degrees below zero and also double as air conditioners or not and if not are trying to find ways to game the system to their advantage and opt out of participating in this clean air alternative. Working at that table is a lot like moderating a Vice Presidential debate without directly resorting to fact checking most of the time. I do fact check when an egregious statement is made at the Farmer's Market table since I think that is the Midwestern nice thing to do. I also think that stopping indoor residential wood burning is the Midwest

nice thing to do. I guess besides being Midwest nice meaning being nice or appearing nice, the term is ironically used to imply that the person being addressed is kind of a jerk in comparison to the authentic Midwesterner who is really nice. I prefer to think that if someone appears nice he or she is actually nice. But I think applying the Scientific method is the real test of whether someone is nice and really wants to help his or her neighbor.

Audience. I don't follow you Ms. Vivid Dash.

Ms. Vivid Dash. Oh, right, you barely know me and I see you don't yet follow me on Threads, audience. I am just a Presidential and Vice Presidential Debate moderator to you. Sorry, what I mean is that if you follow the truth you invariably, I like to say invariably, arrive at the truth as far as it can scientifically be proven to be the truth. The scientific method has gotten us to COVID 19 vaccines and the scientific method has gotten us to the truth that the wearing of masks shortly before or during a COVID outbreak saves lives. The scientific method has gotten us to those previously mentioned research studies that show PM2.5 from indoor residential wood burning causes illnesses and early deaths. The scientific method has gotten us to the PurpleAir PM2.5 monitor which measures the level of PM2.5 in our yards from the nearby indoor residential wood burning which as near neighbors enters our yards and sickens us.

Audience. Yes, we all have PurpleAir PM2.5 monitors in our yards which show the level of PM2.5 above the World Health Organization safe PM2.5 limit of 5 micrograms per cubic meter. Having a PurpleAir PM2.5 monitor in our yards is better than using ourselves as canaries in a coal mine by actually going outside into the smoke to demonstrate that the PM2.5 in the air sickens us. It is easier on our lungs and eyes just to stay inside our sealed homes and keep multiple air purifiers running. Air purifiers are also a scientific invention. We love our air purifiers. We love our PurpleAir PM2.5 monitors more. Kids in public schools are naming their PM2.5 monitors these days Love Your Air. We love that sentiment. We wish we could start loving our air in our yards again, soon. We thought that when the Canadian wildfire smoke entered many United States in June 2023 and when the health authorities during that time gave the scientifically corroborated advice to stay inside their sealed homes with multiple air purifiers running that people on the massive scale that was affected would see the connection of wood burning wildfire smoke with wood burning indoor residential wood burning smoke and help us pass legislation to shut down indoor residential wood burners based on the readings of PurpleAir PM2.5 monitors in the yards of near neighbors of indoor residential wood burners whose wood smoke enters the yards of near neighbors and sickens them. We are getting impatient that the connection is not being made on a massive scale in the minds of the general public yet. And we are getting impatient that the clean alternative to indoor residential wood burning Rebates for Heat Pumps that work down to 40 degrees below zero and double as air conditioners are not being rolled out yet when they were, informally we know see, promised to roll out in September 2024. It is practically mid-October 2024 now!

Ms. Vivid Dash. Now don't you fret audience. Your ski goggles are steaming up. Cool it.

Ms. Vivid Dash. Our first guest today is a young person wearing a Rosalind Franklin University Sweatshirt. Now that I look back on it she also wore this sweatshirt on an unseasonably 80 degrees day in October which only means she was determined to represent Rosalind Franklin University for which I can only commend her. I met her when I moderated a Farmer's Market table in a Midwest city. She struck me as

authentically Midwest nice which may mean that she was covering up her contempt for me temporarily enough to have a civil and quite friendly conversation with me. Anyway the operative words of the previous sentence were Rosalind Franklin. Rosalind Franklin had a pivotal role in discovering the double helix of DNA. Rosalind Franklin died of cancer young before she belatedly many decades later received recognition for her achievement. Rosalind Franklin is frankly a hero to me. She followed the scientific method and discovered her own series of truths that led to important discoveries in many scientific fields today. In fact I may have heard that there was a Rosalind Franklin University years ago. It is poignant to me that Rosalind Franklin died in 1958 but that the naming of the Rosalind Franklin University only occurred in 2004. As the University website states. In January 2004, the university publicly announced its intent to change its name to Rosalind Franklin University of Medicine and Science, in honor of Rosalind Franklin, PhD, a pioneer in the field of DNA research. The name change became legal on March 1, 2004.

Audience. We will speak in unison when reading from the website.

Ms. Vivid Dash. Thank you audience and keep water handy for hydration to drink when you pause for emphasis.

Audience. From the Rosalind Franklin University website. Excerpts edited by RAWSEP for brevity and clarity and relationship to Residents Against Wood Smoke Emission Particulates, a 501c3 nonprofit organization. Rosalind Franklin University (RFU) is named for a pioneer in scientific research. Today, we're carrying her legacy forward with advanced healthcare education and research. In 1952, British scientist and researcher Dr. Rosalind Franklin altered humankind's understanding of biology. Her work in X-ray diffraction during the preceding years helped her capture "Photograph 51" of the "B" form of DNA while at King's College in London. This discovery directly led to the development of the double-helix model of DNA that same year. Our campus is located in North Chicago, Illinois. We offer graduate-level health degrees. During the 2021-22 academic year, a total of \$8.1 million in gift assistance was awarded to over 1,200 students. 6 Simulation Labs on RFU's campus create a virtual health system. Interprofessional teams of RFU students practice more than 40,000 hours of simulation each year before they work with human patients. 44 U.S. Patents Held and 33 U.S. Patents issued in the past 10 years, with an additional 16 patents pending. Our discovery work is nationally and internationally recognized from Alzheimer's and Parkinson's diseases to genetic diseases, cancer, behavioral disorders and neurodegenerative diseases. 695 uninsured patients served at our pro bono Community Clinic in 2023. Mission. To improve the wellness of all people. Innovation: We cultivate discovery and adapt our thinking to solve emerging problems and critical issues. Integrity: We act with courage, honor and accountability. Respect: We treat those we serve and those with whom we work with the highest civility and dignity. Scholarship: We cultivate an environment where knowledge and continuous learning are embraced by our community.

Ms. Vivid Dash. And without further ado our first and only guest! Frances from Rosalind Franklin University!

Frances. I'm only a third year student. I want to help people. I follow the scientific method. It is fascinating to study diseases and then use my knowledge to help people recover from their illnesses if that is possible.

Ms. Vivid Dash. We are impressed aren't we audience?

Audience. Right you are Ms. Vivid Dash.

Ms. Vivid Dash. And you are interested in the struggles of our audience to find a solution to the unnecessary indoor residential wood burning of their neighbors, which indoor residential wood smoke emissions enter the yards of near neighbors and sickens them?

Frances. Yes, I follow you. I get your points. Either the indoor residential wood burners should take advantage of the Heat Pump Rebates to purchase Heat Pumps at little to no cost to them and use them as a clean alternative to indoor residential wood burning or the indoor residential wood burner should be compelled to stop indoor residential wood burning through passage of legislation that uses the scientific proof of PM2.5 above World Health Organization standards of 5 micrograms per cubic meter as justification for shutting down indoor residential wood burning one wood stove at a time if necessary. It is a matter of public health.

Ms. Vivid Dash. Public Health! As spoken by a third year student who intends to work in Public Health! Who attends a University named for Rosalind Franklin!

Audience. We are overcome with emotion! We are seen by the scientific community! We have already won! It's belated recognition but we'll take it!

Ms. Vivid Dash. Well, I'm glad for you audience. But our work here is not exactly done. Where are those darn Heat Pump Rebates, lost in red tape? Stay tuned for another exciting Talk Show in the future when those Heat Pump Rebates actually arrive in Wisconsin. Until then, I close with some signature lines from RAWSEP's Larry the Litigator. Wood burning emits 90 percent PM2.5, particulate matter of 2.5 micrometer size, the perfect size to infiltrate the human lung setting off a cascade of human health problems and early deaths. Wood burning emits 2.8 times the CO2 and PM2.5 as the fossil fuel coal burning. Wood burning emits 450 times the PM2.5 as the fossil fuel natural gas burning. And for now I sign off as one of your new moderators of Residents Against Wood Smoke Emission Particulates, Adieu for now and keep it clean!