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# **Moo's Update!!**

# **Spring Newsletter**

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**CREAM 2016-2017**



# ~This Year's Newest Additions~



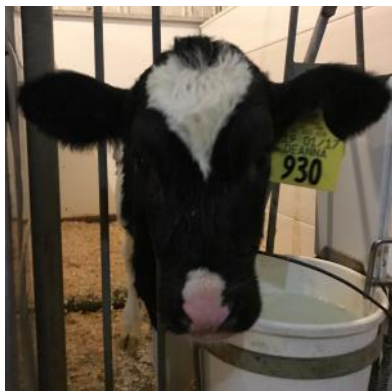
**Chipotle and her calf Guac**

**Did you know that every CREAM cow's heifer is named by her respective CREAMer!!**



**Lentil and her Bull Calf**

**Did you know that the average calf weighs 90 lbs at birth?**



**Henrietta with and her twins, Deanna and Phyllis**





**Dill and her calf Relish**



**Meek's bull calf**

*What did the  
moma cow say to  
the baby cow?*

*"It's pasture  
bedtime!"*

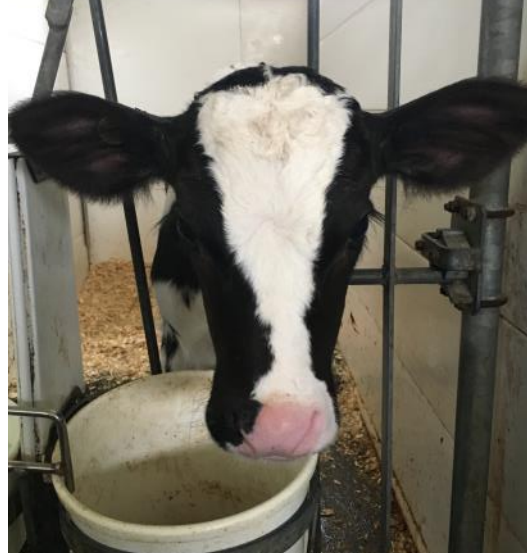


**Sprinkle's bull calf**



**Frosting and her Calf Ganache**

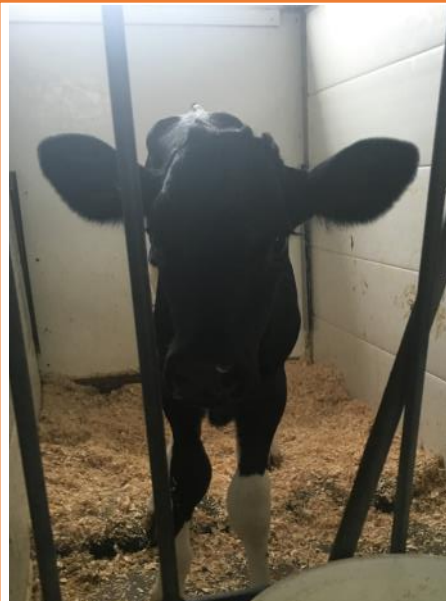




**Turtle and her calf Squirtle**



**Tigger and  
her calf  
Heffalump**



**Harmony  
and her calf  
Harambe**





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# FROM CREAM TO AFRICAN DREAMS

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By Courtney Kamyk



I am a junior animal science, pre-veterinary major with an animal behavior minor. I am also currently enrolled in the CREAM class. This year, I received an amazing opportunity from the Hamel Center for Undergraduate Research here at UNH. I was awarded an International Research Opportunities Program grant of \$8,800 to conduct research this summer in Livingstone, Zambia! I will be working with 12 lions, six adults and six sub-adults, in the Mosi-oa-Tunya National Park. My project will take place over nine weeks and aims to answer how boldness is related to other natural behaviors—such as play, aggression and social—are correlated in African lions. In order to measure boldness I will be using two playbacks, one of another lion pride and another of hyenas. By observing how the individual lions react to each playback I will be able to assign them boldness scores using a scale system. A lion receives a +1 for a bold reaction such as approaching the sound and a -1 for a shy or timid reaction such as running away. To look at the prides natural behaviors, I will observe them over the nine weeks during three different sessions each day and record all behaviors between the individuals. I will be working with the African Lion Environmental Research Trust in order to hopefully apply the results of my study to their reintroduction program and help them better select individuals suited for reintroduction into the wild.

# Barn Manager Interview: Jon Whitehouse

By Ari Gough and Maddy Prindle

*"Are we done with this soon?" -Jon*

**What is your favorite part of CREAM?**

7:59 pm

**If you could sing one song on American Idol what would it be?**

Bohemian Rhapsody

**Do you believe in Bigfoot?**

Mark: It's not a question of if it exists, its where.

Jon: Sure

**Why did you go into this field?**

I like to work with cows and I couldn't be a veterinarian.

**What would your finsta name be?**

Wipeout.

**Tell us about your time at UNH.**

Four glorious years at AFP and 5 years in school and I met the love of my life after she tackled me through a door.

**Are you for pineapples on your pizza or against it?**

I guess I'm for it.

**Weirdest thing that's ever happened to you or a cow?**

When I got run over in the pack barn by Sprinkles.

When Pippa the cow fell in the gutter.

**Funniest memory at the barn?**

Past employee trying to drive data ranger across the lawn – epic fail.

**Jon, would you like fries with that?**

Yes. Of course I would.

**If you were a UNH cow which one would you be?**

Pooh Bear # 404.

**Is the dress blue/black or white/gold?**

Blue/black.





Photography by  
Courtney LeCuyer



**A  
“CREAMER’s  
Eye View” of  
the Barn**



# T.A. Interview: Eric Hatungimana

By Shelby Jaffe

Q: What aspect of CREAM do you find interesting?

A: The way chores are done by students and the attitude they have. The way they work hard, but enjoy it. "People don't like to get into manure stuff." in Rwanda. Yet the CREAM class doesn't mind doing the labor and have a positive attitude about the work they do.

Q: What made you want get involved with CREAM?

A: I was assigned to CREAM, but I enjoy it because it is a new experience. The way students take a leadership role and how they learn to communicate with each other and share knowledge.

Q: What got you involved with cows?

A: My parents had cows, when I grew up. The University of Rwanda was heavily geared towards crop science. I felt Animal sciences would give me more opportunities to run a business in a small space, as

Q: What's your education background with cows?

A: At the University of Rwanda I studied 3 years of general ag, and the last 2 years had the option to pick crops, animals, or soil sampling. I chose Animal Science.

Q: What do you think of the CREAMers? What would you change about the course?

A: As this was my first experience with CREAM, when Drew told me I would be a TA and I had no idea what it was. I thought we would be making some kind of cream product. It is exciting and new, and I enjoy that the students are excited and driven to learn. They learn from the advisors and each other. It is great that the students want to continue their animal science careers. Also CREAM has many innovations

Q: What's the difference in husbandry and cow breeds compared to Africa?

A: Back home, there is poor infrastructure for agriculture and poor feed. The cows don't perform as well there. The breeds are the same, but the performance and husbandry levels are quite different. Farmers and managers don't have any formal education and training. They learn by doing, not by being taught the proper way.

Q: Do you have a favorite cow?

A: Normally we have no favorite cows, but all the cows in CREAM are the best ones in the barn. Back home, we had 10 cows and I would say I liked a cow based on behavior and personality.

Q: What do you want expect to get from this experience?

A: The end goal for CREAM is to look at how the herd is managed here to learn how to manage my own herd or a University herd better. Understanding how CREAM gets the milk quality it achieves, the whole experience of farm management is important. When I go home, I can share the experience.

Q: What would you like to learn more about?

A: Management is important to me. I want to learn more about milking, feeding. Practice is important. I wish my arm hadn't been injured before I came, so I could be more hands-on with the string.



# UDDER ROT

DISEASES AT FAIRCHILD BY ANGELIQUE FOLEY

Known as “udder rot” at our facility, “udder cleft dermatitis” or “ulcerative mammary dermatitis” is an ulcerative skin lesion resulting in oozing and scabbing necrotic tissue, usually occurring either at the anterior end of the udder where the fore-udder attaches to the body, in the cleft on the underside of the udder, or in the inguinal region between the thigh and udder. Though this condition is relatively prevalent throughout our country, the Netherlands, Sweden, and other parts of Europe, its etiology is mostly unknown.

Scientists have found that the condition may begin due to chaffing and rubbing under moist conditions in the aforementioned regions of the body, which can be the result of udder edema in cows that have recently calved or genetic udder conformation such as a deeper udder relative to the hock, large front quarters, or a small angle between the udder and abdominal wall. Some have also found prevalence of this condition to be associated with higher herd mean production levels, the use of a footbath, prevalence of digital dermatitis, higher days in milk, and later parity (after having 3 or more calves).

Research analysis of the organisms on the ulcerative lesions have detected the varying presence of multiple species of bacteria, including *Treponema spp.*, *Corynebacterium minutissimum*, *C. jeikeium*, and *Prevotella melaninogenica*, as well as *Geotrichum spp.*, a genus of fungi known to be opportunistic. It is unknown if the presence of these organisms initiates the condition or simply worsens it as an after-effect.

As a duty of the Herd Health Subcommittee, some members of CREAM work to treat this condition. Since the locations where udder rot tends to occur are hidden during daily activities, we meticulously checked the entire herd at the beginning of the semester. This helped us to acknowledge the prevalence within our herd and know which cows to treat. We found a couple cows with some major cases (Adele and Fletcher), a couple with moderate cases (Charlotte and Willow), and one early case (Aurelia) that may have gotten worse without treatment. We also do spot-checks if we catch a glimpse of something new on a cow not yet on our list of cows to be treated. Daily treatments involve wearing gloves to clean the affected area with Chlorohexadine-soaked single-use paper towels and then drying thoroughly with dry single-use paper towels. For the moderate and worse cases that had open wounds, we would also apply Biozide Gel, which is a bactericidal, fungicidal ointment that will help the wound to heal while reducing infection.

Our entire class also works on prevention strategies by keeping the bedding in all stalls as clean, dry, and bountiful as we can. Any CREAM or research workers that spot possible udder rot let us know for the purpose of early detection and treatment. In addition, our Breeding Committee helps to select for genetic conformations that will keep our ladies healthy.

# Jon's Wishes do Come True!!

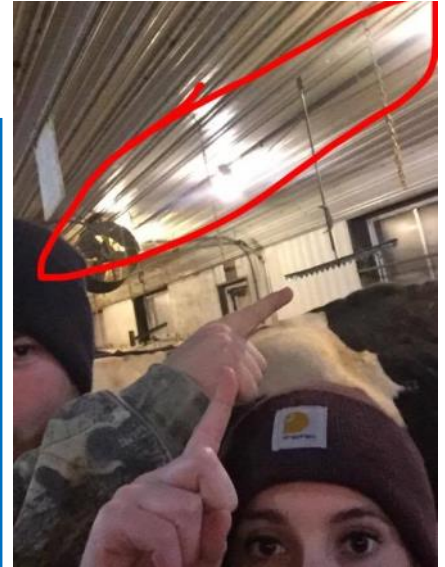
By Kyle McLain

It was a dark and stormy night. The wind was howling and it was raining cats and dogs. Then, it hit me; *I need to figure out a way to help "The Man, the Myth, The Legend," Jon Whitehouse.*

Jon doesn't always have time to get everything done around the barn, and some things often go unfinished. He makes lists every week for the Facilities committee to do, and they accomplish small projects within the hour of class time; however, I believed more needed to be done. For that reason, I created the subcommittee "Jon's Wish List," helping relieve Jon from the stress of getting things done around the barn, while performing hands on tasks to help out the class.

The members of Jon's Wish List were: Maddy Prindle, Shelby Jaffe, Alex Tongs, Isaac Traynor, and myself. We completed many major projects around the barn this year, along with a lot of smaller projects as well. At the beginning of the school year, a street-sweeping brush was placed in the exercise pen to allow the cows to scratch themselves when enjoying the beautiful weather outside. A feed bin was missing a feed bin boot and was replaced with a new one by Jon's Wish List. Jon bought a security system for the barn because he believed some people were coming in the barn at night and messing with the cows. Members of this subcommittee put the cameras up and ran over 400 feet of wire from many areas of the barn to Jon's office. Also, we put up a small canopy shed to store equipment. The smaller projects involved cleaning out the cattle trailer, fixing doors and hoses, putting up new wires for trainers, and many other small items that Jon needed a hand with.

Everyone in this subcommittee worked very hard to give back to the barn and help Jon whenever he needed it. We learned new skills from one another and learned to work as a team. It was a lot of fun and we all shared some great laughs working on these projects that have turned into memories for years to come.





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# BARN TOURS: CURIOUS KIDS AND THEIR CRAZY QUESTIONS

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By Isaac Traynor

The Fairchild Dairy Center is open to the public, and one of my favorite things that I have been able to do while in CREAM is give barn tours to elementary school kids. I've given four or five of these tours, and each time is just as entertaining as the last. The kiddos sure are curious, and they're not afraid to ask what older people may think of as "stupid" questions. This article is dedicated to all the laughs and amusement I got from answering the oh so many questions. Here are some of the highlights.

Child: "Do any of these cows have anthrax?"

Isaac: "What? No. How do you even know what anthrax is?"

Child: "I don't know, TV I guess."

Isaac: "Yikes."



Child: "Does that calf have cancer?"

Isaac: "Uhh, no."

Child: "Then why is it wearing a blanket?"

Isaac: "When do you wear blankets?"

Child: "When I'm cold."

Isaac: "So the calf might be cold?"

Child: "I guess so."



Child: "OH MY GOSH. These cows are stinky!"

Isaac: "Maybe the cows think you're stinky."

Child: "Oh."



Child: "That cow is screaming so loud. Is it giving birth?"

(Cow is not giving birth. In fact, this "cow" was currently in the super-hutches.)

Isaac: "You've screamed like three times already today, were you giving birth?"

Child: "No."

Child: "Do you live at the barn?"

Isaac: "Nope, you know how your teachers don't actually live at school? Well that's like me. I work here, but I live somewhere else!"

Child: "I thought my teacher lived at school."

Isaac: "Maybe they do, I don't know."

"Can cows do math?" This may seem like a silly thing to ask, but, honestly, maybe the cows can do math. I like to think that this little kid was just keeping an open mind when it comes to the abilities of cows. When I responded with "Gee, I don't know, maybe." I was then asked if I could do math. I sure thought I could, but they proceeded to give me the math exam of a lifetime. "What's  $20 \times 2$ ?  $100 \times 100$ ?  $1/1$ ?  $0 \times 0$ ?" Like some seriously tough questions. I got them all wrong ;) because making a 10-year-old think they're smarter than you is extra fun; I now realize my dad did the same most of the time.

Anyways, giving these tours has been one of my favorite parts of this year in CREAM, and I hope you enjoyed reading these stories as much as I enjoyed touring these kids around the barn!

# Mark Trabold; The Guy Behind The Cows

BY ALEX TONGS

In the beginning of the year, many CREAMers knew about the assistant manager, but no one knew who Mark really was. Personally I thought he was just a guy that seemed to be around the barn a lot, which now makes sense. Most CREAMers saw him as just an intimidating legend that roamed around the barn doing manager-like tasks who didn't speak and was rarely seen. With all this speculation, I thought it was time to get to know the guy behind all these tales. Mark was a graduate student from UNH who studied Dairy Management. In his early years, he thought about going the pre-vet path, but that idea was quickly faded when he realized he could barely pass general chemistry. After graduating, Mark came back to Fairchild Dairy when he realized how much he had loved the atmosphere of the facility and became the assistant manager. Mark said "I like the teaching aspect of my job. I like being able to educate students about the Dairy Industry." We then continued to talk about how the general public sees the dairy industry. One thing that Mark wishes he could change about the perception of dairy, is to make the general public understand that antibiotics are not allowed in any milk. He continued to explain that Organic milk brands advertise that there are no antibiotics, but in all actuality no milk that is sold contains antibiotics. Antibiotic milk is not allowed to be collected from farms when the milk truck comes. It was nice to hear about how Mark started in dairy, but I thought that the audience should know more about Mark then besides his life story and show the uncut, real Mark Trabold. The following page is a Q&A of Mark Trabold!





**What is your least and favorite chore to do on shift?**

Milking is my favorite chore to do and I hate having to pick the spoilage of the silo piles.

**If you could be and breed of dairy cow, what would you be and why?**

I would be a Brown Swiss calf because Brown Swiss are dopey and loveable like my personality. I would want to be a weaned calf because that means I'm passed the scour face but still spunky, cute and energetic hopping around my pen. My name on my ear tag would be Espresso.

**If you hadn't chosen dairy, where would you be doing?**

I would most likely be a crop manager, but my mid life crisis career would be building custom cars.

**What did you take away from living at the barn and being a part of CREAM?**

I learned from CREAM how to be a leader, but at the same time listen to others. Living at the barn gave me the opportunity to have the college experience, but at the same time be able to step back from the typical college student life. My advice for future CREAMers would be to not just take the course if you just want to get into vet school. Take the class if you want to gain more knowledge about the dairy industry or have a passion for dairy.

**What was your favorite memories with the current CREAM class?**

The conversations I have with the CREAM'ers while we milk together have been some pretty interesting conversations. Another memory is when I scared Kyle so bad, that he launched himself into the shavings pile.

**Who is you favorite cow and what cow do you have a love hate relationship with?**

My favorite cow is 781 because every time I go to use the paddle to the manure, she throws her head at me when she sees me so that I know it's time to give her scratches. My love-hate relationship cow would be 672 because I just want her to love me and she just won't give me the time of day.

**What would be the song to your life and what is your catch phrase? What is your spirit animal?**

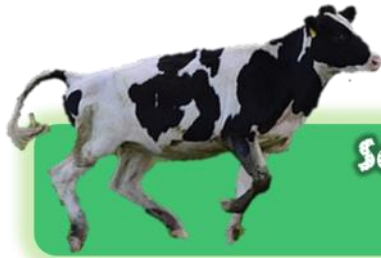
I constantly say to the girls "High Knees! Move it or lose it!". My life song would be *Rocks Off* by The Rolling Stones. It would be the bobcat.

**What is your view on Jersey cows?**

Well... I have to look down on them since they are goats.

**If you had your own farm, what breed would you have?**

I would have 80% Holstein and 20% Brown Swiss.



## Senior CREAMERS finally Mooving on...

By: Brittany Mezzancella

**Brittany Mezzancella**- Biomedical Science: Pre-Vet

Plans after graduation: To attend University of Missouri College of Veterinary Medicine, spend 24 hours a day studying and rescue a deaf dog!

What I learned: "Before CREAM I had minimum cow experience. Now I am confident and learned a new set of skills that would help me when I have a chance to work with dairy cows in the future."

Miss most about CREAM & UNH?: "My cow Honey, who is and forever will be the dirtiest cow in CREAM and probably the whole barn! "

Tips for future CREAMers: "If you are not skilled yet at a specific chore, Practice, Practice, Practice!! Get to know your herd and watch your back when the girls are in heat!! Lastly, Get ready to always smell like the barn. Don't worry, you'll get used to it!"



**"I will sadly never forget the time first time I milked, I stripped out a teat and it somehow squirted right into my mouth. Yum"**



**"Without CREAM I would not know the importance of Initiative!"**

**Kath Krieger**- Biomedical Science: Pre-Vet

Plans after graduation: Work with animals in a veterinary setting

What I learned: "CREAM taught me how to work with people of all personality types and helped me get out of my comfort zone."

Miss most about CREAM & UNH?: "I will miss working with the cows, the unique classes I took, as well as all the friends I made at UNH."

Tips for future CREAMers: "Get to know your classmates early on and get involved in the class as much as you can!"





**"I'll never forget when Dill kicked my arm and made Post-dip fly all over me while my parents and sisters were watching."**

**Melissa Banville**- Biomedical Science: Pre-Vet

Plans after graduation: continue to be around animals and work at petsmart

What I learned: "I am not more comfortable with my abilities to complete tasks and stand up for myself."

Miss most about CREAM & UNH?: "Working with the cows and learning how to run a barn."

Tips for future CREAMers: "Always set multiple alarms for morning shifts!"

**Victoria Ashley**- Biomedical Science: Pre-Vet, dairy Management minor

Plans after graduation: Attend Veterinary school at the University of Prince Edward Island- Atlantic Veterinary college to become a large animal veterinarian.

What I learned: " CREAM gave me my first real experience with cows at a dairy farm which helped me get other jobs at farms"

Miss most about CREAM & UNH?: "The cows we have here, especially Anzac, my first little royal heifer."

Tips for future CREAMers: "Get as much experience as you can with all species of animals, especially if you're going to vet school."



**"I wasn't born in a barn... but I got here as fast as I could!"**



**'Never thought I would love anything more than a chipotle bowl... but I was wrong. CHIPOTLE THE COW AND BABY GUAC!'**

**Cassidy Maugeri**- Animal Science

Plans after graduation: Attending veterinary school at Purdue University.

What I learned: "Dealing with different types of people and getting to learn the dairy industry."

Miss most about CREAM & UNH: "CHIPOTLE AND GUAC."

Tips for future CREAMers: "Bring snacks to business meetings!"

**Vivien Burnell**- Biomedical Science: Pre-Vet

Plans after graduation: Attending Washington State Veterinary School.

What I learned: "To have confidence around large animals and around farmers and their business."

Miss most about CREAM & UNH: "Jenga ☺"

Tips for future CREAMers: "If a cow farts there's most likely poop coming out after it!"



**"When I realized cow pee smells like apple juice.. I no longer drink apple juice"**



**"I never thought I would be so willing to wake up at 3:30 AM."**

**Angelique Foley**: Sustainable Agriculture and Food Systems

Plans after graduation: Unsure, there are so many great options.

What I learned: "Almost everything in CREAM can be applied to about any "real-world" job."

Miss most about CREAM & UNH?: "All of it, including my fat cow, Thistle."

Tips for future CREAMers: "Be proactive with your time management! Be thorough and patient in communicating with others! Put your heart into everything you do!"

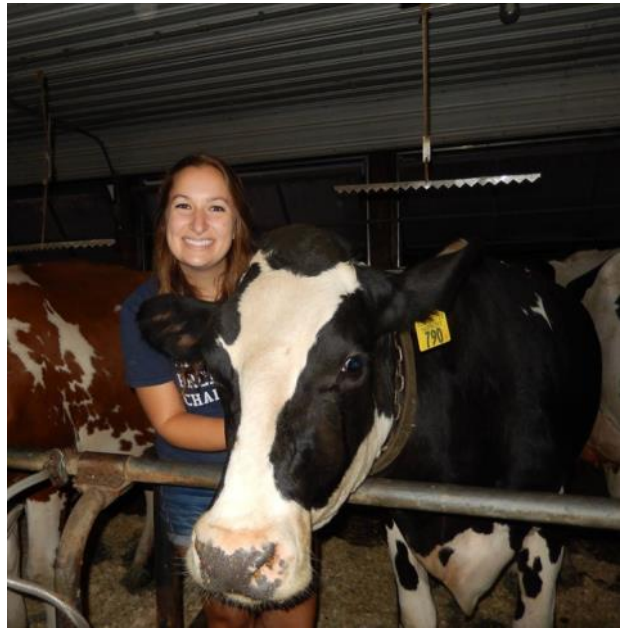
**Gianna Tempera**- Animal Science

Plans after graduation: working at Cocheco Valley Humane Society for a year before applying to veterinary school.

What I learned: "I learned so much during CREAM, from hands-on experience to working in a group of not so-like minded individuals. I will definitely use all of this in my future."

Miss most about CREAM & UNH?: "Waking up at 3:30 AM in the middle of a blizzard. Just kidding. Definitely spending time with the cows."

Tips for future CREAMers: "Make the most of your experience in CREAM. It is such a unique class and you really get out of it as much as you out in. Focus on what interests you the most and run with it."



**"I only got stepped on by two cows!"**



**"My favorite part about CREAM is spending time at the barn, because when people come to visit I love giving them a speech about how Frenchie is the best cow in the barn."**

**Sarah Beggan**- Animal Science

Plans after graduation: to work on the road for a horse barn and then getting a pharmaceutical lab job while working with animals.

What I learned: "CREAM will help me mesh with different types of people. CREAM has made me realize that you can't change people you simply have to accept them for who they are and try your hardest to mold to their standards when you are around them."

Miss most about CREAM & UNH?: "Frenchie. No double about it. I love that cow."

Tips for future CREAMers: "Never say you can't. Doesn't matter if you think you can't drive the Jay-Lor, milk out a first calf heifer, get a cow into her stall, clean a maternity stall, etc. Just do it and eventually it will get easier because no one wants to hear you complain and say that you can't do something."





**"I will never forget the time when I got Isaac to try the milk replacer to see if it tasted as sweet as it smells!"**

**Madison Prindle**- Biomedical Science: Pre-Vet

Plans after graduation: To work on a local dairy farm and to gain as much experience as I possibly can.

What I learned: "CREAM has shown me how to work together as a team in order to provide the best care possible for our cows."

Miss most about CREAM & UNH?: "I will definitely miss the sunrises that you can only see when you work morning shifts."

Tips for future CREAMers: "It is way easier to drive the Jay-lor backwards rather than forwards (especially when you're short like me!)"

**Ashley Azarowski**- Biomedical Science: Pre-Vet

Plans after graduation: To move to Raleigh, NC to gain more veterinary experience during my gap year before hopefully attending NC State for vet school! I hope to work full-time at a veterinary hospital while volunteering/interning at The Carolina Tiger Rescue.

What I learned: "CREAM has taught me a lot about how challenging, yet rewarding it is so work in a large group of people with so many different personality types. This class has been extremely difficult at times, especially because I am quiet, however I think I have learned a lot about conflict resolution."

Miss most about CREAM & UNH?: "I will miss being able to visit the cows whenever I want!! Especially my girl Flower."

Tips for future CREAMers: "Take part in things that interest you, but don't bite off more than you can chew. Its admirable to show initiative, but be sure you can follow through!!"



**"Something I learned about cows: They enjoy pulling pony-tails!!!"**

# THE FALLEN SOLDIERS

BY: VICTORIA ASHLEY

## COWS:

*November 2016*

725 Eeyore Culled Low Production

*January 2017*

752 Moksha Culled Mastitis

*March 2017*

766 Allie Mae Euthanized Twisted Uterus

749 Willow Culled Reproductive Issues

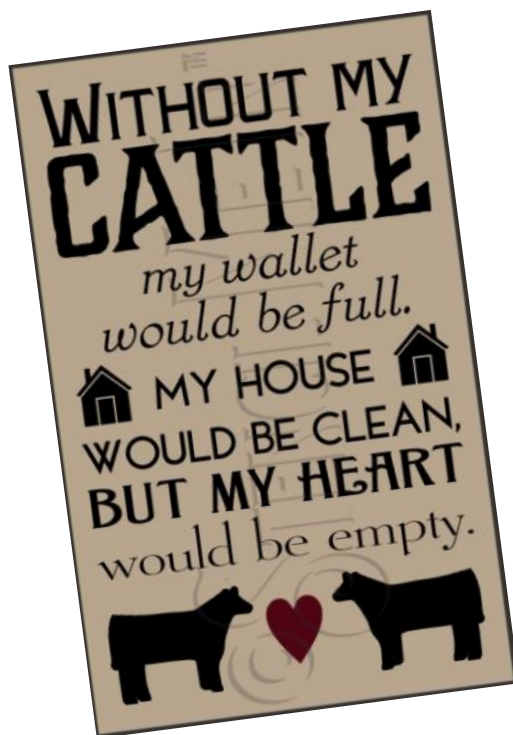
*April 2017*

813 Frosting Culled Mastitis

## HEIFERS:

*January 2017*

842 Duncan Culled Abortion



# Welcome CREAM Class of 2017-2018!

Abygail Tate	2018	Applied Animal Science	Hope Valley, RI
Alissa Scinto	2018	Animal Science	Shelton, CT
Amber McElhinney	2019	Equine Science	Aston, PA
Annmarie Ciampaglia	2018	Animal Science	Berlin, MA
Bailey Veilleux	2019	Animal Science	Lakeville, MA
Bram Robertson	2018	Integrated Agriculture	Contoocook, NH
Brianna Wason	2018	Animal Science	Sutton, MA
Corisa Quincey	2019	Biomedical Science	Denville, NJ
Elise McDonough	2018	Biomedical Science	Greenland, NH
Elizabeth Clock	2018	Applied Animal Science	Lyman, ME
Emma Faddoul	2019	Biomedical Science	Marlborough, MA
Evelyn Solis	2019	Animal Science	Waltham, MA
Felicia Ingman	2018	Biomedical Science	Winchendon, MA
Haley Osgood	2018	Animal Science	Bennington, VT
Jessica Childs	2018	Biomedical Science	Westbrook, ME
Jessie Sexton	2019	Animal Science	Plaistow, NH
Jonathan Decker	2019	Biomedical Science	Essex, MA
Kaitlyn DeChirico	2019	Biomedical Science	Long Island, NY
Kira Kenny	2018	Zoology	Bridgewater, NH
Kristina Lotz	2018	Animal Science	Exeter, NH
Kylee Wrath	2019	Biomedical Science	Toms River, NJ
Matthew Boudreau	2019	Sustainable Agriculture	St. Albans, VT
Miguel Catala	2018	Biomedical Science	Brentwood, NH
Shelby Silvia	2019	Biomedical Science	Cohasset, MA
Yianna Rhodes	2018	Animal Science	Portsmouth, NH