



President's Message

By: Jeanie Baratono, President

Greeting Docents,

This month I wanted to focus on the American Association of Zoo Keepers (AAZK). It is similar to AZADV which is the organization that is specifically for docents.

AAZK is an international, non-profit organization with local chapters throughout the world comprised of dedicated animal care professionals and related persons interested in promoting animal keeping and animal care as a profession. Our local chapter at Cheyenne Mountain Zoo has many active members from various departments of the Zoo who are dedicated to improving the animals' quality of life as well as helping to protect their wild counterparts. They do fund raising and awareness events at events and through social media.

Animal Enrichment

- Providing novelty foods to put into cannolis
- Special feeders
- Paper mache piñatas
- Ice treats
- Special food rewards for trained behaviors that help with vet procedures
- Scent enrichment
- Recycling animal materials such as feathers, fur, substrate etc.
- Providing 'toys' such as boomer balls, milk crates, grain bags etc.
- Changing a perch, trees, rope etc.

Conservation Action

- **Turtle Survival Alliance** is one of two legacy projects. The purpose of the legacy projects is to provide funding to organizations that AAZK members are passionate about that may not be a best fit for a CMZ Q4C project for one reason or another. The TSA is a recognized force in turtle and tortoise conservation globally. There

are projects and/or programs in Belize, Columbia, Madagascar, Senegal, and throughout Asia.

- **Saola Working Group** is the other legacy project. The group is working to protect one of the most endangered mammals. The beautiful animals are hunted due to commercial poaching. They are found in the Annamite Mountains in Laos and Vietnam.
- **International Rhino Foundation, Action for Cheetah, and Lewa Conservancy** receive support through the Bowling for Rhinos national event.

Docents can help the CMZ AAZK chapter in several ways:

- Bring in your empty cans for recycling
- Participate or support the Bowling for Rhinos event
- Purchase the holiday ornaments
- Provide art and/or come to the annual Art on the Hoof event

Jeanie Baratono



Soala, pronounced "sow – la ", discovered in 1992, and perhaps fewer than 100 remain.

2017 – 2018 CMZ Auxiliary Calendar

Meeting Times are 9:30 AM. Training Times are 9:00 AM – 4:00 PM approximately. Education Committee Meetings are held at 9:30 AM on the 4th Wednesday of the month in the Safari Lodge.

**** Mandatory meeting. Bolded items- date or location has been changed**

Mar 2018

3	Training	Safari Lodge
7	Board Meeting	Safari Lodge
10	IE meeting	Library
10	Training	Safari Lodge
14	TE Meeting	Safari Lodge
17	Training	Safari Lodge
21	Training	Safari Lodge
24	Make-up Training (Snow Day)	Safari Lodge

Apr 2018

4	Board Meeting	Safari Lodge
11	TE Meeting	Safari Lodge
14	IE Meeting	Safari Lodge
15	Spring Fling is due	
18	CEC (tentative) FIRE	Safari Lodge
28	CEC (tentative) FIRE	Safari Lodge

UPCOMING PROGRAMS

TE Programs

The **March 14th** program will be presented by Amy Schilz, ARV 1 & 2 and Commissary Animal Care Manager, sharing her experiences working with keepers at the Belize Zoo. Judy DeGroot recently visited that Zoo and she will also talk about her experiences at this unusual zoo.

The **April 11th** program will be information from the New World Primate Tag workshop that the Cheyenne Mountain Zoo hosted in the fall of 2017. Monkey Pavilion Senior Animal Keeper, Rick Hester coordinated this event and will be our presenter.

IE Programs

March 10 – The presenter will be Jennifer Heiny, Park Interpreter from the Garden of the Gods, who will discuss Fossils and Geology of the Pikes Peak Region

April 14 - Cate Kelly, CMZ Docent, will report on her trip to Antarctica

TB TESTS

It's that time of the year! If you handle animals, prepare diets, pop popcorn or make enrichment for the animals you need the yearly TB test. Joan Adkins will be giving and reading the tests for the docents this year. The tests need to be read 48 to 72 hours after administration. Following are the dates and locations.

Mon, Apr 2nd 7:30 - 9:30 Testing, Admin Library

Wed, Apr 4th, 7:30 - 9:15 Testing and Monday reads, Admin Library

Wed, Apr 4th, Docent testing after the board meeting, Safari Lodge

Fri, April 6th, 7:30 - 9:30, Staff, docents and Wed. reads - Admin small conference room

NOTE: Docents who are attending the AZADV conference need to attend one of the tests and the following read date that have been listed above. This will take place along with tests for Zoo staff as well. The early hours listed above may also benefit IEs who work during the week.

Wed, 4/11, Docent testing after TE meeting, Safari Lodge

Fri, 4/13, Docent reads from Wednesday -12:00 noon - DRC

Sat 4/14, Docent testing after IE meeting in Safari Lodge and Wednesday Reads

Mon 4/16, Docent Reads 3:30 – 5pm in DRC

The cost will be between \$3 and \$5 so stay tuned for that figure. Your other option is to have the test on your own. At the end of Zooline there is a copy of the form you will need to fill out and bring with you to the test. There will be extra forms available. All docents do not need the test only those that are ZOOM docents or prepare diets or enrichment for the animals need the test. If you think you might be interested in those activities please plan on taking the test. Questions?? Contact Joan Adkins

CONTINUING EDUCATION

All active docents are required to complete at least two CECs each year. We are offering the following CEC opportunities.

Training content classes continue in March in the Safari Lodge. Sign in at the session(s) for CEC credit.

Spring Fling – is included -at the bottom of this Zooline. Please complete and return it to Susie Potterat by April 15.

CEC class – There will most probably be a CEC on **FIRE** given on **Wednesday, April 18th**, and Saturday, **April 28th**, both at 9:30 in the Safari Lodge. Of course, in case of fires or other emergencies, all bets are off, so stay tuned. More information should be available in the next few weeks. And yes, the dates are correct due to a schedule conflict in the Lodge. *Susie Potterat*

INTRODUCTION TO OUR NEW TRAINEES

Short introductions to the new Trainee Docents will appear in this issue and the next.

Melanie Frost - I received my BA (Anthropology and Sociology) from Ohio University plus I took computer courses at The Ohio State University. I worked as an Applications Computer Programmer/Analyst at OSU. Hobbies include Traveling (including many AZADV conferences and some AZADV and Columbus Zoo trips), Gardening, and Bird-watching. I volunteered at Columbus Zoo and Aquarium, which included doing tours, talks, regions, over-night watches, holding snakes and other animals, helping raise young pronghorns, and chairing or serving on various committees. I also volunteered at Ohio Wildlife Center, at which time I took care of injured and orphaned native Ohio wildlife, including, physicals, feeding, injections, medications, rescues, and homecare.

Some fun facts from the Ohio Wildlife Center experience: One summer, I raised 55 Cottontail bunnies in my dining room. Over several summers, on my screened porch, I raised 75 (very smart!) American crow chicks. Edgar Allen Crow, OWC's Education crow, also lived on my porch. He spoke several words, including Hello and Nevermore!

I applied to become a docent at the Cheyenne Mountain Zoo because I missed being a docent and

wanted to continue to provide an enjoyable learning experience for Zoo guests.

Matt Brickell I am a Colorado Springs native - born in Penrose Hospital - and grew up in the Springs and Denver. I graduated from the University of Nebraska with B.S. in Natural Sciences and a master's degree in Education. I taught high-school science for 30 years and have been a coach (wrestling and soccer) for over 30 years. My wife, Susan, and I have three wonderful children, Nathan, Tyler, and Leah, and are excited to become grandparents in June. I have always had a love for the natural world and can think of no better place to volunteer than as a docent at the Cheyenne Mountain Zoo. I've enjoyed the docent training and have been sharing fun animal facts with my family. My great-grandfather came over from England to work for General William Palmer. He took care of his thoroughbred horses at Glen Eyre. I guess a love of animals runs in the family!

Gayle Irani – BS in Environmental Biology, BS in Computer Science, MS in Computer Science, MS in IT/Project Management. Worked at Pueblo Chemical Depot – monitoring mustard gas in igloos. Worked in a lab doing water analysis. Most of my career spent as a software engineer, mainly in telephony. Also taught computer science courses as an adjunct at PPCC, CTU and Early Colleges. My hobbies include quilting, crocheting, coursing, racing and agility with my Italian greyhounds (IG), Scuba Diving, gardening, photography. I have volunteered at Marian House and– I created a volunteer database for them. I also created a website for my agility club. And I have fostered with National mill dog rescue – my superstar IG, Nico, was a foster I kept. I want to be a docent at the zoo because I looking to volunteer, love animals, working with kids, ecology and have biology interests. For fun, I was a scuba instructor. I have been on every continent except South America and Antarctica. My oldest IG was the #1 IG in the US in oval and straight track racing in 2013, 3rd this year at 9 years old.

Jane Emerson Brown - Graduate of the University of Idaho with a degree in Kinesiology/Education. Taught Elementary Physical Education and coached softball/track and field at the high school level in Italy, Hawaii, Pacific NW and California. Skiing, traveling, tennis and golf are hobbies. Volunteer Experience: Coached an elementary track program for 12 years that grew from 21 athletes to over 130 members-never lost a meet. Started and facilitated a community service organization for high school age young men. Developed a water safety and swim program for

elementary students. Grew up in Bavaria, and have moved 30 times. My choice to become a docent is an easy one. Love to learn, appreciate the purpose of the CMZ, and looking to make new friends.

Micha Rhude - I have been in Colorado Springs since 2006. I am an RN working in Surgery. MY love of the CMZ started with bringing my 2 granddaughters. Animals have always been important to me, even as a child wanting a horse so badly that I named a tree in my yard "the horsey tree". I look forward to my opportunity of becoming a docent and the public interaction...

Judy Sondermann - I'm a native of Colorado Springs, including graduating from Colorado College with a B.A. in Psychology in 1981 and Master of Arts in 1993. I taught in School District 11 for over 29 years about 1/2 of that time in elementary school (mostly Steele Elementary) and the other 1/2 at Holmes Middle School. I retired from teaching in 2014. I love soccer and scuba diving. I remember visiting the Cheyenne Mountain Zoo often as a child as well as a teacher. I'm hoping to continue to combine my love of the zoo and my love of working with children as a docent at the zoo.

Tami Dickens - I am very excited to join the zoo family. I am a native, not only to Colorado, but to Colorado Springs as well. I come from a family of teachers, and after a brief side road in engineering, I followed the lead. I met my husband, who was also a teacher and a native of Colorado Springs, and we had two children. Rodeo was a large part of our lives as our children were growing up. My son is currently living in Phoenix, Arizona, training horses, hauling hay, and dealing in cattle. My daughter is in Syracuse, New York working on a PhD in Disabilities Studies. They are very diverse, but we love spending time with them. After 33 years in education, I retired in 2016. Now that I get to choose what I fill my time with, I have a very part time job tutoring soldiers at Fort Carson. I also do some work at the preschool library, reading to the little ones. I guess that wasn't enough, because after a visit to the zoo, I realized what a happy, interesting place the Cheyenne Mountain Zoo is, and I wanted to join in the fun. I look forward to learning more, finding new friends, and doing more of what I really enjoy – teaching. The CMZ has a wonderful philosophy for taking care of the animals and I know there are many amazing experiences ahead of me.

KEEPER SPOTLIGHT

This month the keeper in the spotlight is **Jenny Diaz** the lead keeper in the Loft and Big Back Yard. Here are her words:

I have always loved animals. I was that 2 year old who could tell you I wanted to be a veterinarian before I knew how to tell you my name. It took until I was in high school to finally figure out that zoo keeping was the direction I wanted to go, but it was always going to be animals.

In college my sister suggested that we take a semester off and go live in Disney World for 6 months. After spending the last ¾ of my life in school, that sounded like a pretty good idea. I picked an internship out of a book and applied to the one that had the most spots to fill. I ended up in education teaching people about animals. After that internship I did another on that team, then landed a full time job. After 3 years with them, I got the opportunity to switch over to a keeper team. After 4 years with them, I was sick of living in Orlando so I moved back to Colorado. After less than 6 months here I applied to CMZ for the head camp counselor position. When I came in for my interview, the director handed me a job description for the Loft keeper and asked if I would be interested. Three interviews later, and now 5 years later, I still love my job. So, to make a long story short, luck...luck is how I found my career path and ended up here at such an awesome zoo.

My typical day is filled with blue shirted teenagers and giving information and feedback to hundreds of different people and making sure to get through to them on their level. I try to adapt my style to each individual and there are a lot of them. Losing an animal is the hardest part of my job.



SOCIAL COMMITTEE

Big Hearts!!!! That's our Docent community and so evident at our joint TE/IE meeting in February in spite of the weather. Thank you all for your help; setting up, cleaning up, and making food contributions for the pot-luck luncheon. *Terry & Barbara*



As Mandy mentioned at the February meeting, Baka has earned the nickname "The Destuctor" because he is able to dismantle or rip up enrichment items that are not constructed of orangutan proof materials faster than they can build them. On this afternoon he was sitting calmly. **Deborah Compton**

500 YEARS!

Coffee pod (k-cup) Coffee machines have increased in popularity for their 24/7 convenience and novelty. But even their inventor, John Sylvan, regrets inventing them, does not own a pod coffee pot, and says he only created them for office use.

Keurig is responsible for introducing Americans to pod coffee in the 1990s.

As the machines caught on in the U.S., coffee pod machines sales multiplied more than six-fold in six years—from 1.8 million units in 2008, to 11.6 million in 2013, according to data from market research firm Euromonitor.

According to the National Coffee Association, 33% of U.S. consumers owned a pod coffee machine in 2017. In retail stores, single-cup coffee increasingly made up over 36% of sales as of May 2016, and showed the highest sales growth in the coffee category and was rated among the fastest-growing private-label food and beverage categories in both dollar and unit sales. Single-cup coffee generated retail sales of about \$3.71 billion in 2016, and increased to \$3.88 billion for the 52 weeks ending

January 22, 2017. Of these, the company Keurig Green Mountain in 2017 made more than double that of its closest competitor, Starbucks Coffee Co.

500 years! Yes it takes 500 years for some coffee pods to deteriorate!

Last year, enough k-cups were sold that if they were placed end-to-end, they would circle the globe 10.5 times. Over 55 million pods go into landfills daily. Those coffee pods could be contributing to a global environmental disaster including not only America but Europe and Australia as well. The plastics are going into landfills and producing toxic gases that are seeping into our ground water and oceans and are killing our wildlife and poisoning humans. Many experts are warning that these chemicals may be contributing to the rising health problems we are seeing worldwide.

Plastic chemicals like BPA, BPF, BPS and Phthalates are known endocrine disruptors and may contribute to hormone imbalance, weight gain and fertility problems. Aluminum has some health concerns of its own and may be bad for the brain and has been linked to Alzheimer's, depression, anxiety, autism and even autoimmune disease. Coffee pod machines are also a prime growing environment for mold, mildew, algae and biofilms.

Most coffee pods are not recycled because they are made of non-recyclable plastic mixtures topped with a foil cover, a paper filter liner, and have coffee grounds on the inside which together are all nearly impossible or undesirable to separate. The grounds must be washed out with water and composted. Any varnish must be burnt off. The metals must be shredded and smelted and made into new metal products and the plastics must also be separated and melted and made into new plastic products. This all takes a lot of energy and transportation and most municipalities lack the equipment and technology needed to do this kind of recycling.

A Keurig competitor, Mars Drinks, is committed to helping workplaces around the globe to meet their own sustainability goals. They have a five year plan, from 2016 to 2020, first to solve the waste challenge and also to focus on sustainable agriculture and sustainable operations. Mars encourages people to send their used pods to a business that collects waste and makes products out of it, but considering how hard it is to get people to just recycle by separating items at their own homes, will they go to the trouble of saving and mailing the pods

According to Keurig's website, the company is pushing for all K-Cups to be 100% recyclable by 2020

but that is still far enough in the future to still fill landfills with millions of pods.

Apart from the companies making the pod coffee machines are the companies just making the pods, who are also trying to work on the environmental problems.

Nespresso says it uses aluminum for its pods because it is "infinitely recyclable" and because it bears "the potential for a second life within every capsule". The problem is that the consumer must return the pods to the Nespresso store or certain florists. So unless there is a drop-off point nearby, this can prove difficult.

Republica says that its capsules are biodegradable, because its plastic is an oil-based polyethylene with a special additive called d2w, which renders the plastic "oxo-biodegradable". But a very tight lid must be removed along with the messy coffee grounds.

Another alternative is to buy and use refillable pods. But this was not always popular with some users..... What is the solution?

- Quit drinking coffee.
- Buy and use disposable coffee pods.
- Make and drink instant coffee.
- Don't buy a coffee pod machine. If you have one, get rid of it.
- Brew coffee the old fashioned way in a coffee pot.

No scooping, measuring or stirring – coffee pods provide convenience at the press of a button. Is it possible to have the convenience of coffee from a pod and still do the right thing by the environment? The burden of environmentally-friendly products should lie with both manufacturers and consumers.

P.S.: Keurig introduced a special pot for Christmas that only uses its own pods. Their sales have been on the decrease this season.

PPS: another thing a Keurig Coffee maker user can do: Sign up for a service like Terracycle's Zero Waste Box. The company sends you a bin to fill up with your spent pods, and you mail it back for custom recycling. Bins cost \$70 to \$118, depending on size. That's not cheap — but it might help keep visions of the K-Cup monster at bay. The company burns the pods as fuel. *Diana Gantz*

MORE PRIMATE PASSION

Photos by Deborah Compton



Kwisha decided to use a spool as her dinner table.



Mandy Hester mentioned how much Goma loved sitting on plastic spools

VOLUNTEER HOURS, EVERY ACTIVE DOCENT HAS SOME

As docents we all know what service hours are and realize their importance. But how many of us know what volunteer hours are or why they are important? After scanning the Service Hour Spreadsheet, and noticing not all docents are not turning in volunteer hours, a suggestion was made to stress the importance of tracking these hours.

First let's address why volunteer hours are so valuable. Cheyenne Mountain Zoo is a non-profit 501 (c) (3) organization. The zoo does not receive any city or state public tax support for operation costs. Support for the zoo comes from private donations, entrance fees, zoo memberships, and grants. When the zoo is applying for grants, often times, the likelihood of them being awarded a grant is increased if they can show a significant number of documented volunteer hours. So each and every volunteer hour is extremely important to Cheyenne Mountain Zoo in helping to obtain a grant.

What is a volunteer hour and how does differ from a service hour? It is time spent doing work for the Cheyenne Mountain Zoo Auxiliary that is not considered an IE hour or a TE hour. (Please note, volunteer hours do not count toward your active docent service hour requirements.) Here are a few examples:

- Drive time (1 volunteer hour for roundtrip) to CMZ for meetings, tours, carts, or other events
- Attending an IE, TE, Board, ad hoc, or other committee meetings
- Preparing for a CEC presentation or a zoo school presentation
- Reviewing tour materials prior to leading tours
- Making phone calls, sending emails, or doing other administrative work for the auxiliary
- Writing articles for Zooline
- Any time spent performing duties relating to CMZA Executive Board, Supplemental Activities, or the Interpretive Education Board
- Time spent answering CEC test questions

Docents attending the joint IE / TE meeting on February 10th easily have 3 volunteer hours. Drive

time would count as one volunteer hour and the meeting was at least two hours, for a total of three. Docents setting up and tearing down for the Scavenging for Vultures sale would have additional hours to count. Plus, their efforts allowed the docents to aid in vulture conservation. All the hard work the Social Committee (and their helpers) put in before and after the meeting add up to be a significant number of volunteer hours. Docents were greeted by cheerful table settings and warm coffee on a snowy morning. The numerous hours put in behind the scenes by the Enrichment Committee made Primate Passion a success. It gave docents a chance to show keepers we have a heart for enrichment and a love for the animals in their care. Board members worked to set up the agenda, meeting place, and special presenter, Dr. Liza Dadone. As docents how can we not be inspired by Dr. Liza and be proud her groundbreaking research? Technical support was important too. There are other volunteer hours, no doubt, that went into making this joint meeting successful.

Essentially, volunteer hours are performed behind the scenes and aid in supporting the Cheyenne Mountain Zoo Auxiliary unlike service hours that directly benefit the public. Both types of hours are important and ultimately benefit Cheyenne Mountain Zoo. While volunteer hours will not get you an employee jacket or a behind-the-scenes tour, remember they will help our zoo get the grants they need to take care of the animals that we docents love. Plus, volunteer hours are benefiting docents, animals, and organizations in ways you may never have consider before. So, next time you see the Volunteer Hour sheet in a Board, IE, or TE meeting don't let it pass by without adding your hours. Thank you! *Deborah Compton*



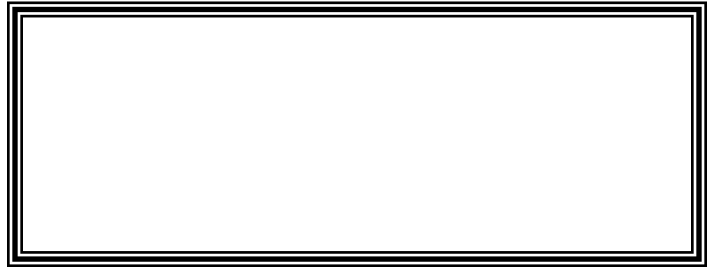
Doris Banks putting in some volunteer time



CMZ Auxiliary ZooLine

March, 2018

Lovice Riffe, Editor
Cheyenne Mountain Zoological Society
4250 Cheyenne Mt. Zoo Road
Colorado Springs, CO 80906



Spring Fling 2018

Answering this Spring Fling fulfills one CEC credit. Please return the quiz to me by April 15th. You can mail this to Susan Potterat at 2901 Country Club Drive, CS, CO 80909 or email it to me at sbpotterat@yahoo.com.

1) Match

- | | |
|-------------------------|-----------------------------|
| A Mucous body | 1) Baobab tree |
| B Old World monkeys | 2) Naked mole rat |
| C Eusocial | 3) Giraffe |
| D Carnassial teeth | 4) Gradual change thru time |
| E Primary consumer | 5) Cheetah |
| F Omnivore | 6) Human |
| G Evolution | 7) Penguin |
| H Keystone species | 8) Skunk |
| I Aposematic coloration | 9) Colobus monkey |
| J Countershading | 10) Fish |

2) Define these terms and give an example of an animal in each category found at CMZ.

Digitigrade -

Plantigrade –

Unguligrade -

3) Explain what each of the two terms are in each group & give an example found at CMZ

Indicator species.....Keystone species
Precocial.....Altricial
Ectothermic.....Endothermic
Primary consumer.....Secondary Consumer
Perissodactyl..... Artiodactyl
Prey.....Predator
Monocular vision.....Binocular vision

4) On our Colorado Life Zone Tours, we talk about 5 zones. Please list these zones and give the altitude, and an example of a bird, plant and mammal found in each. If you are not familiar with this tour, the information is readily found on the internet.

- 5) Meerkats are a perennially favorite animal with guests. If you were doing a cart talk in that exhibit, mention 4 things you could tell guests.

- 6) The legs and feet of animals give insight into their lifestyles and feeding habits. What do we learn from the legs and feet of the following animals?
Bald Eagle Siamang Snow Leopard Rocky Mountain Goat

- 7) Define the 3 types of evolution we talk about and give an example of each.

- 8) Take one of your favorite CMZ animals and give its habitat, ecological niche, food source(s), status in the wild, and behavior, including 1 or 2 special adaptations for your animal.

**Cheyenne Mountain Zoo
TB Skin Test Consent and Results**

Name: _____
Dept: _____

I understand it is the policy of Cheyenne Mountain Zoo that required employees have a current record of tuberculin (TB) testing upon hire. Cheyenne Mountain Zoo also requires a tuberculin (TB) test annually for all applicable staff and contractors.

I hereby release Cheyenne Mountain Zoo and the Nurse administering the test from any liability should an adverse reaction to the test occur. I have had the opportunity to ask questions about this test and to have these questions answered to my satisfaction.

Check all that apply:

___ I ***do not*** have any of the symptoms that might indicate tuberculosis:
Cough lasting more than 3 weeks, unintentional weight loss,
blood sputum, loss of appetite, night sweats, fever.

___ I have ***never*** had a reaction to a TB skin test.

___ I have had a reaction to a TB test in the past.
___ If positive I have ***had*** a chest X-Ray
___ I have been treated for tuberculosis

___ I have ***never*** been treated for tuberculosis.

___ I have ***not*** received the BCG vaccine (given in other countries, not USA).

___ I ***have*** had a TB skin test before and did not experience any ulceration or open sore at the injection site.

___ For females: ***I am not pregnant***

All the answers to these questions are true and correct. I hereby authorize the Cheyenne Mountain Zoo Nurse to provide a TB skin test today, and **I agree to return for the test reading within the next 48 to 72 hours.**

Signature: _____ Date: _____

Administered by: _____ Date: _____

Site: _____ Left forearm _____ Right forearm

Read by: _____

Date: _____ Results: _____

