

Issue Ten

New and Old on the

was

North Ponil

One of Philmont's oldest

Writings

staff camps is only a short hike

established as a staff camp in the

early 1950s, while Metcalf Station

opened to Scouts in 2014. Both

cover important facets of the

Ranch's history, from prehistoric

Indian Writings has been

man to the taming of the West.

a Philmont mainstay since its

away from the Ranch's newest.

Dallas Elmore

Staff Writer

Indian



Bethany Nilson / Photographer

Philmont's Water System

Dallas Elmore Staff Writer

Philmont's water is watched over by a dedicated compliance staff that ensures the safety and sanitation of the entire supply.

Headed by the Ranch's facilities compliance manager, Dave Kenneke, 11 other full time staff members are in charge of the 32 active water systems scattered across the Ranch. These outstanding water operators are at the height of their professions, as several have earned state water operator of the year awards.

In addition to their individual accolades, Philmont's water system itself was named the New Mexico rural water system of the year.

art microfiltration, synthetic membranes, and pressure systems that force the water through the microholes," Kenneke said.

Installed in 2002, the water system certainly deserves the title. At the peak of the summer season, Philmont is one of the largest communities in the state. As such, it needs a water system that can cleanly and efficiently hydrate the entire Ranch. The system meets those goals and is years ahead of state and federal rules regarding water quality and consumption.

Base camp draws on two reservoirs for water. The first reservoir was built by Waite Phillips and is the smaller of the two, while the larger Urraca "We have state of the Reservoir was built by Philmont.

In the backcountry, water is provided by wells that are dug anywhere from 50 to a 1000 feet deep.

Philmont is also fortunate to benefit from a complicated series of riparian rights that gives it priority access to 1000 acre feet of water (an acre covered by one

foot of water) from Eagles Nest Lake, the Rayado River, and other streams in the area. Since water is the most important resource in the arid southwest, these acre feet of water are an important part of maintaining the Ranch's viability into the future.

"Everyone wants to be a good

'Scribblins', Scouts have been studying the petroglyphs left by Native American cultures in the camp for decades. The markings are left over by people from cultures dating to almost a thousand years ago. Believed to be mixture of more western pueblo culture and plains Indians, their village remains are considered some of the most important in Ponil Complex.

inception. Formerly known as

Continued on page 11

Morgan Court / Photographer

neighbor, but in times of need, we'd call in those water rights," Kenneke said.

While Philmont has retained moisture summer, the region has been in an extended drought and the Ranch has altered its water consumption accordingly.

Continued on page 3

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August 10 - August 21

Monday, II	Tuesday, I2	Wednesday, 13	Thursday, 14	Friday, 15	Saturday, 16	Monday, 18
8 p.m. Movie Night & S'mores at Baldy Pavilion	5 p.m. 5K at SSSAC	8 p.m. HvZ at Baldy Pavilion	8 p.m. Ernest Thompson Seton's Birthday - Reception & Movie at HCC	8 p.m. Tie-Dye Night at Baldy Pavilion	8 p.m. Saturday Shakes at SSSAC	8 p.m. Movie Night & S'mores at HCC

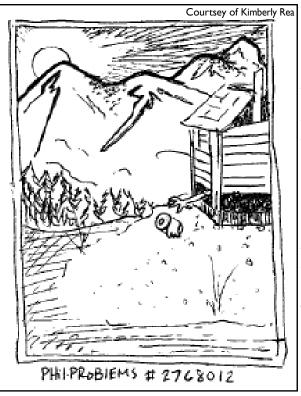


"What is really important is what you learn after thinking you know it all." --Waite Philips



Between ROCS and Trail Crew treks, Kris Miljan worked for his room and board by building a staircase at the back of Health Lodge Tent City for Ronnie. Kris completed the staircase himself, using skills and knowledge he gained through his ROCS Trek. The staircase took him approximately 12 days.

Driver / Ridder to South Caroline Ist of September (843) 466-0860



Continued From Page one, Water

Although the recent rainy weather has provided needed relief for the prairie, the wells the backcountry systems depend on are in need of a few years of heavy snowpack to recharge.

"Prior to 2010, water wells were reduced from 3 acre ft. to 1 acre ft.," Kenneke said.

The other facet of those drought is an emphasis on Scout and staff water consumption in basecamp and the backcountry. Any leaky faucet, broken toilet or shower drip should be reported to maintenance in order to assist the Ranch-wide conservation effort.

Conservation doesn't end in base either. Much of Philmont's conservation efforts in the Valle Vidal have been put towards watershed improvement, whether it be altering streamflow or repairing eroded water banks. All of these practices and more are needed to preserve a water quality suitable for Ranch operations.

"Everyone needs to act before water quits coming out of the tap," Kenneke said.



Water flowing at the Philmont Reservior.



Photographer





Morgan Court / Photographer

Deer Lake - Christine Henri / Photographer

Corrections

If any corrections are seen please notify the PhilNews Editor by emailing philmontnps@ philmontscoutranch.org or I-Camp it to News and Photo Services.

Issue Nine, Page One - Backcountry Bookends: A to V in the Valle Vidal - Photo by John Mitchell.

Bear Safety Tip of the Week

There are a variety of smellables that should be placed in the Oops bag including the food strainer, advisor coffee mugs, yum yum bag, or any last minute items. Do not leave these objects near the sump as it may induce bears into your camp site. Why invite an unwanted visitor?

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

Issue Nine Sudoku Solutions

Medium

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

Mark's Minute: Last(ing) Impressions

Mark Anderson

Director of Program, Unit 2

Every day of the summer, many last(ing) impressions are made. We greet someone and say good bye. We help someone at our work site and they leave heading to the next stop along their Philmont Journey to have yet another last(ing) impression. We see something and continue on or someone sees something and continues. Over and over this takes place in lots of different ways to each of us and to each participant and visitor to Philmont.

Behavioral research by Nobel Psychologist Daniel Kahneman, shows that our memories are very selective. In particular, no matter how extended an event, we form our view and make our evaluation based – with dramatic skew – on the "most intense moments" and the "final moments."

As I read evaluations, receive messages and letters, and talk with

participants, visitors and staff I know that every one of us have had "most intense moments" during our "One Millionth Participant" 2014 Philmont Adventure.

Take a moment and think back over the summer and reflect on your "most intense moments". I know that some of mine have been in the backcountry, some have been at CHQ and some have been at the Philmont Training Center. Watching the light bulb turn on for a conference participant at PTC is exciting. These special moments will impact others as the person returns home and puts in practice new knowledge that will affect many young people involved in the Boy Scouts of America.

Many of my "most intense moments" have involved you, the 2014 Philmont Staff. Through the emergencies of the summer (including fire, drought, rain and more rain), the day to day delivery of a world class program, being in service to your peers and your internal and external customers and enjoying time with new friends, you have demonstrated the concepts that we talked about at the first of the summer as we examined the "brand" of Philmont (the pile of rocks, the unique history of the land, Waite and Genevieve Phillips, the lasting journey of each participant and the passion displayed by each staff member.)

Now we come to the last(ing) impressions. What will they be? We certainly don't want anything to go wrong as everyone experiences the departure from their 2014 Philmont Adventure or for that fact a normal conclusion of an encounter with us during these final days. Consider those last impressions: tear them apart, tiny step by tiny step by tiny step. They must be memorable, compelling, emotional, "aggressively right" and above all "obsess on the endings!"

I hope you will insure that your last impressions are "lasting impressions" and I hope that as you enjoy last encounters with



Samantha Waidler / Photography Manager 2011

others that you will be part of their "lasting impressions". We are all leaving our unique thumb prints on this "pile of rocks."

Thank you for a great summer! I am proud of the job each of you has done throughout the summer. You've heard me say this quote from Theodore Roosevelt several times this summer, *"Far and away* the best prize that life offers is the chance to work hard at work worth doing."

Make and enjoy "lasting impressions" as your 2014 adventure here at Philmont comes to an end. I look forward to 2015 when we gather again for "the chance to work hard at work worth doing."



The Ranger Mile: Tossin' a Line A Beginner's Guide to Fly Fishing the Philmont Area

Bob Imhoff Ranger Trainer

Fly fishing offers the outdoor enthusiast an excuse to spend time alongside pristine mountain lakes, rivers, and streams. It also offers its fair share of lessons in patience. Those who decide to take up fly fishing are met with a challenge that keeps them coming back for more. Working at Philmont provides an excellent opportunity to develop as a fisherman. For those who haven't fished before, it can also serve as an ample starting ground.

Taking on fly fishing can seem like a daunting task to any newcomer. There are many factors that contribute to a fly fisherman's success, including proper gear and setup, reading water, matching fly hatches, and presenting the fly properly, to name a few.

So where does one start? The first step in becoming a fly fisherman is acquiring the appropriate gear. Two main factors to consider when choosing a fly rod are its length, and the weight of the line it's designed to carry. A fly is too light to cast on its own, so the fishing line is weighted in order to enable the cast. Line weight is classified on a numbered scale, with smaller numbers representing lighter line. Typically, the larger the fish that you're targeting, the heavier the line should be on your outfit. The reel that you buy to carry this line should be rated to carry it, and I recommend getting it strung by a professional at a fly shop.

Rod length will also be important as you start out. Short rods (6.5 to 7.5 feet) allow for deft maneuvering in heavy brush. Long rods (9.5 to 10.5 feet) allow great deals of loft for line control on large rivers. Medium-length rods (8 to 9 feet) can fish the widest variety of situations. Fly rods are designed to cast a specific range of weighted line,



so be sure to match your rod and line accordingly.

When selecting a rod, it is also important to keep in mind the kind of fishing you intend to do most often. If you plan to fish for light trout on small mountain streams (such as the Rayado River), a light outfit would be recommended, with line in the 3-5 weight range on a 7-9 foot rod. Overall, a recommended starting outfit for a beginner would be an 8-9 foot rod with 5-6 weight line. It is a versatile setup that can be used for a wide variety of water and fish types, and it is forgiving for those learning to cast. Look for a reasonably priced graphite rod for a starter, as graphite rods are light and responsive. Don't buy too cheap, however, as a poorly constructed rod will only add difficulty as you learn to cast.

Once you've acquired your rod and reel, it's time to purchase some flies. There is a wide variety of flies, designed to mimic the appearance and behavior of the insects that fish prey on. The two main categories of flies are dry flies, which rest on the surface, and wet flies, which maneuver underwater. Most beginners fish exclusively with dry flies, as they are easier to control. The use of nymphs and other wet flies typically comes with more experience. To start out, get a variety of dry fly colors and sizes. The goal is to be able to select a fly that resembles those that you see on the water. Chat up the staff at any fly shop, and they will be more than happy to offer suggestions. Flies are sized on a numerical scale, with larger numbers representing smaller flies. The size of the fly you toss out should be directly proportional to the size of the fish you are trying to snag: the larger the fish, the larger the fly. Be wary, however. Many new fishermen have been unaccomplished by throwing in large flies in hopes of landing the "big one," only to spur disinterest among more modestly-sized fish.

Once outfitted, the only way to develop as a fly fisherman is to practice. The logical place to start is to get a rod in your hand and work on your casting. It is easy to conjure up romantic images of long, graceful fly casts that land on the surface without the slightest disturbance. It is unrealistic, however, to expect that from the beginning. First, research the proper technique for fly casting. There are vast resources, both in print and online, that offer casting instruction. Go to your local park, or any place with short grass, and tie on a fly with the barb cut off or a piece of yarn. Then practice the motion of the basic forecast and back cast for an hour or so. After a few such sessions, you should feel prepared to get out there and toss your line in the water.

While working at Philmont, there are many desirable fishing locations within reach. The most notable of course, is the Rayado River, which carves its way through some of the most beautiful country on ranch. A good place to start would be Fish Camp, where the staff can help you get outfitted and can offer you advice. They know their piece of water well, and are great resources of knowledge and insight.

The Rayado also fishes well throughout the canyon towards Crags, and down to Abreu and Zastrow. Be prepared to battle foliage along the river banks, utilizing an array of roll casts and sidearm casts. A light outfit tends to perform well on the Rayado, as the trout are modestly sized for the most part.

Cito Reservoir is another spot on Ranch that is worth testing out, and is great practice for those who have not fly fished on lakes before.

Off property, there are also respectable locations to fish nearby. The Cimarron River offers top-notch brown trout fishing throughout the Cimarron Canyon, with some stocked rainbow trout as well. Be sure to check that any water you fish is public, as there are a few stretches of private water that are only accessible with a guide or a special permit.

Costilla Creek is also a notable fly fishing haven in our vicinity. Northwest of Little Costilla Peak, Costilla offers nine miles of public access in the Valle Vidal featuring Rio Grande cutthroat trout. Fly fishing is also available on the Rio Grande, Red River, and Chama River, ensuring that northern New Mexico is a great place to be for fly-minded folks. Before you go out, make sure that you are fishing public access and that you have the proper license.

It is important to realize that your greatest successes as a fly fisherman will not come early on. There will be many days where nothing seems to work, and you mustn't become disheartened. As you gain experience and knowledge, the fish will come. You will learn where fish tend to sit in creeks and rivers, how to move your fly to mimic the proper movements, and which flies work in specific situations. Fly fishing is a lesson in patience, and if you take the time to develop your skills, you will be rewarded with countless memories along the water. It is a worthwhile endeavor for any avid outdoorsman, and one that just might take hold of you for a lifetime.



John Mitchell / Photographer

Head of Dean

The first of the challenge course camps, Head of Dean sits at the start of Dean Canyon. Staff or participants can follow the canyon all the way to Dean Cow Camp. Besides the challenge events, Head of Dean offers a spectacular view of the Valle Vidal from their front porch.



Morgan Court / Photographer



Morgan Court / Photographer



Kaitlyn Chaballa / Photographer

Apache Springs

Opened in 1965, Apache Springs is in the far southwest of Philmont. Drawing on the legacy of the Apache Indians, the camp offers Native American lore and an Indian sauna. On the edge of an aspen grove, Apache Springs is beautiful camp with excellent program to match.









Kaitlyn Chaballa / Photographer

Carson Meadows

Opened as a staff camp in 2005, Carson Meadows is the most recent addition to Philmont staff camps besides Metcalf Station. Along with Seally Canyon in the Valle, Carson offers Search and Rescue. Scouts have a chance to sharpen their emergency skills while working as a team. Participants also have an excellent view of the Tooth through Stonewall Pass off of Carson's front porch.



Christine Henri / Photograph



Christine Henri / Photographer



Spanish for 'magpie', Urraca is one of Philmont's three challenge course camps. After passing through several different programs, including survival, bowhunting and astronomy, the challenge events were built in 1986. The course has remained as the camps program since and now offers an evening campfire. Using the Mesa's supposedly haunted history, the staff at Urraca treat Scouts to ghost stories and a rendition of 'Sweet Home Urraca Mesa'. Scouts also have a chance to enjoy one of the best sunrises on the ranch if they get up for the Inspiration Point hike.





Cassidy Johnson / Photographer

Kaitlyn Chaballa / Photographer





Zastrow

Named after a Russian immigrant who farmed on the area west of the Abreu homestead, Zastrow has a long Philmont history. The camp hosted Wood Badge and Training Center courses before being turned into a staff camp in 2002. The orienteering course that staff camp featured has now been turned into Philmont's first experiment with an ATV program.



Bethany Nilson / Photographer

Staff Amigo Cathy Hubbard with candy, readi

Infirmary Nurse

I am a Staff Amigo and this year, I have adopted the staff at Miner's Park. I am also a former PTC dining hall staff, former ranger, a wife, a mother of two, a Nurse, a dog lover, a good cook, and a variety of other things. I loved my years on staff, love being back at Philmont, and love being an Amigo. As at board member of the Philmont Staff Association, I am in charge of running the Amigo program and finding folks that want to participate. Sometimes it is so very easy to be an Amigo. I know what my kids like, and find things that they didn't even know they wanted. I pack a box, trying to fill every inch of space

with candy, reading material, games, interesting food, guitar strings, cat toys, and anything else that I think will make their summer even more fun. It is a labor of love and I am delighted to do it. Working with enthusiastic PSA members in the Amigo program is also easy. Their love of this special place is palpable, as is their interest in being a tiny part of the summer staff's experience.

The Staff Amigo Program was started around 10 years ago by the Philmont Staff Association as just one more way to do good things for Philmont and its staff members. A brainchild of 2 former camp directors, it was initially called the Adopt a Staff program, but switched to Amigos to avoid having to pay college tuition and sending laundry money. Some staff reading this will be quite familiar with this program while others may not, and the purpose of this article is to help current staff understand this program a little bit more. Former staffers are invited, every April, to select a staff group that they will befriend over the summer. They try to contact the staff early in the season and send out letters and packages over the course of the summer. Their goal is to connect with staff and spoil them a little bit. Amigos are urged to avoid sending things that can go ordered on a weekly commissary run or buy at the Trading Post. The intent is to let staff know that they are valued, and that we are a little jealous of your time in this beautiful land.

There are, of course, a few tricks to make things run smoothly in the summer. I try to get information out to my Amigos early in May, prior to staff arrival at camp. I give them suggestions for items that have been well received in the past, but urge them to be creative and think like a 20 year old. I give them an optional template for a letter and a questionnaire so as to learn staff preferences. I fill them in on happenings at the ranch as appropriate.

This summer, nearly all of the backcountry camps have an Amigo, though only a handful of ranger training crews and base camp staff have one. The reasons are many. It is expensive and time consuming to send boxes, and Amigos sometimes never know whether the package has been received. Some staff groups are difficult to take due to size or logistical issues.

I ask this of you: if you have an Amigo, take a few minutes to send a note of thanks back to them. If you do not have an Amigo, stop by the PSA office and talk to any of the staff about how we could better serve your staff group next summer. And finally, when that fateful day comes when Philmont is no longer in your summer plans, think about how you can give back to next year's staff by being an Amigo. Check the High Country or the Philstaff website for sign up next April. Let's keep this program going.

Rangers VS. Backcountry 2014 Softball Game Photos by Dominic Baima / Marketing Staff





"Philmont Scout Ranch? What the Heck Is That?"

Megan Shaw

Ranger

These were the exact words that ran through my mind as I walked past the recruiting booth that was set up on Brigham Young University's campus one cold winter morning in Provo, Utah. I considered pausing and asking entitled questions aloud to one of the guys behind the booth, but all it took for me to keep walking were two unattractive words. New. Mexico. No, thank you. It only took one word, however, to beckon me back only a few minutes later: Pizza. So, in a nutshell topped off with a hat that looks remarkably like Elder Wilson's, I ended up with a job and free pizza all in one night.

As I prepared myself to come out here and assume the role and responsibilities of a Ranger, I thought I had a good handle on what Philmont was: big camp, a lot of staff, fun stuff to do. I also thought I understood what being a Ranger meant: leading backpacking trips into the backcountry for six days on and two off. But, as we

all know and as I quickly came to understand, Philmont must be experienced to be understood. In experiencing it, I soon realized that I had it all wrong - in more than just the job description. Philmont is so much more. After overcoming the culture shock of a camp and staff larger than my previous experience had me familiar with, I soon realized the responsibility I had to this place: to preserve its legacy and respect the place in so many people's hearts. At first, I couldn't quite understand it, the reason why people love this place so much. Sure, it was beautiful with many trees, mountains, rivers, wildlife, and more. Yes, it offered lots of fun: shooting, climbing, biking, mining, music, horses, fishing, and more. Still, why does it matter so much? What is the big deal? What makes Philmont God's Country?

While I dare not claim to have the full picture, I think I have a part of it. It's the people. From the staff to the crews, Philmont is for all kinds of people. We each have a different set of life experiences, thoughts, likes, and dislikes. When we all come together, to learn from and serve one another, then these mountains take on a different kind of beauty. When a crew overcomes a mountain together, they create a bond between each other. When we as a staff overcome the summer together, we too create a similar bond. Philmont creates in us a sublime realization of not only how small we are, but also how fundamentally important each of our roles are in relation to everyone around us. We see that, whether it be crew or staff, we are just parts of a whole. Yet, without those individual parts, there would be no whole. We learn to adapt, sacrifice, help, and love one another in order to complete a work that is greater than our individual, collective, selves. That is indeed a work worth doing; to bring people together, to make meaningful connections that change us and others for the better. That is what Philmont is about. That is why people love Philmont. That is what makes Philmont God's Country.



Kaitlyn Chaballa / Photographer





PO Box 511 129 East 12th Street Cimarron, NM 87714 (575)-376-9128

Mercantile Outfitter

Shirley Dale

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Philmont Museum Bike Giveaway

To register, fill out a form with your name, email and zip code at the Philmont Museum



Drawing will be Nov., 10, 2014 Winner will be notified by email

Continued From Page one, Ponil



Morgan Court / Photographer

In order to better understand these ancient people, the Ranch started an archeological process at Indian Writings in the 1950s that continues to this day. Staff have carefully stripped away the upper surface on several structures dating to around 1000 A.D., found hundreds of artifacts catalogued evidence and several cultural styles. of Discovering these remains is a careful and complex process

"Excavation is a destructive process," said Matt Wynn, the archaeologist at Indian Writings. "But we dig carefully hoping to find things as people left them."

Many Scouts find themselves draw into the dig process. Each group that works on the project gets 45 minutes worth of excavation instruction and background on the cultures they are helping to uncover. Fifteen to 20 minutes is then dedicated to working on the site, although some groups find ways to have more time.

"Several crews have been very enthusiastic and show a lot of interest, and ask if they can keep doing this," Wynn said.

Besides dig site, the Indian Writings has several other programs. The most popular is atlatl throwing. This ancient projectile device defies conventional throwing technique, requiring new muscles and new thinking. Despite the oddity, ancient hunters used these weapons to kill mammoths. Nonetheless, Scouts enjoy 'hunting' the target

animals on the throwing range.

"It was really difficult, but it was fun," said Zachary Denoyer, from crew 726-M out of Ann Arbor, MI.

Scouts can also participate in a petroglyph tour or wrap up their day with a sunset hike atop the ridgeline of the staff canyon. Managing so many programs would be difficult if the staff at Indian Writings didn't have the benefit of five returning staff members. Even the two who hadn't worked at the camp before are pursuing degrees in archaeology.

"History is something everyone here is passionate about," said Katie Peterson, the camp director of Indian Writings.

A passion for history is evident just down the trail at Philmont's newest staff camp, Metcalf Station.

In development for several years, Metcalf finally opened this summer. Built on the location of Old Camp, Metcalf is dedicated to celebrating the history of railroading not only in the Cimarron area but the entire Old West.

Metcalf Station itself is positioned along the old Cimarron and Northwestern Railway. Founded by Theodore Schomberg in the early 1900s, it was a railroad built for transporting logging products out of Ponil Canyon. Staff members interpret what daily life for a railroad crew would have been like. Once Scouts arrive at Metcalf, they can opt to explore the railroad office or begin their careers as 'Gandy-Dancers', or inexperienced railroad builders. The rail office is a small museum of sorts that contains railroad memorabilia from the Cimarron and Northwestern and other railways. In addition to the artifacts, the rail office also features a telegraph machine so that Scouts can practice sending morse code messages to each other.

"Metcalf is one of the few places Scouts will be able to use Morse Code in their lives," said Nathan Ford, the camp director of Metcalf Station.

Once Scouts are sent over to the rail line, they are taught every aspect of rail construction. They set the line, add cross ties, and lay track. Their experience is as true to the original process as possible, with one notable exception.

"Safety is always our number one," Ford said.

The 1800's railroaders did not have the safety concerns that today's laborers have, and Scouts are required to wear hard hats, gloves, eye protection, and steel toe boots at all times.

After a long day of railroad work, the staff at Metcalf gather Scouts for an eight o'clock evening campfire. Besides enjoying songs and the staff bantering, Scouts have a chance to discover some of the rich railroad lore of the 1800s. Staff tell stories about the great driller John Henry, who raced a steel drill and won, or engineer Casey Jones, who saved two trainloads of people but couldn't save himself. The staff at Metcalf even share a few songs of their own creation.

The best part of Metcalf isn't necessarily the show or the telegraph or laying down the track. For staff and participants alike, Metcalf is a place to leave your mark on the Philmont story.

"We are creating a legacy for the next million campers," said program counselor Weston Mate.



Morgan Court / Photographer



Morgan Court / Photographer



Bethany Nilson / Photographer



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Tim Crofton

Casey Dean Wardrobe Specialist

I had the honor of meeting Tim Crofton who is in charge of the Interpretive/Living History backcountry programs here at Philmont. Tim has a variety of previous experiences, including being involved with Captain James Cook and Judge Begbie "The Hanging Judge" at the BC Maritime Museum of British Columbia; John Helmcken, 1850s School Days, and Craigflower House (Victoria Rediscovery); the consultant and presenter for BC Provincial Parks; New Mexico Volunteers and Candlelight Tours in Fort Union, New Mexico.

Tim worked at a YMCA camp on Vancouver Island when he first came to North America. Tim says, "It was a transformational experience for me as I went on the exchange as a student of Business and left knowing all I wanted to do was to work with young people." Since then, he has dedicated his career



to theatre with every opportunity to work with young people.

On July 21st, Philmont invited Tim to lead a workshop involving identifying the elements in good storytelling which is a big part of our interpretive backcountry camps. The interpreter must hold the audience's attention while using both verbal and nonverbal communication skills in telling the story.

"As actors and interpreters,

we are in the business of communicating with our audience and telling stories."

With Tim's love for theatre and working with young people, he has truly enjoyed working for Philmont. Working for the interpretation programs at Philmont brought out all his skills and experiences.

"It has been an incredible privilege working at Philmont, and I hope I can contribute to the interpretation program forever!"



Christine Henri / Photographer



Philmont Museum - Seton Memorial Library

Exhibits include Partners on the Ponil, Philturn Rockymountain Scoutcamp and Selected Works of E.T. Seton. The Seton Memorial Library houses the personal library and artwork of Ernest Thompson Seton. Native American jewelry, art, collectibles and one of the largest book selections in the county can be found in the Museum Gift Shop. **Open Daily 8—5:30**

> The Kit Carson Museum at Rayado Open Daily 8—5, June—August

> > Chase Ranch Call for tour information.



<u>Villa Philmonte</u> - Reservations Required * Tours Daily. Every half hour beginning at 8a.m. Call for reservations.

For more information and to schedule a Villa or Chase Ranch House tour, please stop by the Philmont Museum or call 575-376-1136. * Reservations are required.



Dallas On Days Off: Oklahoma

Dallas Elmore Staff Writer

Philmont staff headed back home for the start of school or real life will have a fantastic opportunity to explore an area dear to Dallas's heart: his home state of Oklahoma.

Only three hours away by car, some staffers headed back home will pass through Clayton, NM before hopping onto highway 412 and the pleasant nothingness of the Oklahoma Panhandle. On this bustling byway, staff can see all three states at once. To your left will be Kansas, the right Texas, and immediately in front, Oklahoma.

Be sure to make a stop at Black Mesa State Park, the site of the highest point in Oklahoma, and the former Beaver Lakes State Park. Beaver Lakes is now maintained by the town of Beaver. The park has large sand dunes for impromptu beach picnic as well as bass fishing in the nearby pond.

After making your way through the Panhandle, highways begin splitting off towards Tulsa and Oklahoma City. Oklahoma

City is the state's capital, while Tulsa is Oklahoma's artistic and cultural soul. Tulsa, besides claiming Waite Phillips palatial Philbrook as its premier museum, also hosts the Gilcrease Museum of Western Art, the Philcade Tower, the fabulous Mayo Hotel, and the Oklahoma Jazz Hall of Fame. Visitors can wander around the Brady District, the Blue Dome, or Brookside, all within a few minutes of each other. Oklahoma City has the National Cowboy Hall of Fame, the 45th Infantry division museum and the A.S.A. National Softball Complex. An evening spent along the Bricktown canal is relaxing and those who visit can choose from their choice of restaurants.

While on your trip, don't forget to pull over sometime in a small town and check out the gems like Turner Falls State Park in Davis, or floating the Buffalo River just outside of Tahlequah, or Pops, a soda shop in Arcadia. Everywhere you turn, Oklahoma has the history, culture and surprising natural beauty to make you want to stop.

STEM Brought to You by the Infirmary

What Does 1/2 Strength Gatorade Really Do?

Logan Fritz

Infirmary Staff

Life in the human body occurs within a narrow and fragile window of parameters. If those parameters are upset, normal functions will not take place, and other harmful reactions will occur, causing illness and eventually death. Two of the most vital of these parameters are the body's balances of water and electrolytes.

Water is used in every body system—for temperature regulation through sweating, for removing poisons from the body through urination, and for transporting nutrients, oxygen and wastes as the main component in blood. It is also critical as part of a myriad of chemical reactions in the body. Without enough water, the body is affected at every level, from major organ systems all the way down to each individual cell.

Electrolytes are substances that break up into differently charged particles when dissolved, forming electrical conductors. The sodium chloride and potassium phosphate in Gatorade are examples of this. Sodium chloride breaks up into sodium, which is positively charged, and chloride, which is negatively charged, while potassium phosphate breaks up similarly. All electrical activity in the body—every heartbeat, every thought, every sensation—is made by the movements of these and other charged particles across cell membranes in the body. So, electrolytes are the basis for the very actions that make us alive.

At Philmont, exercise, heat, vomiting, diarrhea, and many other factors can lead to an upset of fluid and electrolyte balances. The Philmont Infirmary prescribes sports drinks to replace both water and electrolytes, restoring proper balance. We recommend ¹/₂ strength because the heavy sugar content in many such drinks can easily upset a stomach, leading to vomiting and further exacerbation of the patient's condition.



Russen's Sundries

"For all the little things you forgot to pack."

31083 Highway 64 Cimarron, NM 87714 575-376-2502

Monday - Saturday 9 a.m.-7 p.m. Sunday 10 a.m.-5 p.m.

Chaplain's Corner Meet the Chaplains

Father Gray Catholic Chaplain

Hello, my name is Father Matthew Gray. I am the Catholic Scout Chaplain for the Diocese of Charleston, SC and I am thankful to have been assigned to Philmont as a Chaplain for the remaining of the summer.

I was ordained a Priest three years ago and have enjoyed every minute of it! I never know what to expect as each day presents new opportunities to minister to God's people. Yet while I love my Faith, I was not always Catholic and certainly not always a "man of God".

I was raised Presbyterian but my family never really practiced our faith except on Christmas and Easter. So, it was not until my college years that I began to seriously consider being more faithful.

In 2001 I was accepted as a

Carolina where I wanted to major in International Business. During my first semester, I made some poor choices that almost lead to my dismissal from the University! Luckily the dean was merciful and gave me a second chance. This was a huge wake-up call that caused me to be more serious about my faith. For six months, I began to attend church services at nearly every denomination on campus except Catholicism. Finally I decided one Sunday to go to my first Mass and it was there that I fell in love with Jesus in the Roman Catholic Church. I went through inquiry classes then moved on to RCIA and was confirmed on the feast of Christ the King, November 27th 2002. Thankfully my family was completely supportive of my decision to become Catholic.

student at the University of South

After several very busy years

.

Cimarron West

volunteering in the Church and much prayer and discernment, I decided that I wanted to become a priest. With my family's blessing, I applied to the dioceses of Charleston and was accepted. I entered seminary in the fall of 2005 at the Pontifical College Josephinum and, while there, I earned a Bachelor's of Philosophy in 2007. In 2008 I continued my studies at Mount Saint Mary's Seminary and in 2011 graduated with Master's of Divinity and Systematic Theology.

I love being a Priest and am thankful to God for having brought me to where I am today. I am looking forward to being a Chaplain here at Philmont as we have a wonderful Chaplain Staff that is eager to be of assistance however possible. Please feel free to come up to me and say hello and if there is anything I can do for you please let me know!



Father Gray, Catholic Chaplain

Boots,

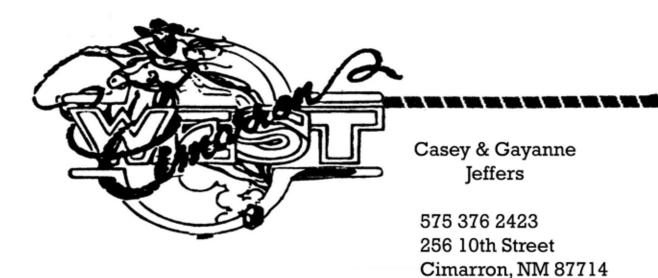
Moccasins

Western Wear,

& Hand-made Belts

Cassidy Johnson / Photographer

Straw Hats **Bowler Hats** Western Hats **Outback Hats** Leather Hats **Bull Whips!**



seven parts of the program:

1. Become personally fit.

2. Eat a nutritious diet.

PSA Seasonal Staff Scholarship

The Philmont Staff Association Seasonal Staff Scholarship program has steadily grown over the past seven years.

More dollars for college expenses have been awarded each year, and more Philstaff have submitted applications for these funds.

Both trends continued last summer. 120 summer staff applied for the PSA Seasonal Staff Scholarships in 2013. Thanks to our members' generosity, the PSA awarded a total of \$45,000 to 46 recipients last year.

The Philmont Staff Association is working hard to make 2014 an even bigger year for the Seasonal Staff Scholarship program. There will be more funds available for you to use for school expenses. However, you need to apply.

Forms are available around the Ranch, including the Silver Sage Staff Activity Center and the PSA office. Scholarship awards of \$500 for 1st year staff, \$1,000 for 2nd year staff, and \$1,500 for 3rd year staff will be made for the Fall of 2014 – Spring of 2015 academic year.

Payment of the scholarship will be distributed directly to the school. Applications are due August 31, 2014.

Over the past five years, \$150,000 was been awarded to Philstaff. First-year staff to seasoned veterans, Wranglers to PTC staff to Rangers, freshmen to graduate school students, the Philmont staff has been well represented amongst the scholarship winners.

All college and postsecondary education students are encouraged to apply this year.

. Exercise.	
. Be tobacco free and not smoke or use smokeless products.	
. Live free of drug and alcohol habits.	
. Learn the seven cancer danger signs.	
. Live the Scout Oath and Law	

Trail of Courage

Philmont Scout Ranch has been asked and agreed to launch the Trail of Courage Program. Over the next few years, it will be rolled out to all parts of the Boy Scouts of America including other high adventure bases, summer camps and Boys' Life Magazine. I encourage you to join me by participating in the Trail of Courage-right Decisions/Right Now-Be Tobacco

What is the program? The program allows conversation to take place with each crew. These conversation focus on the

Free. Teenage smoking dropped from 36.4% in 1997 to 21.9% in 2003. However, each year since 2003 the percentage of teenage smoker continues to rise! This is a startling fact, since we know the danger and risk of smoking to our health.

Who Leads the Conversations? Each Ranger is asked to coach the Crew Leader to guide conversations during the crew's trek that focus on each of the seven parts of the program.

On the last night of the trek, the Crew Leader will encourage the crew to take the pledge and commit to the seven parts of the program.

The recognition for making the pledge and participating in the program includes a Trail of Courage patch and Boys' Life Personal Pledge Card. These items are available to the crew free of charge at the Safekeeping Counter in Camping Headquarters.

Can Staff Participate? Yes! Each member of the Philmont Staff is asked to participate in the Trail of Courage program. **Step 1:** Review the material in the Trail of Courage-Right Decisions/Right Now-Be Tobacco Free brochure. You may wish to discuss the program with your friends and your department.

Step 2: Make personal commitment to pledge to work on achieving each of the seven part so the program. **Step 3:** Complete the Staff Pledge Card and turn it in at the Personnel Counter at the CHQ Office.

Each staff member who participate will receive the Trail of Courage patch and the Boys' Life Personal Pledge Card.

Trail of Courage -Right Decision/ Right Now-Be Tobacco Free Pledge

"I pledge to become personally fit, eat a nutritious diet, exercise, be tobacco free, live free of drug and alcohol habits, learn the seven cancer danger signs and live the Scout Oath and Law."

Printed Name

Connect to Past,

PRESENT,^{*l*}

Department _

Date

Signature_



and future Philmont staff with the...

PHILMONT STAFF ASSOCIATION

Look forward to:

High Country magazine, year-round events, PSA water bottles and other items, books about Philmont history and lore, Seasonal Staff Scholarships, and more!!!

It's just \$15.00 for a year's membership!

I-Camp this form to the PSA or stop by our office next to the Beaubien Room at PTC.

SIGN UP NOW!!! www.philstaff.com

Name:	Position/Dept.:
Mailing Address:	City, State, ZIP:
Birthday:	Email:
Signature:	MARK HERE FOR PAYROLL DEDUCTION (through July 31):

Dominic Baima / Marketing Staff

Ask the Staff

Dominic Baima Marketing Staff



Dominic Baima / Marketing Staff

Zach Brand, Assistant Camp Director at Clarks Fork

"My favorite part of working at Philmont this summer was doing our campfire show because "My favorite part of the summer was being able to teach the outdoor skills over an extended we have incredible musicians and a lot of energy and it is always fun to see the scouts really get into it."



Jacob Passmore, Mountain Trek Ranger

period of time on my mountain trek experiences because it gave me a unique opportunity to interact with participants."



Andrea Winston, Silverados Coordinator

"My favorite thing about working at Philmont this summer has been meeting all of the new "My favorite thing this year has been meeting people from all over the world because it is people who come in for the training sessions each week."

Cairrean May, Trading Post Clerk fun. It's fun to meet new people and ask about their culture and learn new stuff."

US/Canada News

Police 'chokehold' caused New York death

BBC

Spokeswoman Julie Bolcer said Eric Garner's death last month, which caused an outcry, had been ruled a homicide.

Mr. Garner was arrested for selling untaxed, loose cigarettes and during his struggle with police officers he is heard saying he could not breathe.

The incident was filmed and in the video, one officer appeared to have his arm around Mr. Garner's neck.

Ms. Bolcer said his death was caused by "the compression of his chest and prone positioning during physical restraint by police", but there were other factors too, such as asthma and heart disease.

New York Mayor Bill de Blasio said: "On behalf of all New Yorkers, I extend my deepest sympathies to the family of Eric Garner, on this day we have received the medical examiner's findings concerning the cause of his death." Barack Obama: 'Full confidence' in CIA director

BBC

His comments come as the Senate prepares to release a report on the CIA's interrogation programme.

"We tortured some folks," Mr. Obama said. "We did some things that were contrary to our values."

He said Mr. Brennan had his "full confidence" despite admitting the agency had searched Senate computers during the investigation.

Mr. Obama has previously said the methods used by the CIA on al-Qaeda prisoners at secret "black sites" outside the US amounted to torture.

In April 2009, he said that he "believed that waterboarding was torture and, whatever legal rationales were used, it was a mistake". House Republicans offer a revised border bill

BBC

The revised legislation is worth \$694m, which falls well short of the \$3.7bn asked for by President Barack Obama.

President Obama was scathing in his criticism, describing the Republican proposal as "extreme" and "unworkable".

But even if the bill is passed, it will not go before the Senate, which is now in recess until September.

The Senate was also unable to get a bill through, leaving what many have described as a national crisis unaddressed over the summer months.

The border bills are aimed at handling 57,000 Central American children who have flooded over the border since October. US economy adds 209,000 jobs in July

BBC

The unemployment rate ticked up slightly to 6.2%, latest data from the Bureau of Labor Statistics has shown.

The biggest job gains were in professional business services and manufacturing jobs.

On Wednesday, the Commerce Department said the US economy grew by a better-than-expected 4% during the April-to-June period.

In an encouraging sign, the number of people in the US labour market increased slightly, meaning that workers who may have given up looking for a job have now begun to reenter the jobs market.

The May and June jobs data were also revised upwards to show that the US economy added 15,000 more jobs.

Some economists had been expecting even larger figures, and US stock markets were down on the less-than-expected gains. Eric Holder: Police should carry drugs antidote

BBC

US Attorney General Eric Holder has urged federal law enforcement agencies to equip some of their officers with the heroin overdose antidote naloxone.

Mr. Holder called the increase in overdose deaths "nothing less than a public health crisis".

Some state and local law enforcement groups, including the New York Police Department, already require officers to carry the drug while on patrol.

Naloxone works by reversing the effects of opioid drugs for about 30 minutes.

The delay gives emergency medical workers enough time to reach an overdose victim.

Twenty-five states have approved the use of the drug either as an inhalant or an injection.

Argentina default: Judge Griesa urges new negotiations

BBC

Negotiations between Argentina and its creditors should be resumed urgently, US judge Thomas Griesa has said.

Investors holding Argentine bonds and lawyers for the government attended a hearing in New York for the first time since Argentina defied an order to pay.

"Nothing that has happened this week has removed the necessity of working out a settlement," the judge said.

The bond-holders, which Argentina calls "vulture funds," are demanding a full payout of \$1.3bn (£766m).

The bonds were bought by hedge funds NML and Aurelius Capital Management for a fraction of their face value in the aftermath of Argentina's economic collapse in 2001. British embassy in Libya to 'suspend operations'

BBC

The UK is to temporarily close its embassy in the Libyan capital, Tripoli, because of worsening violence.

The Foreign Office, which has urged Britons to leave the country immediately, said consular assistance would not be available from Monday.

Ambassador Michael Aron described the situation as "very sad" and said staff would return to the embassy "as soon as security allows".

Arrangements are being made to help British nationals leave Libya.

The country has been gripped by instability and a power struggle among rival groups since the overthrow of former leader Colonel Muammar Gaddafi in 2011.

More than 200 people have been killed in Tripoli and the eastern city of Benghazi in the past two weeks. Ebola crisis: Virus spreading too fast, says WHO

World News

BBC

The Ebola outbreak in West Africa is spreading faster than efforts to control it, World Health Organization (WHO) head Margaret Chan has said.

She told a summit of regional leaders that failure to contain Ebola could be "catastrophic" in terms of lives lost.

But she said the virus, which has claimed 728 lives in Guinea, Liberia and Sierra Leone since February, could be stopped if well managed.

Ebola kills up to 90% of those infected.

It spreads by contact with infected blood, bodily fluids, organs - or contaminated environments. Patients have a better chance of survival if they receive early treatment. Two Americans held in North Korea plead for help from US

BBC

Two American tourists charged with "anti-state" crimes in North Korea have pleaded for the US government to help secure their release.

They were detained separately in April but both were accused of "committing hostile acts" while in the country.

Mr. Fowle, 56, entered North Korea on 29 April and was detained in early June as he was leaving the country.

He is said to have left a bible in the toilet of a restaurant in the northern port city of Chongjin but his family have insisted that he was not on a mission for his church.

North Korean authorities say Mr. Miller, 24, entered the country on 10 April with a tourist visa but tore it up at the airport and shouted that he wanted to seek asylum.

Gaza crisis: Israel 'unlikely to go to talks in Egypt'

BBC

Israel is unlikely to send a delegation to truce talks in Cairo as it presses on with its offensive in Gaza, reports quoting senior officials say.

The officials say Israel will finish destroying tunnels used by Palestinian militants and consider a unilateral withdrawal from Gaza.

The Israeli military said Israel was already close to its objective.

Egypt was set to host talks. President Abdul Fattah al-Sisi said its truce plan was a chance to end bloodshed.

Exchanges are continuing in Gaza, as Israel continues to hunt for a soldier, Hadar Goldin, who went missing on Friday.

Entertainment

Silent film tops documentary poll

BBC

A 1929 silent film has been voted the greatest ever documentary in a poll of some 300 film-makers and critics.

Man with a Movie Camera, directed by Dziga Vertov, was picked by more than 100 cineastes who took part in the inaugural Sight & Sound poll.

The magazine launched the survey after Vertov's film, shot in the cities of Odessa, Kiev and Kharkiv, came eighth in their 2012 best film poll.

The magazine called it a "teasingly surrealist" homage to city life.

The British Film Institute magazine conducts a poll every decade to find the best film. When the most recent poll was conducted in 2012, Alfred Hitchcock's Vertigo took the top spot.

Veteran graffiti artist King Robbo dies aged 45

BBC

Graffiti artist King Robbo, who rose to prominence in London in the 1980s and notoriously feuded with fellow artist Banksy, has died.

The 45-year-old had been in a vegetative state since 2011 when he was found at the bottom of a flight of stairs with a head injury.

His team paid tribute to him after he died on Thursday, claiming he "changed the art world forever".

Robbo's tit-for-tat feud with Bansky was the subject of a TV documentary.

On Robbo's website, his team wrote: "Peace and respect to Robbo's close family and friends... the Crew of Team Robbo and WRH and all his many fans and supporters around the world.

Sekhemka statue: Northampton Museum loses Art Council accreditation

BBC

Two museums have lost their accreditation status after the controversial sale of a 4,000-year-old Egyptian statue to a private collector.

Northampton Borough Council sold the Sekhemka limestone statue for nearly £16m at auction to help fund an extension to the town's museum.

Arts Council England ruled the sale breached the accredited standards for how museums manage their collections. The council is now ineligible for a

range of arts grants and funding.

Scott Furlong, from the Arts Council, said: "It is always hugely regrettable when we have to exclude a museum from the Accreditation Scheme.

"However, it is equally important that we are robust in upholding the standards and principles which underpin the scheme and are shared by the vast majority of museums."

Sports

'Lost' Dr Seuss stories to be published

BBC

A collection of stories by children's author Dr. Seuss are to be published 60 years after last being seen.

The four obscure stories include early incarnations of favourites The Grinch and Horton, which will come out in a picture book for the first time.

They were originally printed in a 1950s US magazine, which was often discarded when the next monthly issue came out.

The new compilation of four stories, called Horton and the Kwuggerbug and More Lost Stories, shows the helpful, friendly elephant of the title duped into carrying an insect for the promise of a tasty beezlenut tree - which turns out to be out of reach.

The book will enable fans to "learn more about Horton's integrity and a devious Grinch," they added.

Siegfried Sassoon's war diaries published online

BBC

The diaries of war poet Siegfried Sassoon are being published online for the first time.

The archive of 23 journals and two notebooks of poetry has been digitised by the Cambridge University Library, which bought the collection in 2009.

Until now only Sassoon's official biographer - Max Egremont - has had access to the complete 4,100-page archive due to its fragile state.

Librarian Anne Jarvis said the war diaries were of "towering importance".

The journals, which are made freely available online from Friday, offer a unique insight into life on the front line during World War One.

Pacers' George has surgery on | Amoricon | ooguc broken leg

AP

LAS VEGAS (AP) -- Indian Pacers All-Star Paul George h undergone successful surgery of his broken right leg and is expected to remain in the hospital for abo three days.

The 6-foot-9 George had operation at Sunrise Hospital repair the open tibia-fibula fractu USA Basketball said in a stateme early Saturday morning. Dr. Dav Silverberg, Dr. Joseph Yu and US Basketball team physician Rile Williams, were present for the surgery, the release said.

49ers' Dorsey tears left biceps muscle

AP

San Francisco 49ers nose tackle Glenn Dorsey has a torn left biceps muscle and will

	Americar	n League		
	AL East	W	L	GB
	Baltimore	61	47	-
	NY Yankees	55	53	6
ana	Toronto	60	51	2.5
has	Boston	49	60	12.5
on	Tampa Bay	53	56	8.5
ted	AL Central			
out	Detroit	59	47	-
	Cleveland	54	55	6.5
an	Kansas City	56	52	4
to	Chicago Sox	54	56	7
ıre,	Minnesota	48	60	12
ent	AL West			
vid	Oakland	66	42	-
SA	LA Angels	65	43	1
iley	Seattle	56	53	10.5
the	Houston	45	65	22
	Texas	43	66	23.5
-ne	undergo surger	v a person with	and would	need on oneration

undergo surgery, a person with knowledge of the injury said Saturday.

It's unclear how long he might be sidelined. Dorsey left Friday's practice with the injury. The source said Saturday that Dorsey had torn his biceps and would need an operation, speaking on condition of anonymity because the team had not announced anything about Dorsey's injury or the severity.

More tests and details are expected post-surgery, the source said.

National League

East	W	L	GB	
Washington	58	49	-	
Atlanta	58	52	1.5	
NY Mets	52	57	7	
Miami	53	56	6	
Philadelphia	49	61	10.5	
Central				
St. Louis	57	51	3	
Milwaukee	61	49	-	
Pittsburgh	58	51	2.5	
Cincinnati	55	54	5.5	
Chicago Cubs	46	62	14	
West				
San Francisco	59	50	2.5	
LA Dodgers	62	48	-	
San Diego	49	60	12.5	
Arizona	48	62	14	
Colorado	44	65	17.5	

Dodgers' Dan Haren hit hard in 8-2 loss to Cubs

AP

Dan Haren drove to the ballpark believing it was going to be a good night.

Instead, it was another

nightmare for the pitcher mired in the worst slump of his 12-year career.

Haren dropped his fifth consecutive start in an 8-2 loss to the Chicago Cubs that ended the first-place Dodgers' six-game winning streak.

Technology

Wearable users tracked with Raspberry Pi

BBC

People who use wearable gadgets to monitor their health or activity can be tracked with only \$70 (£40) of hardware, research suggests.

The work, carried out by security firm Symantec, used a Raspberry Pi computer to grab data broadcast by the gadgets.

The snooping Pi was taken to parks and sporting events where it was able to pick out individuals in the crowds.

Symantec said makers of wearables need to do a better job of protecting privacy and handling data they gather.

The research team used a barebones Raspberry Pi computer to which they added a Bluetooth radio module to help sniff for signals. At no time did the device try to connect to any wearable. Rather, it just scooped up data being broadcast from gadgets close by.

Russia enacts 'draconian' law for bloggers and online media

BBC

imposing А new law restrictions on users of social media has come into effect in Russia.

It means bloggers with more than 3,000 daily readers must register with the mass media regulator, Roskomnadzor, and conform to the regulations that govern the country's larger media outlets.

Internet companies will also be required to allow Russian authorities access to users information.

One human rights group called the move "draconian".

The law was approved by Russia's upper house of parliament in April.

It includes measures to ensure that bloggers cannot remain anonymous, and states that social networks must maintain six months of data on its users.

Israeli Iron Dome firms 'infiltrated by Chinese hackers'

BBC

The BBC has seen evidence appears to confirm that hackers stole several secret military documents from two Israeli government-owned companies that developed the Iron Dome missile defence system.

The breaches were first publicised by security blogger Brian Krebs on Monday.

The companies denied their classified networks had been infiltrated.

However, the team that discovered the incidents has given the BBC access to an intelligence report, which indicates hundreds of files were indeed copied.

Cyber Engineering Services (CyberESI) tracked the activities of the hackers over eight months between 2011 and 2012.

forefront of this mission. Today it unveils a clever plan

BBC

to get millions of people in Zambia online. It is without doubt a laudable philanthropic mission - but in the long run it could also be hugely important to Facebook's growth.

Facebook expands Africa push

It's the new frontier for the

internet - connecting billions of

people in Africa and Asia who

have yet to sample the delights

of the digital world. Through

an organization called Internet.

org, Facebook has put itself at the

As Guy Rosen of Internet. org explained to me over a video link from Facebook's Menlo Park headquarters, 85% of those people who aren't connected to the internet are in places with mobile phone coverage. There are two reasons why, despite the widespread use of mobile phones, they have not tried the internet - affordability and awareness.

OKCupid experiments with 'bad' dating matches

BBC

Dating website OKCupid has revealed that it experimented on its users, including putting the "wrong" people together to see if they would connect.

It revealed the tests after uproar over Facebook the manipulating the feeds of its users.

"If you use the internet, you're the subject of hundreds of experiments at any given time, on every site," it said. "That's how websites work."

Experiments suggested that "when we tell people they are a good match, they act as if they are, even when they should be wrong for each other." The company later revealed the correct scores to the participants.

The research was conducted on 689,000 Facebook users over a period of one week in 2012.

Australian couple abandon surrogate Down's Syndrome baby

BBC

A campaign for a baby with Down's Syndrome left with his surrogate Thai mother by an Australian couple has raised over \$120,000 (£70,000).

The six-month-old boy, named Gammy, also has a congenital heart condition and needs urgent medical treatment.

Pattaramon Chanbua was left to care for him after his Australian parents only wanted his healthy twin sister.

She was paid \$15,000 (£9,000) to be a surrogate for the couple, whose identities remain unknown.

Mrs. Pattaramon was told of the child's condition four months after becoming pregnant and the couple asked her to have an abortion but she refused, saying it was against her Buddhist beliefs.

BMJ 'right' in statins claims row

BBC

An investigation has backed the British Medical Journal's handling of two controversial and inaccurate articles it published on the harms of cholesterol-reducing statins.

Both claimed that 20% of users would suffer harmful side effects.

The journal withdrew the claim, but refused calls for a full retraction.

Yet prominent academics have criticised the investigation, saying the articles still damage confidence in statins and are continuing to demand a retraction.

Statins lower levels of cholesterol in the blood to reduce the odds of a heart attack or stroke. The harms and benefits of the drugs became a hugely controversial area of medicine in the run-up to a massive expansion in prescribing in July.

HIV drugs 'boost South African life expectancy'

Health

BBC

Life expectancy in South Africa has increased dramatically over the last decade, mainly thanks to life-saving Aids drugs, a government report says.

South Africans are living on average up to 61.2 years compared to 52.2 years nearly 10 years ago, the figures show.

"The life expectancy is expected to keep improving because of improving medical science methods," the head of the national statistics agency said.

South Africa runs the world's largest anti-retroviral (ARV) drugs programme.

The country's population now stands at a little more than 54 million, Statistics South Africa said in its annual demographics report.

"For 2014, life expectancy at birth is estimated at 59.1 years for males and 63.1 years for females," it said.

DNA project 'to make UK world genetic research leader'

BBC

project aiming А to medicine by is under way in centres across

Prime Minister David Cameron has said it "will see the UK lead the world in genetic research within years".

The first genetic codes

Just one human genome

This four-year project which will look at 100,000 genomes is Ebola crisis: Infected US aid workers to be evacuated

BBC

Efforts are under way to evacuate two American aid workers infected with the deadly Ebola virus from Liberia, their organisation has said.

Dr. Kent Brantly and Nancy Writebol are in a serious condition, Samaritan's Purse said.

US health officials have confirmed an Atlanta hospital is preparing to admit at least one of the two.

The worst outbreak of Ebola in history has swept through four countries in West Africa, killing 729 people.

The patients will be flown to the US in the next few days for treatment at a high-security ward at Emory University Hospital, officials said.

US media have reported a second Ebola patient will be flown to the United States, but it is unclear if he or she will be at the same hospital.

revolutionize unlocking the secrets of DNA

of people with cancer or rare diseases, out of a target of 100,000, have been sequenced.

Experts believe it will lead to targeted therapies and could make chemotherapy "a thing of the past".

contains more than three billion base pairs - the building blocks of DNA.

being run by Genomics England,.

England.

Environment/Science

Mars 2020 rover will pave the way for future manned missions

BBC

Nasa's next Martian rover will attempt to make oxygen on the surface of the red planet when it lands there in 2021.

The rover will carry seven scientific projects, aimed at paving the way for future manned missions, seeking evidence of life and storing samples to be brought back in the future.

Among them is a device for turning the CO2 that dominates the thin Martian air into oxygen.

This could support human life or make rocket fuel for return missions.

The rover will also carry two cameras and an experimental weather station among its 88lb (40kg) of instruments.

Minister Norman Baker wants end to UK animal tests

BBC

The minister in charge of regulating animal experiments in the UK has said he wants to see an end to all testing.

Lib Dem MP Norman Baker - a longstanding anti-vivisection campaigner - said a ban on animal testing "would not happen tomorrow".

But he claimed the government was moving in the right direction.

The coalition is committed to reducing the number of live animal experiments - but animal rights campaigners say they have broken that promise.

Mr. Baker, who as crime prevention minister at the Home Office has responsibility for regulating the use of animals in science, said he was trying to persuade the industry to accept the economic case for ending tests. Display screen technology could correct vision problems

BBC

Engineers have developed a prototype tablet display that compensates for an individuals' vision problems.

The system uses software to alter the light from each individual pixel on the screen, based on the person's glasses prescription.

The researchers also added a thin plastic pin hole filter to enhance the sharpness of the image.

The team say the technology could help millions who need corrective lenses to use their digital devices.

Around one person in three in the UK suffers from short-sightedness or myopia. In the US, around 40% while in Asia it is more than half the population.

Business

Astronomers weigh up Milky Way

BBC

The Milky Way is lighter than astronomers previously thought, researchers have concluded.

A team of scientists led by the University of Edinburgh found it has about half the mass of a neighbouring galaxy, known as Andromeda.

Their estimates come from working out the mass of invisible matter found in the outer regions of both galaxies.

They concluded that dark matter accounted for Andromeda's extra weight.

Dark matter is a little-understood invisible substance which makes up most of the outer regions of galaxies.

The researchers have estimated that Andromeda contains twice as much dark matter as the Milky Way, causing it to be twice as heavy.

The Milky Way and Andromeda have similar structures and are the two largest in a region of galaxies which astronomers call the Local Group.

Moon mystery: Why our Earth's satellite is lemon-shaped

BBC

Scientists have worked out the reasons for the distorted shape of our Moon.

A US team calculated the effect on the shape of the early Moon of tidal and rotational forces.

Writing in Nature [article], they say its own spin and the tidal tug of the Earth created a "lemon-shaped" satellite.

Lead researcher Ian Garrick-Bethell, from the University of California Santa Cruz, said this shape-shifting occurred when the Moon was mostly liquid beneath a thin outer crust of rock.

This interaction with the Earth also caused the Moon to shift slightly on its own axis.

"For the Earth and Mars and other bodies, we know that the dominant shape of the planet is due to its spin," he said.

European firms count Russia sanctions costs

BBC

Around Europe, companies of all shapes and sizes are assessing the impact of the sanctions imposed by the EU this week following America's lead.

Obvious candidates such as the targeted oil and banking sectors came under immediate pressure.

Oil giant Royal Dutch Shell mothballed a \$10bn shale gas venture in eastern Ukraine.

Meanwhile, rival BP, which has a 20% stake in Russian energy giant Rosneft, warned that its business could suffer.

Shares around the world had one of their worst weeks of the year as the potential impact of sanctions added to heightened geopolitical tensions.

The German Dax blue-chip stock market was down more than 5%.

Airline group IAG moves into profit

BBC

British Airways owner IAG has moved into profit for the first half of the year after an improved performance from its Spanish airline, Iberia.

The group made a pre-tax profit of 155m euros (\$207m; £123m), compared with a 177m-euro loss a year ago.

Iberia, which has been lossmaking for a number of years, made an operating loss of 95m euros.

Last week, it signed an agreement to shed an extra 1,427 jobs, IAG chief executive Willie Walsh said.

In early trading on Friday, IAG shares increased more than 4% in value, but dropped back again later in the morning.

Sharp posts a 55% rise in operating profit

BBC

Japanese electronics maker Sharp has reported a 55% year-onyear increase in its operating profit for the April-to-June quarter, beating forecasts.

The results are due in part to healthy sales of the firm's liquid-crystal display (LCD) televisions in some countries including China.

The electronics giant posted \$45.36m (4.67bn yen; £26.8m) in overall operating profit for the period.

Sharp is Japan's largest maker of LCD screens and its third-largest TV maker.

LCD screens are used in televisions, as well as some smartphones, including Apple's iPhone.

Some reports say the firm is already producing screens for Apple's next smartphone, the iPhone 6, which is due for release next month.

China manufacturing growth speeds up

BBC

China's factory activity grew at its fastest pace in more than two years in July, indicating that the country's economy may be stabilizing.

The official purchasing managers index (PMI) rose to 51.7, from 51 in June, the National Bureau of Statistics said.

The PMI is a key gauge of the sector's health and a reading above 50 indicates expansion.

The data comes as China has taken a series of steps in recent months to help boost its economic growth.

The official PMI - which measures activity in bigger factories - follows another PMI survey by HSBC last month, which gave a preliminary reading of 52 for July - an 18-month high.

Argentina blames US mediator for debt default

BBC

Argentina has blamed the US for its debt default, calling the mediator in failed talks "incompetent".

Cabinet Chief Jorge Capitanich said his country was considering opening proceedings at international tribunals in The Hague after it was declared to be in technical default.

The announcement came just hours after last-minute talks in New York with a group of bond-holders failed.

The bond-holders are demanding a full pay-out of \$1.3bn (£766m).

Argentina says the bondholders are "vultures" using the South American country's debt problems to make a big profit.

The investors are US hedge funds that bought debt cheaply after Argentina's economic crisis in 2001-2002.

Philmont Maze



Created by Cassidy Johnson

Easy

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Above: Metcalf program staff host their PhilFiesta on Tuesday, July 29 at Metcalf Station. Patrick Kelly / Photographer Right: A Nalgene at Metcalf Station. Patrick Kelly / Photographer



A Service Academy Ranger helps his crew understand their trek on Thursday, July 31 at the Welcome Center. Christine Henri / Photographer



Above: Philmont Leaderchip Challenge (PLC) participants and staff practice creating fake injuries during their wilderness first aid training on Monday, July 21 at Rayado Ridge Camp. Cassidy Johnson / Photographer

Right: PhilNews writer Dallas Elmore hikes into the clouds near Little Costilla on Thursday, July 31 in the Valle Vidal. Morgan Court / Photographer







A deer is caught off guard on Monday, July 7 near Apache Springs. Bethany Nilson / Photographer

A participant rounds up the cattle for Wild Cow Milking, an event featured at the Maverick Ranch Rodeo on Saturday, August 2 at the Maverick Rodeo Grounds. Christine Henri / Photographer

