



The PRO-Craft Perspective

Concrete Dreams

The Schubert Family Legacy in the Heart of Montana

Early one morning in 1952, in a small town on the northern border of Montana known as Chinook, my 19-year-old father climbed into his 1946 Chevy and fired it up — it was that day he left Montana behind.

He had his eyes set on the beaches in the magical state of 1950s California, and it was there that he met my mom. He was the only one in the family to leave Montana. My dad, Cliff, was the middle child of a family of seven, six boys and one girl, my aunt Mary Lou. Growing up, my family visited Montana almost every summer, and my dad and those five brothers became my heroes.

These guys were weathered and rugged men — they lived and worked in construction and were intimidating, all standing 6 feet or taller. Upon shaking their hands, I remember noticing how rough they were — like firewood — from their hard labor. I remember their telling me always to look a man in the eyes when you shake his hand.

In about 1972, according to my research in the Guinness Book of World Records, Chinook was the coldest place in the United States on record. Yet, my father and uncles hunted and fly-fished, and in my 12-year-old imagination, they were bigger than life. They lived in what I thought was a land of adventure with lakes, rivers, and streams everywhere, but most of all, the big endless skies of Montana.

These brothers lost their mom to cancer right after WWII when my dad was 13 years old. My grandfather, Oliver, was left to raise seven children, ages 8 to 17, on his own. I remember hearing a story of my grandfather getting a ride to California and driving a used

cement truck he brought all the way back to Montana. This was way before freeways and convenience stores, and he slept in the truck as he stopped along the way. If you know anything about the suspension and the top speed of a 1940-something cement truck, then you know what kind of trip back to Montana that was.

When he returned to Montana, he started a concrete business, and all his boys grew up pouring concrete. In those days, there were no concrete pumps to move the concrete where it needed to be; it was all done with wheelbarrows and sometimes wood scaffolding to run the wheelbarrows up to the high areas to pour it out. If you ever find yourself in the charming town of Chinook today, my grandfather and those six brothers poured most of the city sidewalks and curbs there.

I was young when my grandfather Oliver passed away, but one of my favorite memories is of him standing in a stream with his fishing waders on and water up to his waist, bouncing a fly off the water as he fly-fished. While I didn't know him well, I figured out what type of man he was by looking at his six boys. These men lived by an honor code of honesty, duty, and personal responsibility. They were fiercely independent and self-sufficient and were amazing fathers and providers for their families.

As time went by, most of my uncles worked several jobs to put food on the table. When my dad made his way to California, he got his first job shoveling slag at the Bethlehem Steel Plant in Maywood, California. After several layoffs, he ended up at Douglas Aircraft in Santa Monica and, with no college education, was trained as an engineer in the aerospace industry. He went

on to work at Bell and Howell on parts for the space shuttle before he retired.

Everything I know about hard work I learned from my dad. My uncles Ron, Jack, and Larry started construction companies when they left the Army and Navy. I recall watching them putting roofs on new houses they were building in nothing but a T-shirt in the deep snow of December. Allen turned down an opportunity to attend West Point to marry his sweetheart. He managed a store for the Buttress Foods grocery chain. Gordon went to trade school and learned to cut hair, opened a barber shop, and loaded luggage for Delta Airlines part time. Whenever we visited Montana, my two younger brothers and I were sure to come home with a haircut from Uncle Gordon.

Each of these brothers built a family legacy of hard work and persistence. They took their roles as head of the house and provider seriously and never wavered. Their marriages stood the test of time, and they treated their wives with the honor and respect they deserved. They knew what it took to be good fathers and husbands because they saw it in action watching their father, Oliver.

Every day, we get out of bed and have the opportunity to make something of ourselves. The decisions we make develop our character and the course of our lives. Let's make it our goal to leave behind a legacy we can be proud of, a story our children will be proud to tell.

All the best,



SOME OF HISTORY'S QUIRKIEST MOMENTS

Grab your time travel hats! We are peeling back the layers of the past to reveal a few stories you won't find in the history books, though history class would have been much more fun if they were!

WHEN STILLNESS CREATED HISTORY

Imagine a bustling Parisian street filled with life and activity. A photographer is there, about to take the first known photograph of a person. But the only person still enough to photograph was a man getting his shoes shined — the exposure time then was several hours, almost a whole day's work! So, the shoe-shining duo became unexpected celebrities in history as the subject of the first known photograph of humans in 1838.

A WHISTLE STOP FOR WOMEN'S CONTRIBUTIONS

When trains first thundered across the American landscape, some women wouldn't ride them — a bizarre myth emerged claiming that traveling at speeds of 50 mph would cause their uteruses to fly out of their bodies! Thankfully, at least two women saw past the strange notion to propose genuine improvements in the iron horses. In 1870, Eliza Murfey held 16 patents for her inventions to improve how bearings on train car wheels responded to their axles. In 1879, Mary Elizabeth Walton held two patents for reducing smokestack emissions.

TALE OF THE TALLEST BUILDINGS

The Great Pyramid of Giza is the oldest and last remaining of the original seven wonders of the world. For 4,000 years, this architectural marvel was the tallest building in the world. But all reigns must end, and in 1311, the Lincoln Cathedral in England claimed the crown. It was the tallest building for 237 years until its spire collapsed in 1548. However, it was still the tallest building ever built until the Ulm Minster in Germany set a new record in 1890 — it's still the tallest church in the world.

SHORTS SHOOK THE WORLD

In the sizzling summer of 1937, something extraordinary happened on the streets of Toronto that changed fashion forever. Two daring women went out in public wearing shorts. Yes, shorts! The sight was so unusual that it drew overwhelming attention and even caused a car wreck! While this moment caused quite a stir, it wasn't until after World War II that shorts gained popularity.



Introducing the Latest Advancement

Micro CT Scanner at PRO-Craft Dental Laboratory

At PRO-Craft Dental Laboratory, we take pride in staying at the cutting edge of dental technology and are thrilled to announce the latest addition to our arsenal of intelligent manufacturing tools — the Micro CT Scanner. Micro CT scanning swiftly converts physical impressions like PVS (polyvinyl siloxane) or elastomeric impressions into digital files. This technology removes the need for error-prone methods involving plaster models and offers precise and efficient digital workflows.

Let's take a look at the applications of Micro CT scanning and explore how it can elevate your dental practice.

ROOT CANAL TREATMENT PRECISION

Micro CT scanning's ability to produce high-resolution 3D images works magic for helping to understand the complex morphology of root canals. It provides detailed surface area and volume information, enhancing the success of root canal procedures.

INSIGHTS INTO CRANIOFACIAL SKELETAL DEVELOPMENT

The Micro CT Scanner allows for in-depth analysis of trabecular bone, offering valuable insights into craniofacial skeletal development. By assessing bone structure, density, and connectivity parameters, dental professionals can gain a better understanding of craniofacial shape and abnormal growth.

ADVANCEMENTS IN BIOMECHANICS — FINITE ELEMENT MODELING (FEM)

Micro CT scanning supports biomechanics by facilitating Finite Element Modeling of teeth and bones. It enables precise sectioning of dental structures, aiding in understanding stress and strain distribution during procedures such as cavity preparation and tooth restoration.

CONTRIBUTIONS TO TISSUE ENGINEERING

The technology plays a pivotal role in tissue engineering, enabling the non-destructive examination of engineered tissues. This

advancement contributes to the progress of regenerative medicine by studying various stages involved in creating bio-artificial organs.

ENHANCING DENTAL IMPLANTS

Micro CT scanning provides quick, high-resolution images assessing the connection between living bone and implanted material. It offers clear visibility of bone growth over the implant surface, determining the osseointegration and overall success of the implant.

NON-DESTRUCTIVE ENAMEL THICKNESS MEASUREMENTS

Micro CT scanning offers non-destructive enamel thickness measurements with high-resolution images, providing accurate insights into various stages of human evolution without resorting to destructive analysis methods. Additionally, it accurately measures the width of inner tooth structures, including dentin and the pulp chamber.

Do Your Teeth Have Mamelons?

Here's What You Should Know

Have you ever noticed tiny rounded bumps on the edges of your teeth when you flash a smile in the mirror? These intriguing features are called mamelons.

Mamelons are the delicate, scalloped waves that grace the edges of your teeth, specifically the incisors — those four prominent teeth standing guard at the front of our mouth on the top and bottom. Mamelons are made entirely of enamel and usually appear in groups of three per tooth.

The presence of mamelons is most noticeable in children. As a new tooth makes its grand entrance, these little ridges announce its arrival. Think of them as sets of miniature mountain ranges, ready to be smoothed out by life's journey. However, not all mamelons go away. Some stick with us through adulthood.



Interestingly, mamelons don't hold any clinical significance to dental health. They're like nature's temporary decoration on your teeth.

Usually, they will wear away as we chew and bite into foods like apples, meat, and Tootsie Rolls (why are they so hard?).

But if your teeth are misaligned, this won't be the case. For instance, if you have an open bite where teeth don't meet as they should, the enamel ridges won't get the natural wear and tear they need to smooth away.

Then the question is what to do about these ornaments in your smile. Should they stay, or should they go? They aren't villains in our oral health story. They don't interfere with our chewing habits, nor do they pose a threat to our oral health. However, many people still wish to have them removed for aesthetic reasons.

The removal process can be done while you sit comfortably in the dentist's chair. The dentist will

perform a simple cosmetic procedure to file or shave down the mamelons and create a smooth, straight edge on your teeth.

Because mamelons are made of enamel, they have no nerve endings. Thus, you won't need any anesthetic treatments during the procedure. It only takes one session, and the results are permanent. Once those little waves are gone, they won't come back.

After the procedure, you can resume regular activity and eating habits. There is basically no recovery time. Some people may be sensitive to hot and cold immediately afterward, but it will disappear in a day or two.

Please see your dentist if you would like to have mamelons removed. They aren't like nails or other cosmetic procedures that can be done at home. Because the change is permanent, be sure you see a dentist you trust.

Your smile is your signature, a unique expression of who you are. Whether you remove or keep mamelons, wear your smile with confidence and joy. After all, it is your smile that lights up the world, mamelons or not.

Take a Break

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5		3					
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3				2			6
8		4		7			3
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		6	8			5	

Solution

6	8	2	3	1	4	9	7	5
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5	9	3	7	8	6	2	4	1
2	1	7	6	3	5	4	9	8
3	5	9	4	2	8	7	1	6
8	6	4	1	7	9	5	3	2
7	4	5	2	6	1	3	8	9
1	3	8	5	9	7	6	2	4
9	2	6	8	4	3	1	5	7

Chipotle-Inspired Chicken Burrito Bowl



INGREDIENTS

- 2 boneless chicken breasts
- 2 tbsp olive oil
- 1 tsp paprika
- 1 tsp cumin
- 1/2 tsp chili pepper
- 1/2 tsp salt
- 1/2 tsp pepper
- 1 cup white or brown rice, cooked
- 2 cups shredded romaine lettuce
- 1 cup canned corn
- 1 cup canned black beans
- 1 avocado, cubed
- 1/4 cup sour cream
- 1/4 cup shredded cheese

For Salsa

- 1 tbsp chopped cilantro
- 1/2 tomato, chopped
- 1/2 onion, chopped
- 2 tbsp white vinegar
- 4 tbsp lime juice
- Salt, to taste

DIRECTIONS

1. Cut chicken into bite-size pieces. In a medium-size bowl, add chicken, olive oil, paprika, cumin, chili pepper, salt, and pepper. Mix until chicken is evenly coated.
2. In a skillet over medium heat, cook chicken for 7 minutes or until cooked through. Set aside on a plate.
3. In a large bowl, layer the rice, lettuce, corn, beans, and cooked chicken.
4. In a separate bowl, mix together salsa ingredients, then pour over the chicken mixture.
5. Top with avocado, sour cream, and cheddar cheese. Enjoy!

Inspired by EasyChickenRecipes.com



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PRECISION REDEFINED

The Stratasys J5 Is Revolutionizing Denture Creation



AI, voice recognition, and electronic vehicles, oh my! Technology is revolutionizing our world, including the dental industry. These technological advancements continually reshape the way all dental offices approach patient care. One groundbreaking innovation is integrating 3D printing technology, specifically

the Stratasys J5, to create digital dentures. We recently introduced this state-of-the-art digital printer into our lab, offering unprecedented precision, customization, and efficiency in the production of dentures.

THE STRATASYS J5 — A DIGITAL DENTURE PIONEER

The Stratasys J5 was specially designed to meet the demands of dental applications. Its advanced capabilities allow dental professionals to transition from traditional methods of denture fabrication to a streamlined, digital workflow. This shift enhances the precision of denture creation and introduces several notable advantages for practitioners and patients.

ADVANTAGES OF CRAFTING DIGITAL DENTURES

Precision and Accuracy

The Stratasys J5 employs cutting-edge technology to create precise digital dentures. This ensures a perfect fit and optimal functionality for patients while addressing complications commonly associated with traditional denture creation methods.

Customization for Individualized Care

Every patient's oral anatomy is unique, and the Stratasys J5 excels in providing customization options. Dental professionals can tailor digital dentures to each patient's specific needs and preferences, resulting in a more comfortable and aesthetically pleasing fit.

Rapid Prototyping and Iteration

With traditional denture production, the process of creating prototypes and making adjustments can be time-consuming. The Stratasys J5 facilitates rapid prototyping, allowing for quick iterations and adjustments as needed. This not only accelerates the overall production timeline but also enhances the practitioner's ability to fine-tune the denture design.

High-Quality Material Options

The Stratasys J5 offers a range of high-quality materials suitable for dental applications. Practitioners can choose materials that not only meet the functional requirements of the denture but also provide durability and long-term wear resistance.

This advanced technology empowers dental professionals to elevate patient care through precision, customization, and a streamlined digital workflow. As the dental industry continues to embrace innovative solutions, the Stratasys J5 will surely help us reshape the future of dentistry!