

MESSAGE IN A BOTTLE



Former Submarine Commander, Fred Dohse, with his grandson, Luke, and daughter, Emily.

Fred Dohse, An Interview

VALESHKA DIAMOND

GREENVILLE, SC – During the second week of November a very eminent person, Luke’s grandfather, Fred Dohse, came to talk to the students at Chandler School about his days in the Navy. The topics discussed were interesting and made even more so when he would reply to a student’s question with “it’s classified,” which is characteristic of what we think a high ranking military official should say. It left us all wondering how much more he knows that he did not share.

Therefore, I decided to find out, so I emailed him and asked him what it was like to be in the military. I first asked him why he joined the Navy. He replied, “The submarine service was a good fit with my personality and interests.” Basically, he joined because he was adept at it. Mr. Dohse further explained, “I enjoy math, science, and engineering challenges and understanding how a nuclear propulsion plant works.” All of which are skills that are necessary on a submarine.

I was also interested in who he had met in politics. I found out that he flew with President Clinton. Mr. Dohse said, “It was a great honor to be part of the President Clinton’s National Security Council staff. Also, seeing how our government works at the highest levels.”

My third question followed along with my second question. I wanted to know if he had met any other presidents or leaders to which he responded, “I made several foreign trips with President Clinton. I shook hands with the leaders of Japan, Germany, Great Britain, Finland, Russia, and South Korea. When I retired, I was assigned to build the aircraft carrier USS GEORGE W. BUSH. During the 5 years I worked on the project, I met and talked to former President Bush.”

My final question was what was something he learned in the military. He answered with what I thought was important for all of us to be reminded of. He said, “I learned that people and families that serve in the military are real American heroes. We owe all our military families a debt of gratitude.” **Cont’d on Page 5.**



Pfizer’s Corona Virus vaccine must be stored at -94 degrees Fahrenheit, making it difficult to distribute.

The COVID-19 Vaccine

Pfizer and Moderna have created vaccines in record time.

WILL “GRASSHOPPER” BOLTON

GREENVILLE, SC - The coronavirus will be remembered for decades to come. The human race has tried to stop the spread of Covid, but they have been unsuccessful. The week of November 9-15, over a million people in America got Covid. Some people think that this is the second phase of the virus, but it’s still just the first phase. People are caring less about masks even though Covid cases are increasing.

Pfizer, one of the companies working on the Covid vaccine, finished testing with a 95% success rate for curing the virus. Pfizer has made this vaccine in a record time by doing it in less than a year, and many people are excited about it.

Pfizer, which developed the vaccine with its partner BioNTech, said the companies planned to apply to the Food and Drug Administration (FDA) for emergency authorization within days, raising hopes that a working vaccine could soon become a reality. “The study results mark an important step in this historic eight-month journey to bring forward a vaccine capable of helping to end this devastating pandemic,” Dr. Albert Bourla, Pfizer’s Chief Executive said in a statement. If the FDA authorizes the two-dose vaccine, Pfizer has said that it could have up to 50 million doses available by the end of the year and up to 1.3 billion by the end of next year. Both Pfizer and Moderna, another pharma-

ceutical company working on a vaccine, have said the accelerating pace has had the silver lining of speeding up their trials since volunteers are becoming infected with the virus more quickly. Pfizer and Moderna have developed vaccines that use a new technology that has never been approved for human use. *The New York Times* reported that “both vaccines uses a synthetic version of coronavirus genetic material, called mRNA, to program a person’s cells to churn out many copies of a fragment of the virus.” That fragment sets off alarms in the immune system and stimulates it to attack the virus if exposed to the real virus.

If the vaccine is authorized, attention will immediately shift to how it will be distributed. The vaccine must be stored at minus 94 degrees Fahrenheit, colder than any other vaccine in development. Pfizer will ship the vaccine in special boxes of 1,000 to 5,000 doses stuffed with dry ice and equipped with GPS-enabled sensors. Pfizer’s vaccine can be stored in conventional freezers for up to five days or in the special coolers for up to 15 days, as long as the dry ice is replenished and the boxes are not opened more than twice a day. Moderna’s vaccine must also be stored in a freezer long-term but at minus 4 degrees Fahrenheit. On Monday, the company said that its vaccine could be held at standard refrigerator temperatures of 36 to 46 degrees Fahrenheit for up to 30 days, not seven days as previously thought, which could make it easier to store than the Pfizer vaccine.

SPORTS

Cyclist Breaks Racial Barriers in Cycling

LILIANA GREENBAUM

LOS ANGELES - Justin Williams is an eminent, professional American cyclist. He is also one of the few Black racers in the sport. He created a team called L39ION (pronounced "legion"). Williams is from South Los Angeles. He got his first bike when he was 13 years old.

Justin Williams' father, Calman, was the one who taught him how to ride a bike. His cycling career began near the end of high school. He started as an amateur at local crits. Crits are road races that can range from a short 3 kilometers to up to 800 miles in length. In 2006, he won the Junior Track National Championship.

Only 5 of the 743 riders on the cycling's elite tour are black. Williams wants to change the fact that there are nowhere near as many Black cyclers as white cyclers. "L39ION doesn't force riders to conform to white norms," said Justin Williams. It also doesn't force you to alter the expectations of what a professional cyclist should look, act, or sound like. Even though skin color doesn't matter, you do need to be adept at the cycling to get into L39ION.

Many of the problems Justin Williams had to push through were racist. Williams said, "They called me a charity case and stereotyped me as an angry Black man." Williams further stated, "No one has spoken up about the racial justice movement because they don't have to." He clearly does not believe people should define him by the color of his skin. Justin Williams has certainly persisted through many barriers and has built a decorated cycling career.



L39ION, is very diverse. There are Black, Latino, Pacific Islander, and White cyclists on the team.



Williams' goal for L39ION is for it to become the only Black-owned professional cycling team in America in 2021.



In 2019, Justin Williams won the Tulsa Tough crit sporting a L39ION singlet.

REVIEW

Picun 26 Bluetooth Headphones - Rated 4.5/5

ANNA BOLTON

GREENVILLE, S.C. – The Picun 26 Bluetooth headphones are a personal favorite of mine for many reasons. First, they have a 24-hour battery life. Even after the 24-hour mark, they will only warn you of a low battery, and keep running for another 16 hours. Second, they have great sound quality. Plus, they are noise cancelling. Third, they are comfortable and are good for going to bed with.

They come with a cord if you want wired headphones. Another added benefit is that they only take two hours to get a full charge (which is an ephemeral amount of time). When they are on-sale, they only cost \$27 on sale and about \$50 off-sale. These adept headphones have two different colors, rose-gold and mint-green which are more pastel than bright. They have a metallic finish that for the rose-gold is copper-ish and the green has silver-ish instead.



I would give them a **4.5 out of 5 stars** because they meet almost all my standards. Their only downside is that if you go to sleep with them on they might fall off. To some it isn't the biggest deal, but I still contend it is. They have adjustable sides so you can fix it to the length you want and on one side panel you can turn the sound up or down and go to the next song. These are just a few reasons I love them. However, one of my friends thought their quality was poor. "I feel like it muffled the sound when you talked in FaceTime. It was better when you didn't wear them."

In summary, I love these headphones. *ReviewIndex.com* somewhat agrees with me that they are a great product, stating, "This is a great product, but if you're looking for a pair of headphones to block out a large crowd and jam out to, these are not for you." However, I completely disagree with *ReviewIndex's* comment about their ability to block out sound. When I wear my Picuns, I can't hear my family (even if there is a group of them) calling me or talking to me.

TECHNOLOGY

3 Dimensional Printing – An In-Depth Look

BY MAKSIM DIAMOND

GREENVILLE, S.C. - I have been doing research into finding a reasonably priced 3D printer to help make parts and designs for my modeling hobby. There are plenty of 3D printers to choose from, but finding a good 3D printer within my price range can still be tricky.

Resin printers are the next step up in rapid prototyping design technology when you want your print job to look as high quality as any industrial 3D printer or anything assembled in a factory. Resin is hard to use and printing with resin requires good ventilation because of its toxic chemicals. I reviewed a few of the resin printers. These looked cool but they are way too complicated and require mixing toxic chemicals. With resin printers, there are also steps that involve more equipment for washing and finishing the models once the printing is completed. Resin printing becomes extremely expensive because these machines use liquid resin in a special tank with a lowering platform. The liquid resin is UV sensitive process that begins with a layer of liquid polymer spread over a platform. Since this piqued polymer is UV-sensitive, a UV laser hardens the area that will become one layer of the 3D print. The rest of the layer stays liquid. The platform is then lowered, and the next layer is drawn directly on top of the previous one. When the object is complete, it is raised out of the tank via the supporting platform – much like a submarine rising to the surface of the water – with the excess liquid flowing away.

Another type is the Fused Definition Model (FDM). This 3D printer is the most common, and it uses a plastic filament that squeezes it through a hot end, melting it, and then depositing it in layers on the print bed. These layers are fused together, building up throughout the print, and eventually, they will form the finished product.

The most affordable printer I reviewed was the Anet A8. This 3D printer was also a Do-It-Yourself kit. I was unsure of the quality of the product, so I watched a few unboxing videos on YouTube. My first thought was that there was no way that I was going to get this box of parts and wires to actually work. I read many of the reviews and there were a lot of comments about troubleshooting the software. The price was great but the DIY looked way too scary.

The final printer I reviewed was the Creality Ender 3 (\$206). This printer cost a little more but based on the number of reviews it looked to be good and extremely popular. This printer uses a filament, and its designs are scalable, it Runs on open-source software and there are many shared designs on the internet.

I ended up with the reality ender 3 as people recommended it as an overall solid printer for beginners. Instead of working with chemicals neither did I have to build it from scratch. So it was a good choice personally.

Pros of FDM Printer:

1. Scalability - It can be easily scaled to any size.
2. Material flexibility – It can use both cheap filament or expensive carbon fiber for strength.

Cons of FDM Printer:

1. Quality of end product may not be as detailed as with resin printers.

Pros of 3D printing using resins:

1. Better resolution than FDM.
2. Faster printing process than FDM.
3. Stronger finished products than FDM.

Cons of 3D printing using resins:

1. More expensive - Printing with resin is more expensive, both in terms of the printer and the raw materials. While you can buy a desktop-scale FDM printer for about \$300, the cheapest resin printer you can get today will still cost more than \$1000.

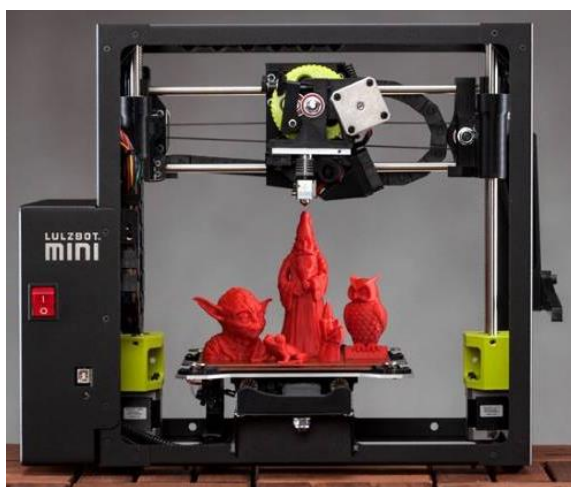
2. No option for composite prints - High-end FDM printers can have multiple extruders, making it possible to create prints made with a combination of different filament materials.

3. Difficult and messy post-processing.

4. Poor availability - Despite being the first 3D printing technology that has been developed, resin-based printing has become vastly overshadowed by FDM printing.

Summary

Overall, it seems that filament-based FDM 3D printing still dominates the typical hobbyist 3D printing market. For my amateur needs and wallet, I will be going with the Creality Ender.



A Lulzbot Mini FDM 3D Printer.

OPINION

The Xenith Football Helmet Reigns Supreme

MITCH CLAXTON

GREENVILLE, S.C. - The best football helmet off all time is the Xenith. Xenith is the best helmet because it comes with the best padding. Players all over the world use it. Personally, I have worn this brand of helmet forever and proceed to love it.

The padding inside the helmet makes it feel like you're lying on a pillow. When you're playing a very tough and physical game of football, you want a very soft helmet to land on. There are many helmet-to-helmet tackles in football, and if you're wearing a Xenith helmet, it makes it feel like you're hitting a pillow instead of a rock. It is made out of thermoplastic polyurethane which is designed to absorb force.



NFL Player Antonio Brown, pictured here, wears a Xenith Shadow helmet.

It has been rated the number 1 helmet by all NFL and college players. In fact, the entire Las Vegas Raiders football team wears Xenith football helmets. ESPN analyzed the helmets and said that the Raiders are one of the three lowest teams for concussions over the past 2 years. Every player has had positive feedback for their helmets. This helmet is not the most stylish but it is the safest helmet you can get right now. I even had a training camp where we used these helmets because of their safety. Playing football in these helmets was an amazing experience. It was light and easy to maneuver my head to see all parts of the field.

I have always been a very rough player throwing my head at people and not really caring. In my first year off football, I had 2 concussions, but then I switched to this new brand of helmet and it has helped me tremendously.

This helmet is one that I will always stick with. I have never been so happy to get back on the field and try to hit the crap out of people. It will make you feel better about playing a crazy and brutal sport.

ARTS

An Interview with Musician Steve Everett

TOPHER MASON

Steve Everett is an adept singer-songwriter from Nashville. He is also the Vice President of a non-profit organization called “Rock by the Sea” based in Florida, which other eminent musicians play at to raise money for children’s charities. He has numerous albums and EPs on Apple Music, and he graciously agreed to be interviewed by me, Topher Mason. I asked him about his musical career, how he got started, and some of his new music. He is an incredibly talented musician, but you should not take my word for it. Go listen to his music yourself to make your own opinion. But without further ado, here are the questions I asked him.

Topher: “So, what was it that made you want to play music for a living?”

Steve: “I was ten years old I think, I went and saw this choral concert, and my dad was a church choir director, and he sang with this church choir. I sat there and listened to them sing, and it was emotional for me. It felt like they had the power to take me on an emotional ride. I just remember thinking that is really cool that you could make people feel the way you want them to through just your voice, and I remember wanting to be an entertainer then.”

Topher: “What inspired your new demo ‘American Dream’?”

Steve: “I started that song a long time ago, and just never got around to finishing it. I did not feel like people would believe that this song would have come from me, but for whatever reason during COVID and just being at the house a lot and just seeing the way everything was going in America and how divided everybody appeared made me start thinking about that old song. I started singing through what I already had, and it just seemed like it hit the vibe of America right now. I picked it up one day and finished it and I was proud of it. I knew I was beginning to make another record, but there is something about a stripped down (raw, unfiltered) acoustic recording that just feels authentic and can grab you a different way, make you feel some emotions that maybe a full band wouldn’t. I recorded it in my bedroom and got a cool recording and I released it like it was.”

Topher: “Who is your favorite childhood musician?”

Steve: “Steve Lukather from the band Toto was my favorite guitarists then I found out about Eric Clapton in high school and it has been him since then.”

Topher: “What are your favorite songs by them?”

Steve: “From Toto it would be ‘Hosanna’ ... from Eric Clapton, he has this concert called *One More Car, One More Rider* and it is my favorite

DVD to watch.”

Topher: “When you are not playing your own music, what music do you like to play for fun?”

Steve: “I love this guy named Ruston Kelly. He is a singer-songwriter from Nashville. Some of his subject matter in his songs are heavier, but I love experiencing somebody else’s mind set.”

Topher: “What is your favorite music genre?”

Steve: “American rock and roll, Tom Petty, The Rolling Stones, anything with electric guitar, bass, drums, organ, and preferably some harmonies. That is why I like ‘Sister Hazel’ (another very talented band) so much because they made that style of music famous in the 90s.”

Topher: “What was your reaction to your song ‘Chemical Weapon’ being chosen to be on numerous NASCAR video games?”



Steve: “It was cool. I am from North Carolina, so I grew up with kids whose dads who worked for NASCAR. It has always been on my radar, but I do not know very much about NASCAR. So, when eSports gave me the call, and said that they were going to put my song in a game. I was like ‘Oh my goodness, that’s so cool’ then they told me it was for NASCAR and I was like ‘NASCAR has video games?’ Then they sent me one of the games, I played it and I thought it was incredible. It was surreal seeing my name and hearing my song. They have kept the song on many of their NASCAR games.”

Topher: “How has COVID-19 affected your music?”

Steve: “The obvious negative is that there are no concerts to play, but other than that it has been a highly creative year for me with my new album coming out.”

Topher: “When song writing, do you make the lyrics or beat first?”

Steve: “Nether. Honestly, it is tough to describe. Songwriting is something that I make myself do at least five days a week for a couple of hours and just write. Now that is not how the good stuff comes. Usually, you have to wait for inspiration. But then other times you will be sitting around playing guitar and you will come up with a chord progression, then a melody. Other times you will awake in the night and have a phrase stuck in

your head and you just have to write a song about it. There is no wrong way to start a song.”

Topher: “Where do you find inspiration for your music?”

Steve: “Everywhere. I go on a half hour walk every day and I try to clear my head, look around and be in nature and the weather, and let the world come to me. I will have ideas on these walks usually.”

Topher: “What advice would you give someone that is interested in learning music?”

Steve: “Start immediately. Don’t wait for permission from anybody. Don’t wait for encouragement from anybody, and don’t worry about all the music that has already been made... I got a guitar when I was ten and I was horrible, then I remember when I was fifteen, people started to notice that I was not so bad at it anymore.”

Topher: “Musically, what did you hope to accomplish in your upcoming album?”

Steve: “I had some sounds that some of my buddies had on their albums and I wanted to see if I could write a song that put you in a similar head space. I wanted to change it up this album and keep the sounds that have come to expect from me. I am not big on setting specific goals, I set goals like ‘Try your best.’”

Topher: “Lastly, and most importantly, what is your favorite color?”

Steve: “I like Tarheel blue.”

With Steve Everett’s new album coming out this would be a good time to go and listen to some of his older music. That way if you like his music, you will have something to look forward to. Being a music lover myself, I have thoroughly enjoyed his music for many years now. You can find his music on Apple Music, YouTube, and Spotify. Once again, I want to thank Steve Everett for giving his time to make this interview with me.



Continued from Page 1. It is not often that we are given the opportunity to hear about such important topics from a person that has "classified" information and who has first-hand knowledge of it. He is clearly a man that has earned the respect and confidence of some of the most important people in our government. I came away respecting him even more because he was so humble in regards to his own accomplishments. Also, he reminded me that no matter what is happening today in the world or in national politics, we are blessed to live in the safest and greatest nation of all, the United States of America. Here we are protected by the bravest military forces in the world. So sleep well tonight because people like Fred Dohse are protecting us.

Crossword Puzzle

WINTER WONDERLAND

by Frank Virzi

Across

- 1. Mistletoe, e.g.
- 6. "___ want for Christmas ..."
- 10. "How the Grinch Stole Christmas" director Howard
- 13. ____, meenie, miney, mo
- 14. Word with box and car
- 15. Forever and a day
- 16. North Pole way for Vixen and Blixen
- 19. Prefix with cycle
- 20. "___ the land of the free ..."
- 21. Reviewer of tax returns: Abbr.
- 22. ___ hit (single)
- 25. By ___ and bounds
- 29. Drum sound from a poor boy of song
- 33. Like many flea market items
- 35. ___ Paulo, Brazil
- 36. Kwik-E-Mart guy on "The Simpsons"
- 37. What one might do before joining the chorus?
- 42. Lamb's lament
- 43. "___ to a Nightingale"
- 44. Like some craft show displays
- 45. Yule dessert request of song

- 50. Square footage measures
- 51. Not outside
- 55. "You betcha!"
- 57. New Deal dam-building org.
- 58. Grade between bee and dee
- 59. Rudolph's unusual anatomical feature
- 64. "___ the season to be jolly"
- 65. Santa's vehicle
- 66. Country star LeAnn
- 67. Built like Santa
- 68. Center of a Christmas display
- 69. Wintry mix component

Down

- 1. Basil-and-pine-nuts sauce
- 2. Get the hang of
- 3. Musical with the song "Tomorrow"
- 4. Little thing to pick
- 5. ___ Party
- 6. Dead to the world
- 7. Shakespearean king
- 8. "The Art of Hitting .300" writer Charley
- 9. "___ Wonderful Life"
- 10. "___ and weep!"
- 11. Suffix with ball or bass

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- 12. Opposite of SSW
- 17. Ending with micro or macro
- 18. Humdinger
- 23. Uncle Remus's ___ Rabbit
- 24. BMW rival
- 26. Away from each other
- 27. Litter member
- 28. Laura Bush's alma mater: Abbr.
- 30. "¿Cómo está ___?"
- 31. ___-jongg
- 32. "The Raven" poet
- 33. Pan Am competitor
- 34. Put on, as a show
- 38. Keystone lawman
- 39. College Web site suffix
- 40. Full house, e.g.
- 41. Ben Affleck film of 2012
- 42. Yale School of Drama deg.
- 46. Most joyful
- 47. River to the North Sea
- 48. What + signifies, in math
- 49. "Back ___ hour": store sign
- 52. Start of a Christmas carol
- 53. Examine again, as a patient
- 54. "Thou ___ how sloth wastes the sluggish body": Ovid
- 56. The "S" in CBS: Abbr.
- 57. "God shed His grace on ___"
- 59. Justice div. that conducts raids
- 60. By way of
- 61. Certain 35mm camera
- 62. 1812, 2001, etc.: Abbr.
- 63. Zilch



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