

Science Camp #160706.7

06-08 July 2016 @ the Condo, the Nelson Cabin, and surrounding area

Advisors

H. Roice Nelson, Jr., Andrea S. Nelson, Paul F. Nelson, Benjamin B. Nelson, & Jared Wright

Attendees

Ethan E. Nelson, Grant M. Nelson, Colby C. Wright, Taylor R. Wright, Ella D. Nelson, Halle N. Wright, Bobbie Sophia Waldron (pre-visit & via video), Dallin Spencer Nelson, Rachel Lee, & Ian Lee

Past Science Camp Themes & Sites Visited

1. Nelson Cabin, Fishing, Condensation, Water Coloring, and Music
 1. Nelson Cabin
 2. Panquitch Lake
 3. Swimming at Cedar City Aquatics Center
2. Mining Range, Frisco, Silver Reef, Iron Town, Astronomy at Frisco Peak, Archery
 1. Nelson Cabin, Kolob Reservoir, Silver Reef, Snow Canyon, Volcano
 2. Parowan Gap, Rack Range Mines, Frisco, Frisco UU Telescope
 3. Iron Mine, Iron Town
3. Geocaching, Mammoth Cave, Cascade Falls, and Cedar City Cemetery
 1. Nelson Farm, Fiddler's Canyon,
 2. Boys to Mammoth Cave, Cascade Falls and Girls to St. George and Pottery Making
 3. Cedar City Cemetery
4. Volcanoes, Classy Closets, Maps, Surveying, Sand Painting, and Genealogy
 1. Condo, Snow Canyon Volcanoes, Classy Closets, Fiddler's Canyon
 2. Nelson Farm to survey, Nelson Cabin
 3. Cedar City 24th of July Parade
5. Patterns, Horse Riding, Internet, Be-a-man-campout
 1. Dust Devil Ranch, InfoWest, Fiddler's Canyon
 2. Nelson Cabin
 3. Cedar City July 4th Parade
6. Music & Spoken Word, SilencerCo, Indian Tribes & Archaeology, Solar Astronomy
 1. Family Discovery Center, Sophie & Dallin's Baptism, SilencerCo, Music & Spoken Word, UU Science Museum
 2. Fremont Indian Museum, Boulder Anasazi Ruins, Escalante Petrified Forest, Bryce Canyon
 3. Parowan Gap, Solar Astronomy, Nelson Cabin, Uncle Des' & Aunt Sara's, Swimming
7. Rock Cutting, SUU Museum, Computer Hardware and Software, Cabin

Safety

- **Never go anyplace alone.**
- Exception is if one of you is hurt, then:
 - One of you stay and help the person hurt.
 - The other one run and get help.
- If you get lost stay put, we will find you.
- If you hear a rattlesnake do not move quickly, just slowly move away from the sound.
- Do not run with a knife open. Use knife safety.
- If you cut yourself, apply pressure to the wound to stop bleeding, and send for help.
- Never point an arrow in a cocked bow or a gun at any person.
- Drink lots and lots and lots of water.
- Do not go swimming unless an adult is with you.
- Do not start branches on fire and swing them around where others can be hurt.
- Have fun, use common sense, and **think before you act.**

Hardware and Software

A landscape photograph of a sunset or sunrise over mountains. The sky is filled with dark, heavy clouds, with a bright orange and yellow glow from the sun just below the horizon. The mountains in the foreground are silhouetted against the bright sky. The overall scene is dramatic and atmospheric.

Schedule Friday - Saturday

- **Friday, 01 July 2016:**
 - Nelson Reunion at Frontier Homestead Museum.
 - Grandpa and cousins singing “My Farm” with words written by his Grandma Nelson.
- **Saturday, 02 July 2016:**
 - Nelson Reunion breakfast through lunch with lamb-burgers.
 - Paul, Grant ,Ella, and Dallin Nelson and Sophie Waldron arrive. Possible astronomy activity.
- **Sunday, 03 July 2016:**
 - Church, Inter-Faith Fourth of July Concert.
- **Monday, 04 July 2016:**
 - Fourth of July breakfast and parade, Sophie to London via Salt Lake. Paul’s Family in Cedar
- **Tuesday, 05 July 2016**
 - Hikes
 - Grandpa and Grandma Family History Center.
 - Jared, Melanie, Colby, Taylor, Halle, Avalyn, & Kendall Wright and Ben & Ethan Nelson arrive.
- **Wednesday, 06 July 2016:**
 - Fun Run/Walk, Rock Hunting at Bloody Ridge, SUU, Rock Cutting, Presentations, Cabin.
- **Thursday, 07 July 2016:**
 - Hardware, Software, Firmware, Media, Lego Robots, Races, Campfire Singing, Astronomy
- **Friday, 08 July 2016:**
 - Programming, Revisit Favorite Site, Marshmallow Guns, Water Rockets, Swimming.
- **Saturday, 09 July 2016:**
 - Carriage Rides and breakfast at Iron Springs, everyone but Grandpa & Grandma leaves.

Job Chart

	Tuesday	Wednesday	Thursday	Friday	Saturday
Ethan Nelson	Arrive	Presentation Breakfast Setup	Lunch Setup	Clean Cabin Dinner Setup	Leave
Grant Nelson	Fishing	Presentation Dinner Setup	Lunch Cleanup	Breakfast Setup Clean Cabin	Fishing
Colby Wright	Arrive Dinner Setup	Presentation Breakfast Cleanup	Dinner Setup	Lunch Cleanup Clean Cabin	Breakfast Setup
Taylor Wright	Arrive Dinner Cleanup	Presentation Breakfast Cleanup	Dinner Cleanup	Lunch Cleanup Clean Cabin	Breakfast Cleanup
Ella Nelson	Last Minute Shopping	Presentation Dinner Cleanup	Breakfast Cleanup	Lunch Cleanup Clean Cabin	Breakfast Setup
Halle Wright	Arrive Dinner Cleanup	Presentation Lunch Setup	Dinner Cleanup	Breakfast Setup Clean Cabin	Breakfast Cleanup
Dallin Nelson	Review Grandpa's Rocks	Presentation Dinner Cleanup	Lunch Cleanup	Breakfast Setup Clean Cabin	Breakfast Setup
Rachel Lee	Arrive	Presentation Lunch Cleanup	Breakfast Setup	Clean Cabin Dinner Cleanup	Breakfast Cleanup
Ian Lee	Arrive	Presentation Lunch Cleanup	Breakfast Cleanup	Clean Cabin Dinner Cleanup	Breakfast Cleanup

Championship Fish



**Biggest Trout Pulled Out of The Lake-on-the-Hill by a Family Member
H. Roice Nelson, Jr., Memorial Day, 30 May 2016, 21 inches, 4 pounds**



Day 1: Wednesday, 06 July 2016

1. Fun Run/Walk
2. Rock Hunting at Bloody Ridge
3. Southern Utah University
4. Lunch with Aunt Sara & Uncle Des
5. Rock Cutting
6. Presentations
7. Cabin

Award Certificate

Presented to

**First Annual Fun Run with my 67 year old Grandpa Nelson, or
Fun Walk with my 62 year old Grandma Nelson at
The 7th Annual Nelson Grandkids Science Summer Camp**



Signed

06 July 2016

2. Bloody Ridge Agate Hunting



GARTH AND JERRI FREHNER MUSEUM OF NATURAL HISTORY

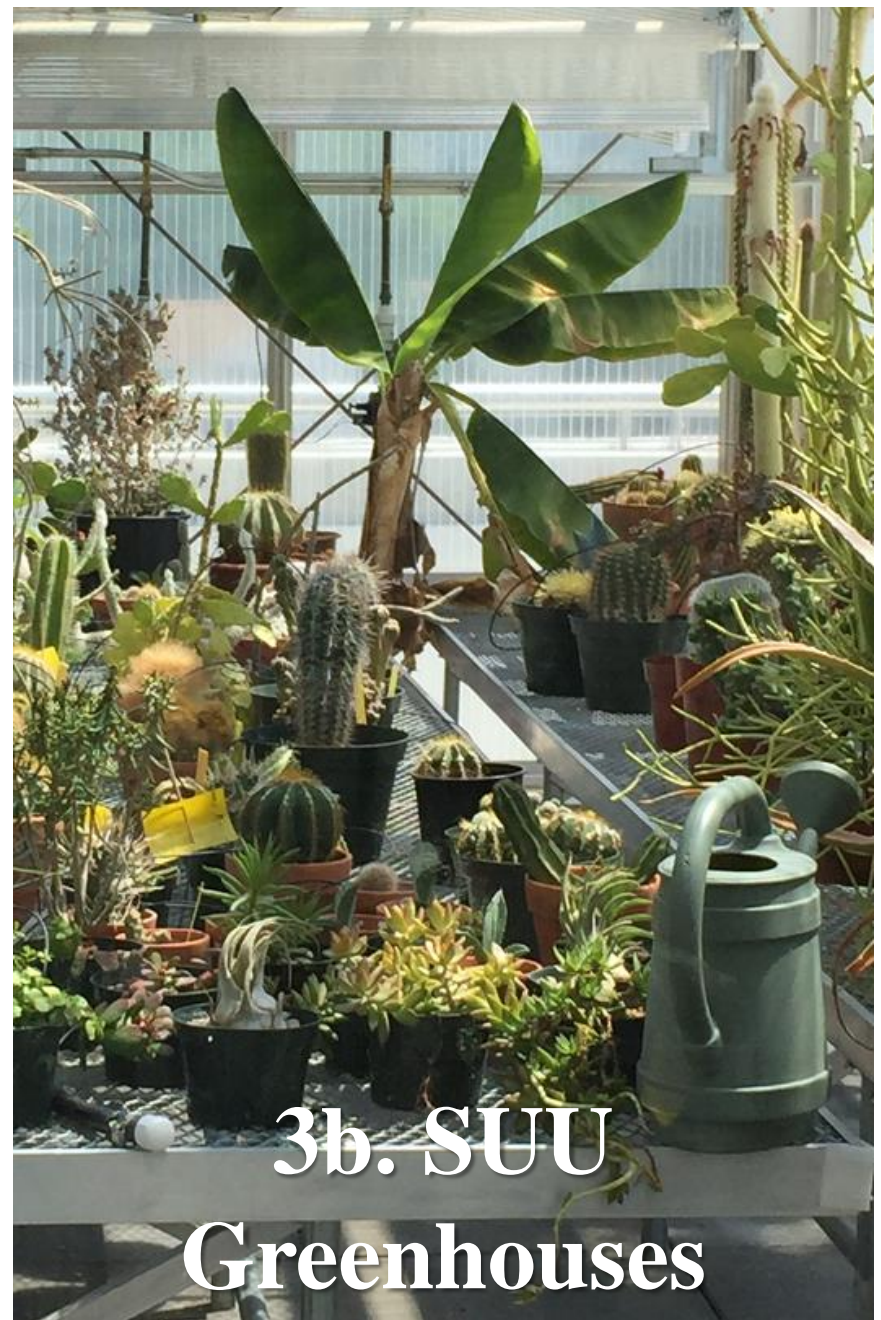
Garth and Jerri Frehner
Museum of Natural History

Museum hours:
Monday through Friday
10:30 am - 4:30 pm
and by appointment

SUU webpage:
www.suu.edu/museum/
Find us on Facebook for updates:
www.facebook.com/FrehnerMuseum/

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3a. SUU
Museum



3b. SUU
Greenhouses

5. Southern Utah Rock Club Rock Cutting Shop



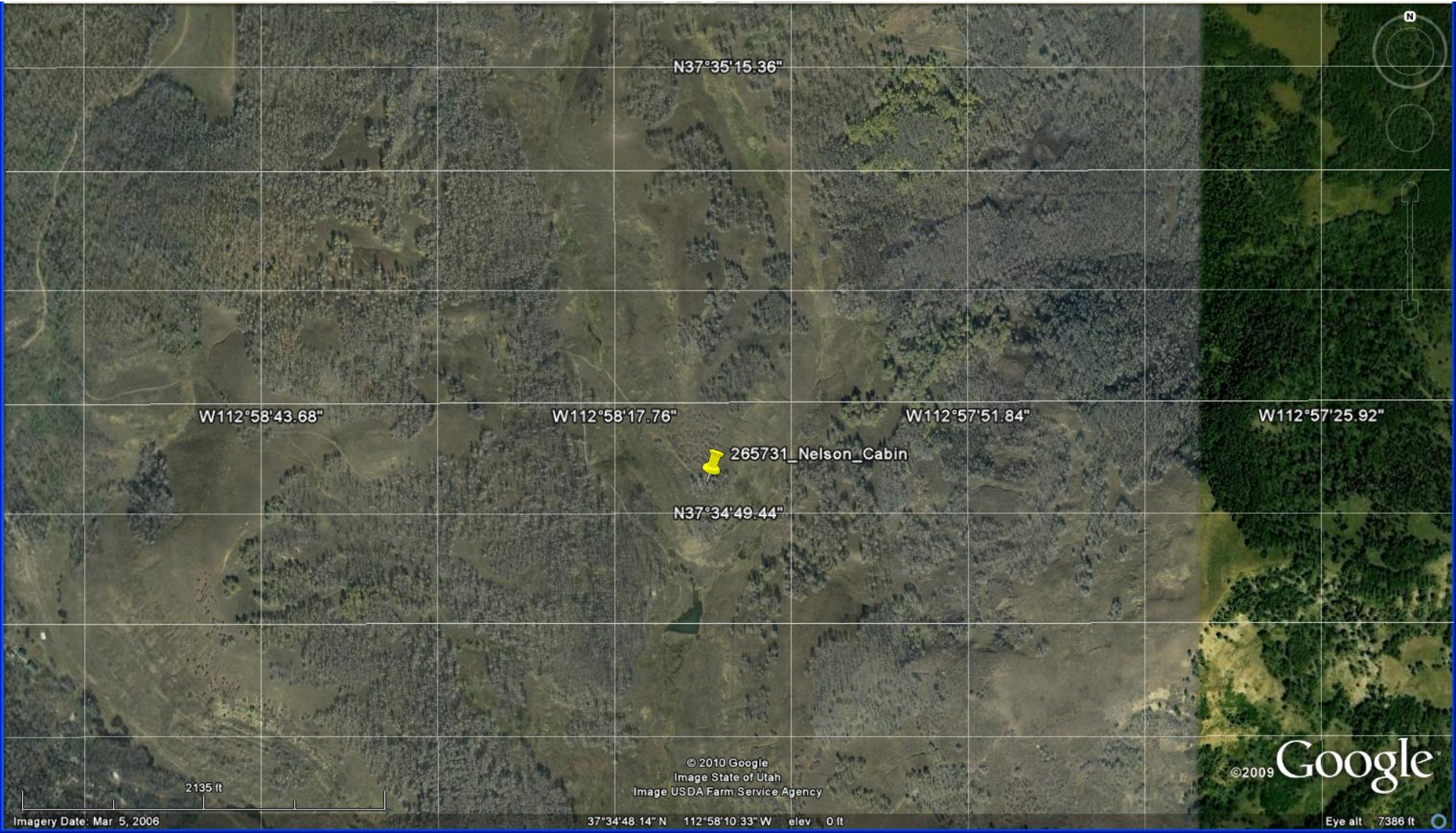
6. Presentations

- Ethan _____.
- Grant _____.
- Colby _____.
- Taylor _____.
- Ella _____.
- Halle _____.
- Sophie _____.
- Dallin _____.
- Rachel _____.
- Ian _____.

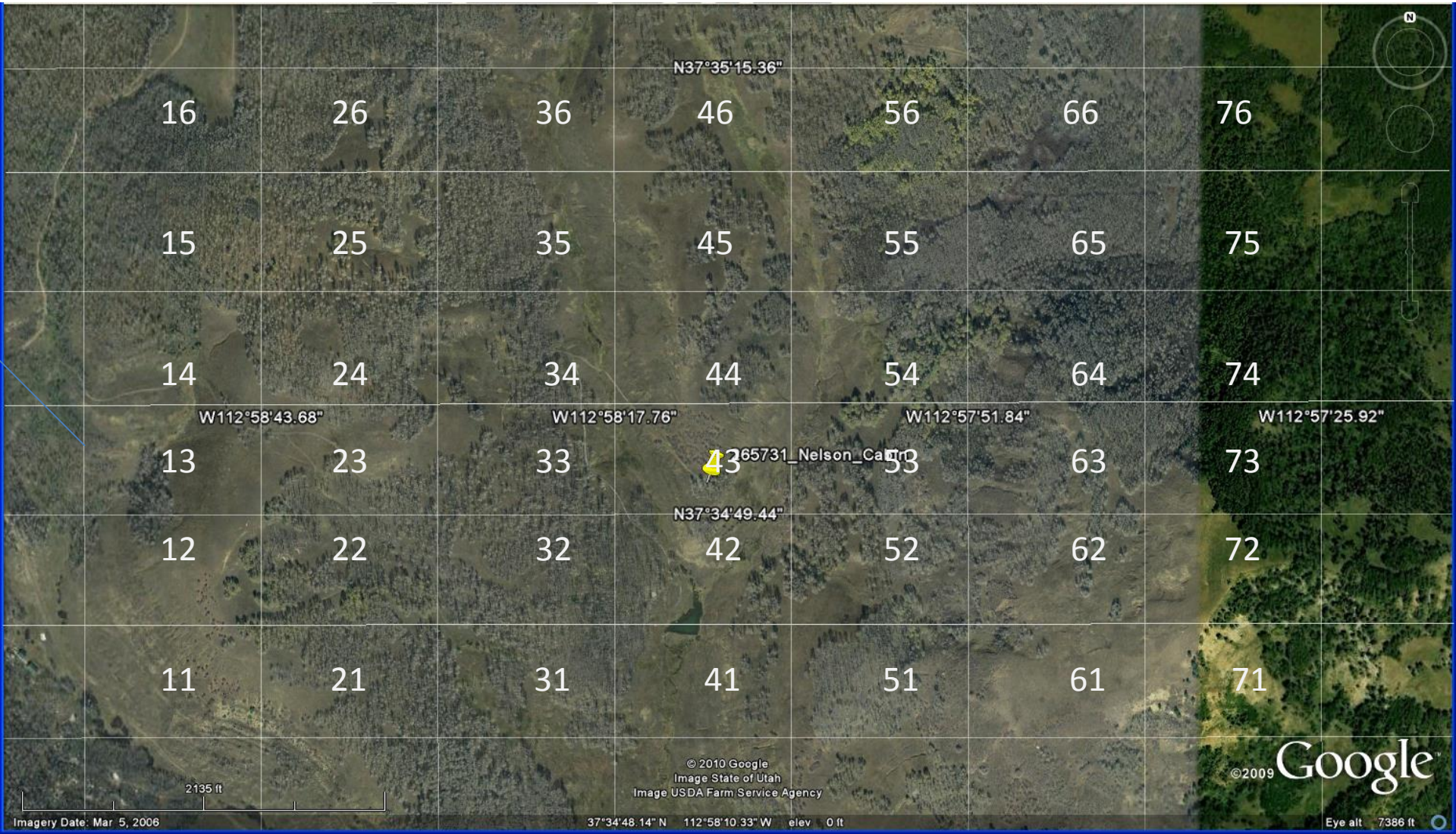
7. Nelson Cabin



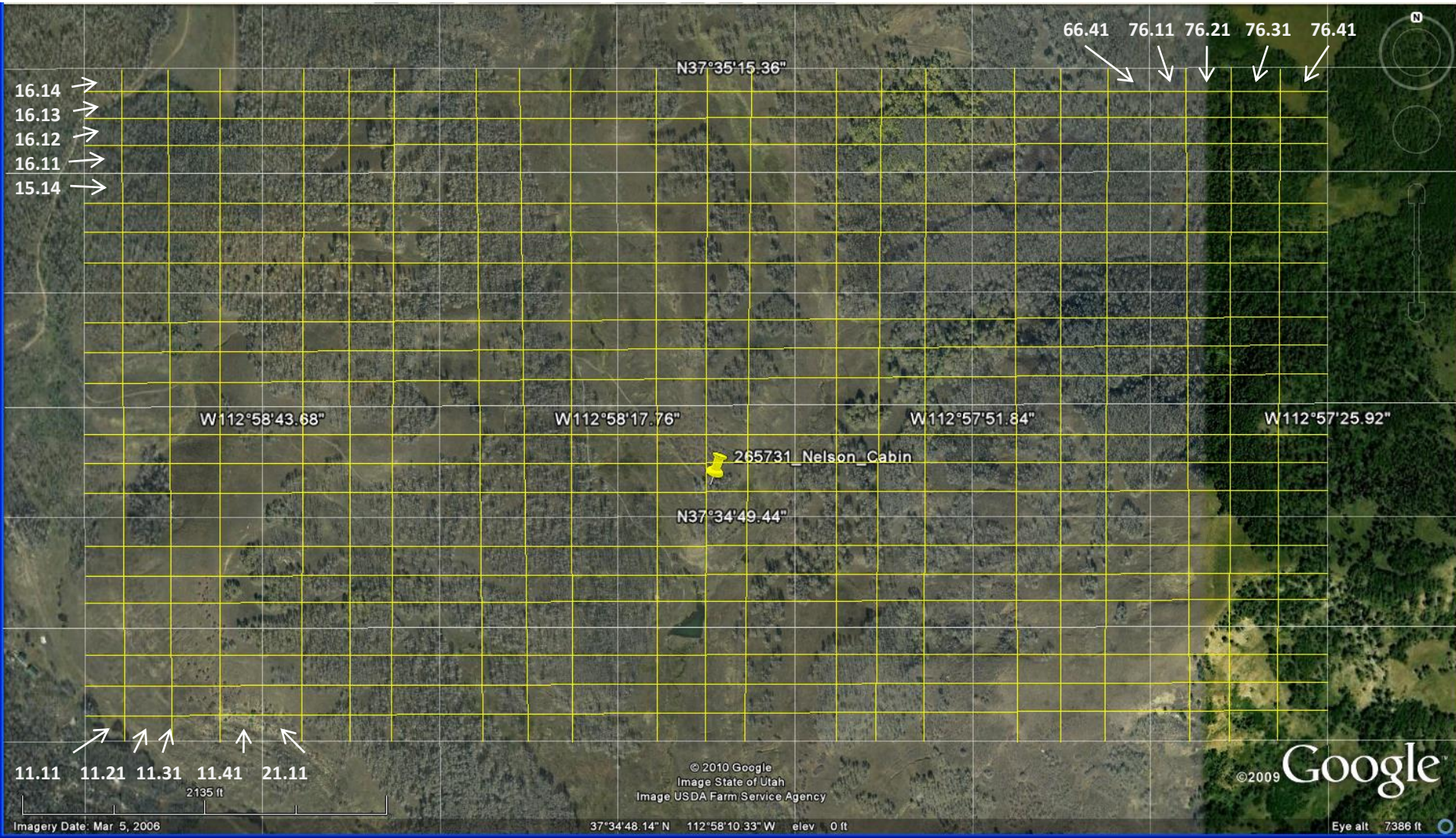
Nelson Cabin Map



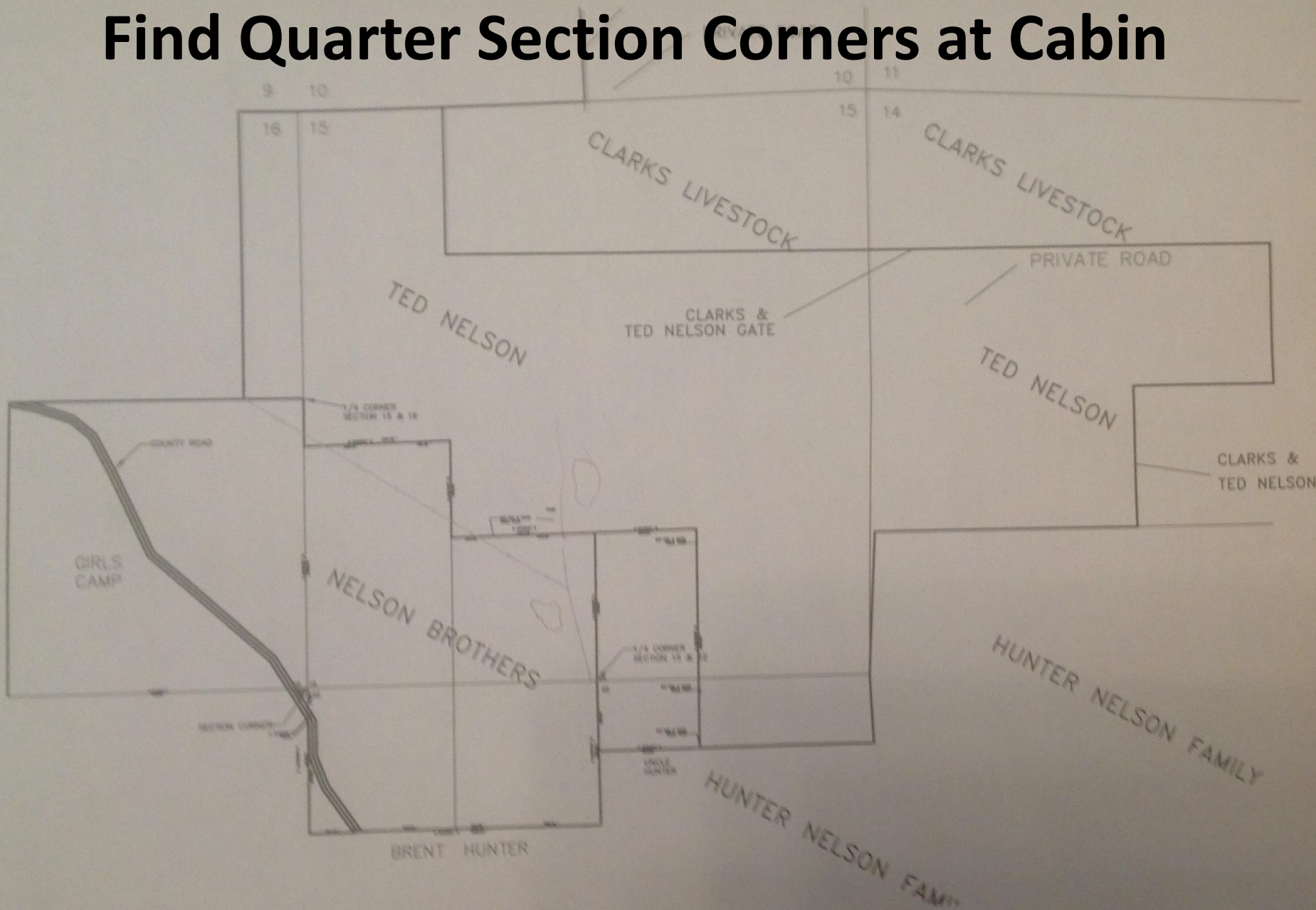
Reference Grid



More Detail Reference Grid



Find Quarter Section Corners at Cabin



Day 2: Thursday, 07 July 2016

1. Hardware
2. Media
3. Software
4. Languages
5. Lego Robots
6. Programming
7. Campfire Singing
8. Astronomy

1.a. Slide Rule – An early computer



What is being calculated here?



PowerMac



MacBook

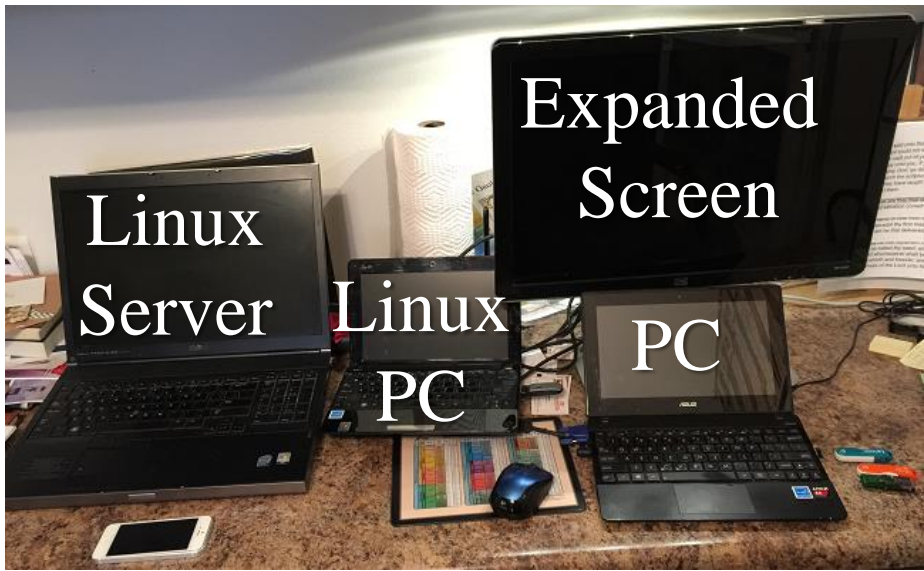


Tablet

1.b. Hardware:

Equipment,
especially computer
machine equipment

Computers at Grandpa
and Grandma's place



Linux
Server

Linux
PC

Expanded
Screen

PC

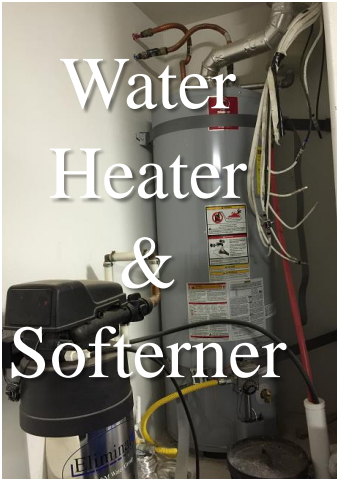


Printer / Scanner

1.c. Other Hardware with Compute Power



1.d. Hardware Becoming More Computerized



Parallel Computer Programming

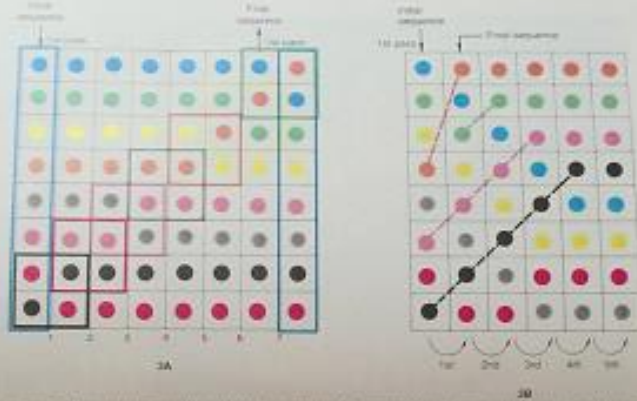


Figure 5-3. In order for supercomputers to take advantage of the extremely rapid processing capabilities of the new vector super computers, the software used must be completely rethought. This example of a "bubble sort" illustrates one of the algorithms designed for vector processors. Figure 5-3A shows how series comparisons are required for the first pass on an eight-size bubble sort, while 3B shows the one sequential pass needed for an uncompleted bubble sort of the same eight items. With the addition of four dual in-line integrated processing these serial procedures become profitable in processing time and cost of software. (Courtesy L. Dumas, Page 1)

120 New Technologies in Exploration Geophysics

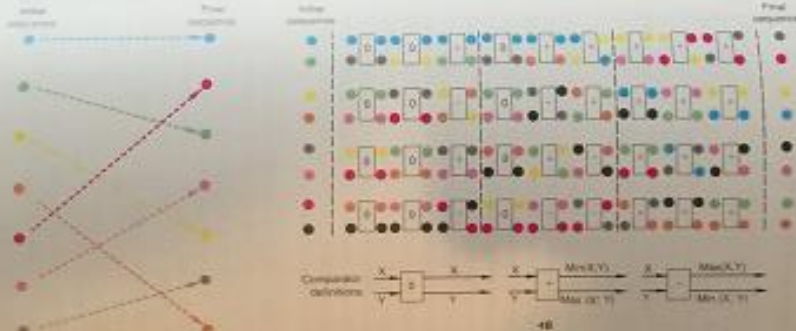


Figure 5-4. Illustrating an algorithm utilized in vector processing, a method called the perfect shuffle, which is a parallel sorting tool, is used. Figure 5-4A shows how the same perfect shuffle was desired, whereby the top four items are interchanged, or shuffled, with the bottom four. Figure 5-4B illustrates a perfect shuffle sorting network performed on eight items. Note perfect shuffle involving 16 comparisons are required for one complete sort. The top four in the second shuffle and the vector processor can perform the task, including the rapid execution of a perfect shuffle and doing four comparisons simultaneously, which reduces the processing time steps by about one quarter to about seven clock cycles. (Courtesy L. Dumas, Page 1)

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1.e. Clusters & Parallel Computers



118 New Technologies in Exploration Geophysics

Figure 5-2. The Cray-1 vector processing system looks somewhat like a bench sofa. The small size of this, and other similar units, is due largely to the short wire length used to achieve short clock times.

Cray Computer

2.a. Media Input and Output



1. Punch Cards
2. 9-Track Tapes
3. Printouts

Never, never, never point a gun or a bow at another person.

2.b. Media



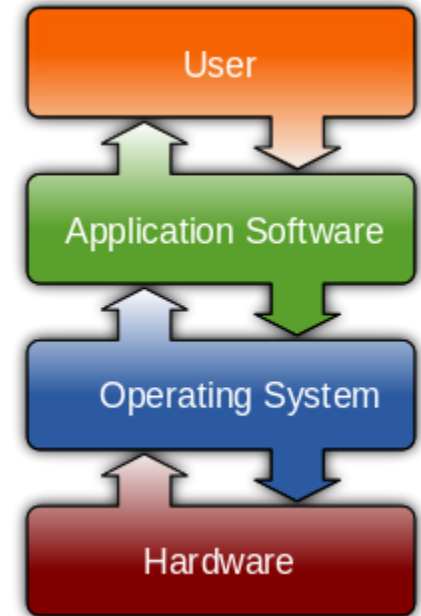
3. Software

Computer software, or simply software, is that part of a computer system that consists of encoded information or computer instructions, in contrast to the physical hardware from which the system is built. The term is roughly synonymous with computer program.

The term "software" was first proposed by Alan Turing and used in this sense by John W. Tukey in 1957. In computer science and software engineering, computer software is all information processed by computer systems, programs and data. Computer software includes computer programs, libraries and related non-executable data, such as online documentation or digital media. Computer hardware and software require each other and neither can be realistically used on its own.

At the lowest level, executable code consists of machine language instructions specific to an individual processor—typically a central processing unit (CPU). A machine language consists of groups of binary values signifying processor instructions that change the state of the computer from its preceding state. For example, an instruction may change the value stored in a particular storage location in the computer—an effect that is not directly observable to the user. An instruction may also (indirectly) cause something to appear on a display of the computer system—a state change which should be visible to the user. The processor carries out the instructions in the order they are provided, unless it is instructed to "jump" to a different instruction, or interrupted.

The majority of software is written in high-level programming languages that are easier and more efficient for programmers, meaning closer to a natural language.[1] High-level languages are translated into machine language using a compiler or an interpreter or a combination of the two. Software may also be written in a low-level assembly language, essentially, a vaguely mnemonic representation of a machine language using a natural language alphabet, which is translated into machine language using an assembler.



A diagram showing how the [user](#) interacts with [application software](#) on a typical [desktop computer](#). The application software layer interfaces with the [operating system](#), which in turn communicates with the [hardware](#). The arrows indicate information flow.

4.a. Languages

1. **Java:** a class-based, object-oriented programming language developed by Sun Microsystems in the 1990s. Java is designed to work across multiple software platforms, meaning a program written on Mac OS X, for example, could also run on Windows.
2. **C:** A general-purpose, imperative programming language developed in the early '70s, C is the oldest and most widely used language, providing the building blocks for other popular languages, such as C#, Java, JavaScript and Python.
3. **C++:** an intermediate-level language with object-oriented programming features, originally designed to enhance the C language. It's used to develop systems software, application software, high-performance server and client applications and video games.
4. **C#:** Pronounced "C-sharp," C# is a multi-paradigm language developed by Microsoft as part of its .NET initiative. Combining principles from C and C++, C# is a general-purpose language used to develop software for Microsoft and Windows platforms.
5. **Objective-C:** Objective-C is a general-purpose, object-oriented programming language used by the Apple operating system. It powers Apple's OS X and iOS, as well as its APIs, and can be used to create iPhone apps, which has generated a huge demand for this once-outmoded programming language.
6. **PHP:** (Hypertext Processor) is a free, server-side scripting language designed for dynamic websites and app development. It can be directly embedded into an HTML source document rather than an external file, which has made it a popular programming language for web developers.

4.b. Languages

7. **Python:** a high-level, server-side scripting language for websites and mobile apps. It's considered a fairly easy language for beginners due to its readability and compact syntax, meaning developers can use fewer lines of code to express a concept than they would in other languages.
8. **Ruby:** A dynamic, object-oriented scripting language for developing websites and mobile apps, Ruby was designed to be simple and easy to write.
9. **JavaScript:** a client and server-side scripting language developed by [Netscape](#) that derives much of its syntax from C. It can be used across multiple web browsers and is considered essential for developing interactive or animated web functions. It is also used in game development and writing desktop applications.
10. **SQL:** Structured Query Language (SQL) is a special-purpose language for managing data in relational database management systems. It is most commonly used for its "Query" function, which searches informational databases. SQL was standardized by the American National Standards Institute (ANSI) and the International Organization for Standardization (ISO) in the 1980s.
11. **HTML and XML:** HyperText Mark-Up and Extended Markup Languages used to write web pages and database interfaces.
12. **Perl, sed, & awk:** scripting languages used to replace Fortran, or Binary Code.

4. Lego Robots



6. Programming

- We will have several computers.
- Your assignment is to
 - Determine something you want software to do.
 - Build a work flow describing:
 - Input;
 - Process; and
 - Output
 - Select a language to write your program in.
 - Write the software.
 - Demonstrate the results to Science Camp attendees.
- This is something you can expand on between now and Science Camp in 2017, and bring the results and show them to everyone next year.

6. Campfire Singing

374 To Me, My Farm Is

Words by Emma Lambson Nelson,
music by Leonard Cohen, arranged by HRN
18 May 2015 written on my i-Pad

0 Fret Strum

Bb Gm Bb Gm Bb Gm

1. My farm to me is not just land

Bb Gm

Where bare, unpainted buildings stand

Eb F Bb

To me my farm is nothing less

Eb F Bb Gm Bb Gm

Than all created loveliness

Bb Gm

2. My farm is not where I must soil

Bb Gm

My hands in endless, dreary toil,

Eb F Bb

But where, through seed and swelling pod

Eb F Bb Gm Bb Gm

I've learned to walk and talk with God

Bb Gm

3. My farm to me is not a place

Bb Gm

Outmoded by a modern race,

Eb F Bb

I like to think I just see less

Eb F Bb

Of evil, greed, and selfishness.

Bb Eb Gm

C: Hallelujah, Hallelujah

Eb Bb F Bb Gm Bb Gm

Hallelujah, Hallelu jah

Bb Gm
4. My farm's not lonely, for all day

Bb Gm

I hear my children shout and play,

Eb F Bb

And here, when age comes, free from fears

Eb F Bb Gm Bb Gm

I'll live again, long joyous years.

Bb Gm

5. My farm's a heaven - here dwells rest,

Bb Gm

Security and happiness,

Eb F Bb

Whate'er befalls the world outside

Eb F Bb Gm Bb Gm

Here faith and hope and love abide.

Bb Gm

6. And so my farm is not just land

Bb Gm

Where bare, unpainted buildings stand,

Eb F Bb

To me my farm is nothing less

Eb F Bb

Than all God's hoarded loveliness.

Bb Eb Gm

C: Hallelujah, Hallelujah

Eb Bb F Bb

Hallelujah, Hallelu jah



8. Reflector Telescope (Ray Gardner) and Refractor Telescope (Hilton Long)

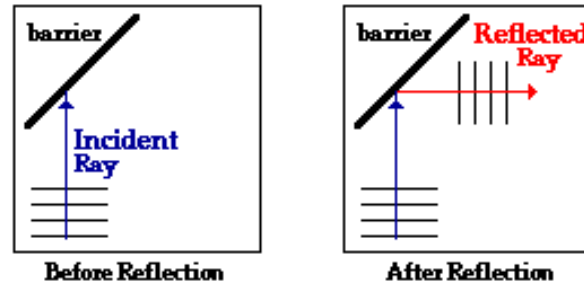


Photo of Saturn taken with
Grandpa's cell phone

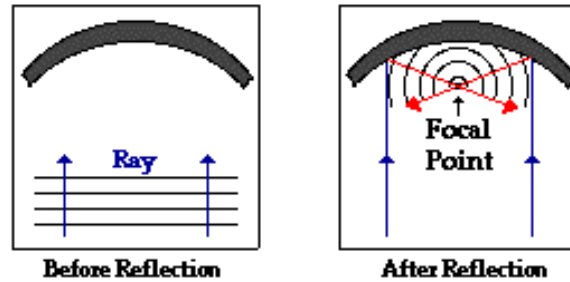
8.a. Reflection and Refraction Lens



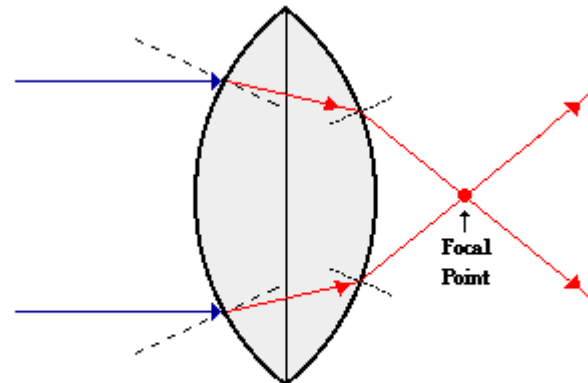
The Law of Reflection



Reflection off of Curved Surfaces

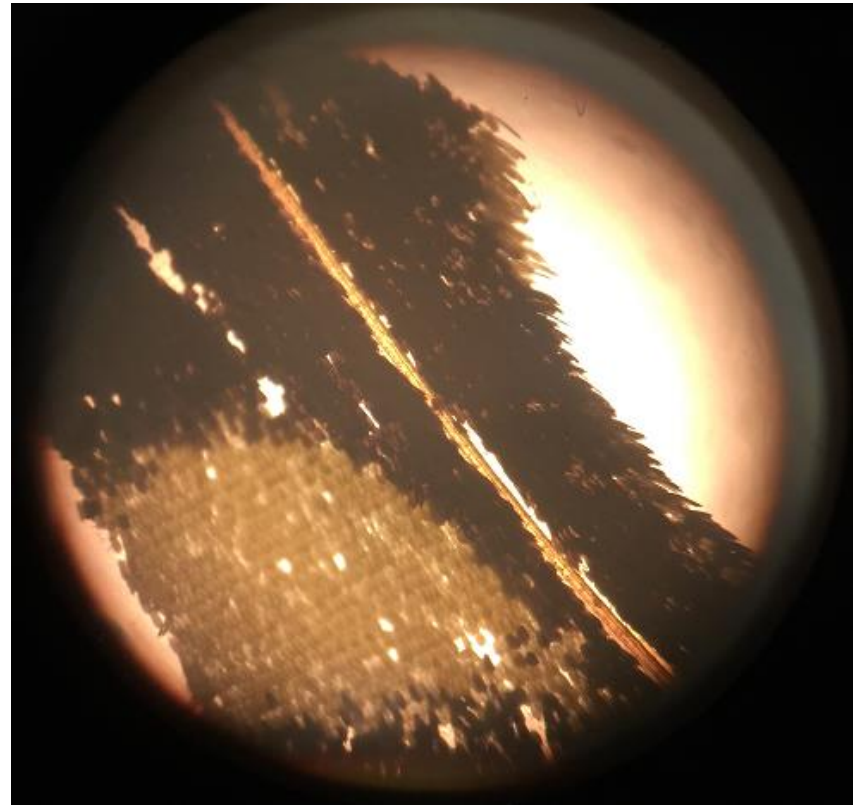


Refraction by a Converging Lens

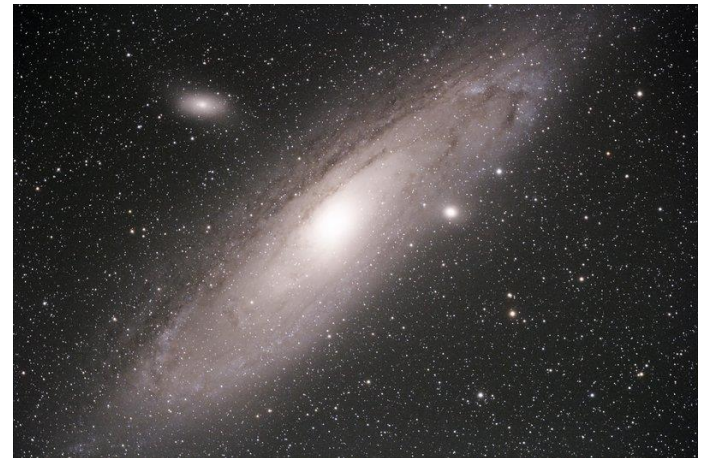


Incident rays which travel parallel to the principal axis will refract through the lens and converge to a point.

8.b. Microscope Reflection & Refraction



8.c. Night Astronomy with Hilton Long & Ray Gardner



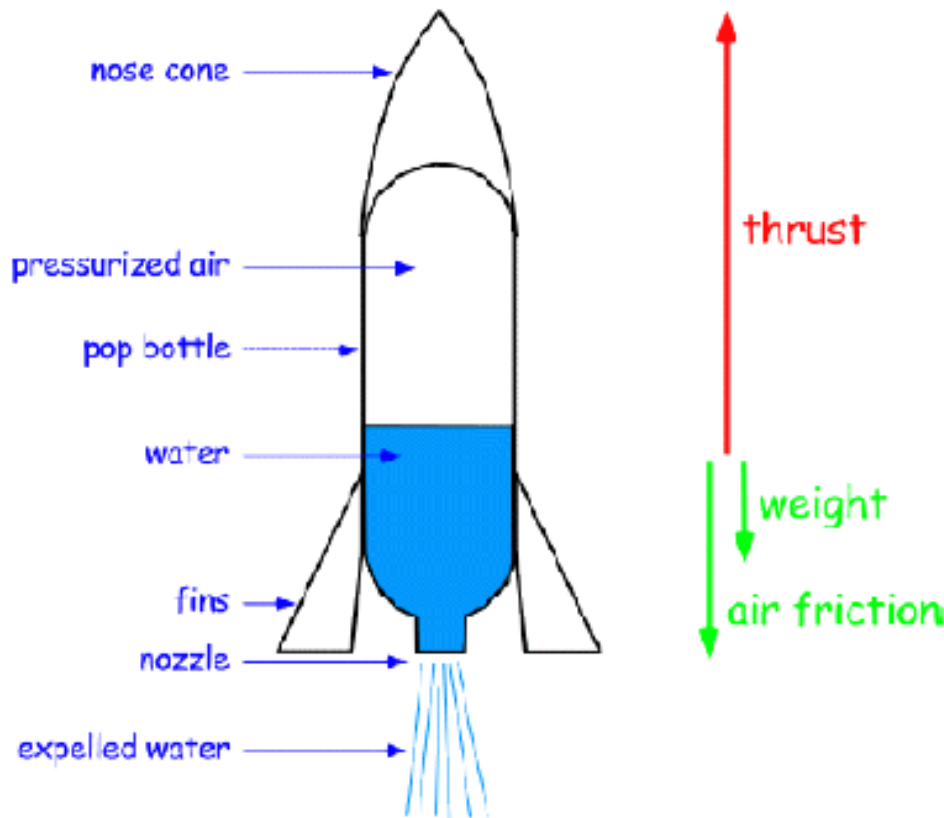
Day 3: Friday, 08 July 2016

1. Programming
2. Marshmallow Guns
3. Races
4. Water Rockets
5. Revisit Favorite Site:
 1. Cascade Falls
 2. Mammoth Cave
 3. Cedar Breaks
 4. Snow Canyon
 5. Volcano
6. Go to New Site
 1. Kanaraville Falls
 2. Spring Hill Canyon
 3. Taylor Creek
 4. Calf Springs Ranch
7. Swimming

Water Bottle Rockets

2-Liter Water Bottle Rockets Overview

Great detailed website: <http://www.et.byu.edu/~wheeler/benchtop/flight.php>



The equation for thrust, caused by water exiting the nozzle, is:

$$T = (P_{in} - P_{out}) \cdot A_n$$

where $P_{in} - P_{out}$ is the difference between pressure within the rocket and atmospheric pressure, and A_n is the cross-sectional area of the nozzle opening. Thrust is dependent on pressure, nozzle diameter. The amount of water dictates how long the thrust force will be applied, and therefore contribute to the rocket's total kinetic energy.

Water Bottle Rockets continued

The following values are the optimal values for maximum height at 90 psi:

- Air/Water ratio = 0.5 liters
- Dry Weight = 220 grams
- Stabilizer Length = 3.5 inches
- Maximum Height = 350 ft (impact pressure = 120 mph baseball pitch)

Water Bottles with thicker plastic (cord strength) can be pressurized greater; many European bottles have much stronger cord strengths than U.S. plastic bottles.

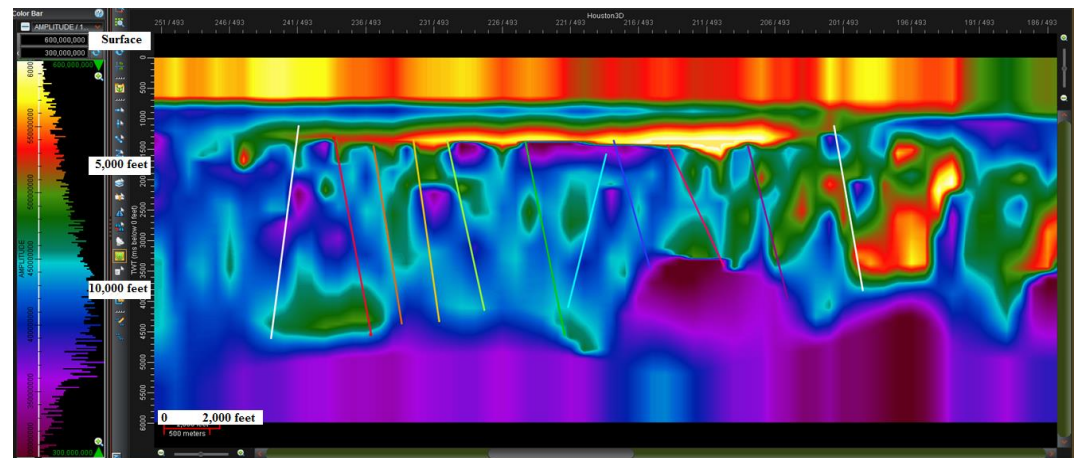
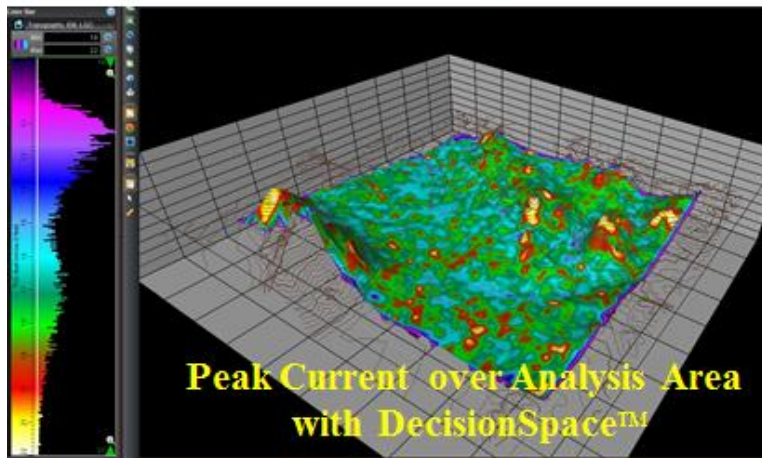
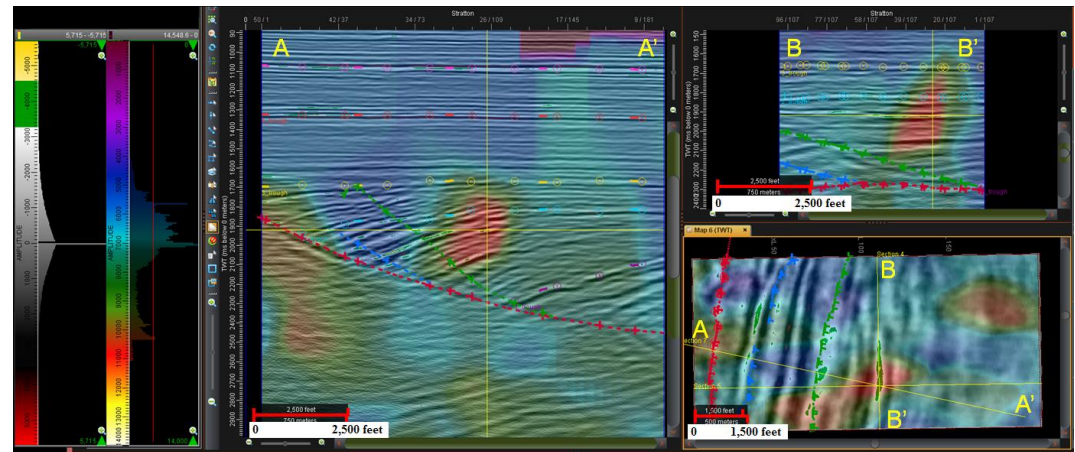
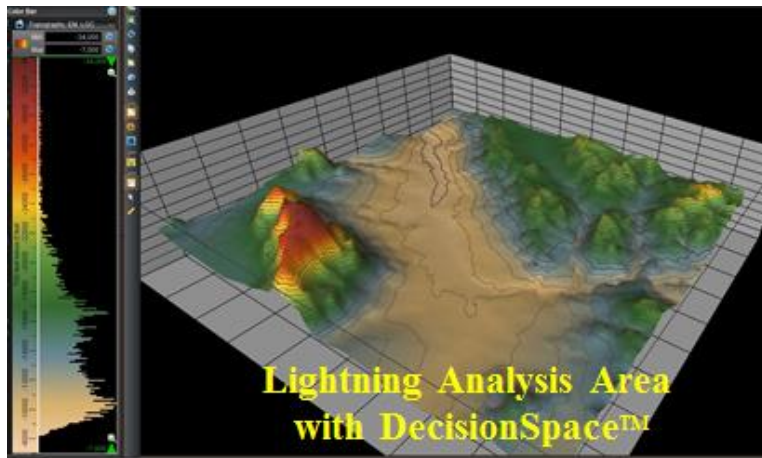
The following mathematical expression yields ~apogee height for a given total flight time:

$$h_{ap} = (g/8)(t_{end})^2 - 3.5 \text{ meters}$$

Water rockets, requiring a largish capacity for air and water, are usually large in diameter, this causing a large amount of drag and limiting the height achieved. However, the impulse rating for even a 2 liter water rocket is normally E - four times the impulse of a pyro motor that can be bought over the counter in a high street toy shop.

Motor Impulse Classes	
Impulse /Ns	Class
$I \leq 0.625$	¼A
$0.625 < I \leq 1.25$	½A
$1.25 < I \leq 2.5$	A
$2.5 < I \leq 5$	B
$5 < I \leq 10$	C
$10 < I \leq 20$	D
$20 < I \leq 40$	E
$40 < I \leq 80$	F
$80 < I \leq 160$	G
$160 < I \leq 320$	H
$320 < I \leq 640$	I
$640 < I \leq 1280$	J
$1280 < I \leq 2560$	K
$2560 < I \leq 5120$	L
$5120 < I$	>L

Status Report on Grandpa's work with Lightning Data



Swimming in Cedar City



Day 4: Saturday, 09 July 2016

- Breakfast at Iron Springs
- Carriage Rides



**Grandma
and
Grandpa's
Garden
@ Grandma
Nelson's
Place**





**Cedar City
Temple
Construction
Progress
28 June 2016**

Howard Roice Nelson, Jr.'s Pedigree Chart



Bengt Nelson, Sr. & Ellen Johnson



Bengt Nelson, Sr.
 Birth: Sep. 28, 1834, Sweden
 Death: Apr. 22, 1919

Family links:
 Spouse:
 Ellen Johnson Nelson (1835 - 1910)

Children:
 Bengt Nelson (1860 - 1926)*
 Henry A. Nelson (1864 - 1864)*
 Isaac Anders Nelson (1871 - 1945)*

*Calculated relationship

Burial:
 Cedar City Cemetery
 Cedar City, Iron County, Utah, USA
 Find A Grave Memorial# 44950809
 Family Search: KWNK-SNL



Ellen Johnson Nelson
 Birth: Aug. 20, 1835, Sweden
 Death: Jan. 10, 1910

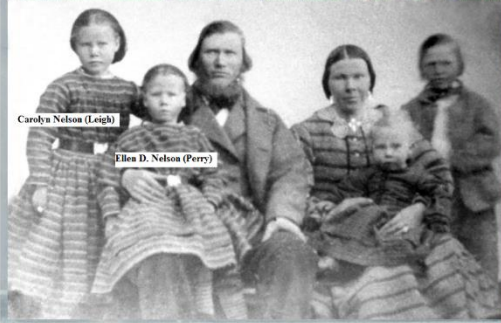
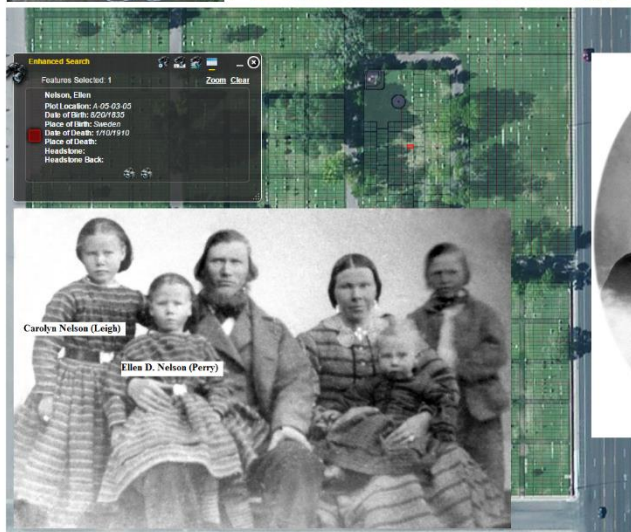
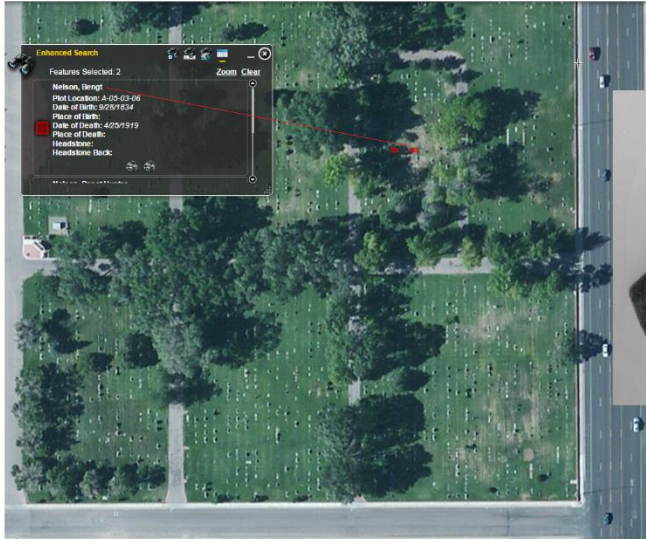
Family links:
 Spouse:
 Bengt Nelson (1834 - 1919)*

Children:
 Bengt Nelson (1860 - 1926)*
 Henry A. Nelson (1864 - 1864)*
 Isaac Anders Nelson (1871 - 1945)*

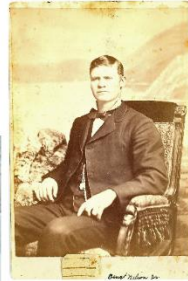
*Calculated relationship

Burial:
 Cedar City Cemetery
 Cedar City, Iron County, Utah, USA
 Find A Grave Memorial# 44950821
 Family Search: KWNK-SN2

	Bengt Nelson 1834-1910 • KWNK-SNL
	Ellen Johnson 1835-1910 • KWNK-SN2
Children (8)	
	Caroline Nelson 1857-1885 • KWVP-NM1
	Bengt Nelson Jr. 1860-1926 • KWPI-894
	Ellen Dortea Nelson 1862-1941 • KWCV-3TX
	Harry Anders Nelson 1864-1864 • KWVP-NM2
	John Peter Nelson 1865-1943 • KWBN-XMN
	Anna Matilda Nelson 1868-1883 • KWVP-NM1
	Isaac Anders Nelson 1871-1945 • KWZS-WGY
	Charles Alfred Nelson 1873-1859 • KWVP-N9G



Bengt Nelson, Jr. & Sarah Catherine Hunter



Bengt Nelson, Jr.
 Birth: Mar 11, 1860
 Cedar City, Iron County, Utah, USA
 Death: Nov 11, 1926
 Cedar City, Iron County, Utah, USA

Son of Bengt Nelson and Ellen Johnson
 Married Sarah Catherine Hunter, 28 Apr 1886,
 St. George, Washington, Utah

Family links:
Parents:
 Bengt Nelson (1834 - 1919)
 Ellen Johnson Nelson (1835 - 1910)
Sponsor:
 Sarah Catherine Hunter Nelson (1867 - 1950)
Children:
 Sarah Stella Nelson Mendenhall (1887 - 1970)*
 Elsa Nelson Mendenhall (1889 - 1959)*
 Roice Bengt Nelson (1891 - 1947)*
 Caroline Euphemia Nelson Benson (1895 - 1983)*
 Anna Matilda Nelson Morrill (1898 - 1977)*
Siblings:
 Bengt Nelson (1860 - 1926)
 Henry A. Nelson (1864 - 1864)*
 Isaac Andrew Nelson (1871 - 1945)*
 *Calculated relationship

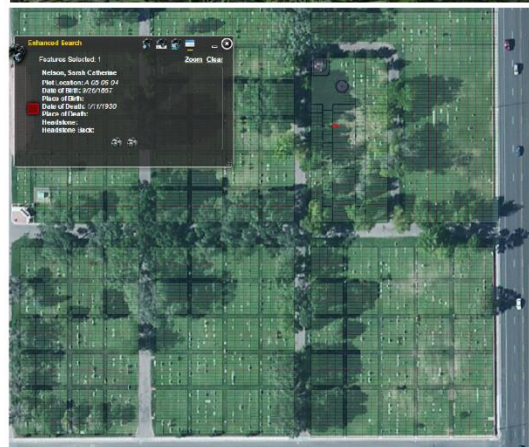
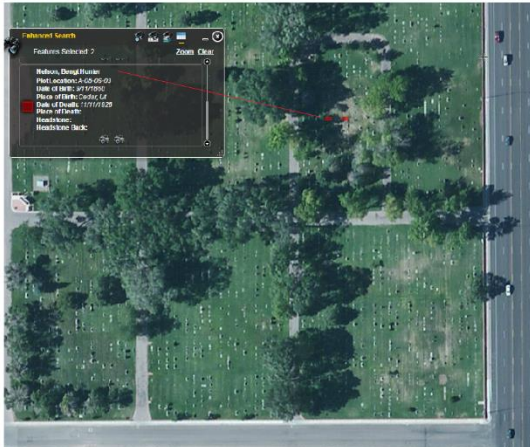
Burial:
 Cedar City Cemetery
 Cedar City
 Iron County
 Utah, USA
 Plot: A-05-03-06
 Family Search: KVP1-694



Sarah Catherine Hunter Nelson
 Birth: Sep 26, 1867
 Cedar City, Iron County, Utah, USA
 Death: Jan 11, 1950
 Cedar City, Iron County, Utah, USA
 Daughter of Joseph Swedson Hunter and
 Eliza Catherine Pinnock
 Married Bengt Nelson, 28 Apr 1886, St. George,
 Washington, Utah

Family links:
Parents:
 Joseph Swedson Hunter (1844 - 1904)
 Eliza Catherine Pinnock Hunter (1846 - 1913)
Spouse:
 Bengt Nelson (1860 - 1926)*
Children:
 Sarah Stella Nelson Mendenhall (1887 - 1970)*
 Elsa Nelson Mendenhall (1889 - 1959)*
 Roice Bengt Nelson (1891 - 1947)*
 Caroline Euphemia Nelson Benson (1895 - 1983)*
 Anna Matilda Nelson Morrill (1898 - 1977)*
Siblings:
 Joseph Henry Morton Hunter (1865 - 1928)*
 Sarah Catherine Hunter Nelson (1867 - 1950)
 William Pinnock Hunter (1869 - 1918)*
 Euphemia Pinnock Hunter Dotson (1875 - 1938)*
 Alexander Pinnock Hunter (1887 - 1888)*
 *Calculated relationship

Burial:
 Cedar City Cemetery
 Cedar City, Iron County, Utah, USA
 Plot: A-05-03-04
 Find A Grave Memorial# 43432361
 Family Search: KWCN-GP7



- PEOPLE IN THIS PHOTO
- Bengt Nelson Jr.**
Bengt Nelson Jr.
(1860-1926) KWV1-894
 - Sarah Catherine H.**
Sarah Catherine Hunter
(1867-1950) KWCN-GP7
 - Joseph Hunter Ne...**
Joseph Hunter Nelson
(1906-1985) KWZD-48Y
 - Sarah Stella Nelson**
Sarah Stella Nelson
(1887-1970) KWJ8-Z27
 - Roice Bengt Nel...**
Roice Bengt Nelson
(1891-1947) KWJ3-6FF



- PEOPLE IN THIS PHOTO
- Bengt Nelson Jr.**
Bengt Nelson Jr.
(1860-1926) KWV1-894
 - Sarah Catherine H.**
Sarah Catherine Hunter
(1867-1950) KWCN-GP7
 - Joseph Hunter Ne...**
Joseph Hunter Nelson
(1906-1985) KWZD-48Y
 - Sarah Stella Nelson**
Sarah Stella Nelson
(1887-1970) KWJ8-Z27
 - Roice Bengt Nel...**
Roice Bengt Nelson
(1891-1947) KWJ3-6FF

- Elsa Hunter Nelson**
Elsa Hunter Nelson
(1889-1959) KWJ3-2Y5
- Eliza Ellen Nelson**
Eliza Ellen Nelson
(1893-1968) KWZ6-BW2
- Claud Emmott H...**
Claud Emmott Hunter
(1894-1948) KWZ6-4C2
- Peter Fife Bulloch**
Peter Fife Bulloch
(1888-1963) KWZ6-BWL
- John William Men...**
John William Mendenhall
(1881-1978) KWJ3-2YM
- Caroline Euphani...**
Caroline Euphemia Nelson
(1895-1983) KWZ6-2N2
- Anna Matilda Neis...**
Anna Matilda Nelson
(1898-1977) KWZ6-4C2

- Elsa Hunter Nelson**
Elsa Hunter Nelson
(1889-1959) KWJ3-2Y5
- Eliza Ellen Nelson**
Eliza Ellen Nelson
(1893-1968) KWZ6-BW2
- Claud Emmott H...**
Claud Emmott Hunter
(1894-1948) KWZ6-4C2
- Peter Fife Bulloch**
Peter Fife Bulloch
(1888-1963) KWZ6-BWL
- John William Men...**
John William Mendenhall
(1881-1978) KWJ3-2YM
- Caroline Euphani...**
Caroline Euphemia Nelson
(1895-1983) KWZ6-2N2
- Anna Matilda Neis...**
Anna Matilda Nelson
(1898-1977) KWZ6-4C2

- McNore Nelson**
McNore Nelson
(1909-1999) KWCN-GGK
- Anna Matilda Neis...**
Anna Matilda Nelson
(1898-1977) KWZ6-4C2

Roice Bengt Nelson & Emma Lambson

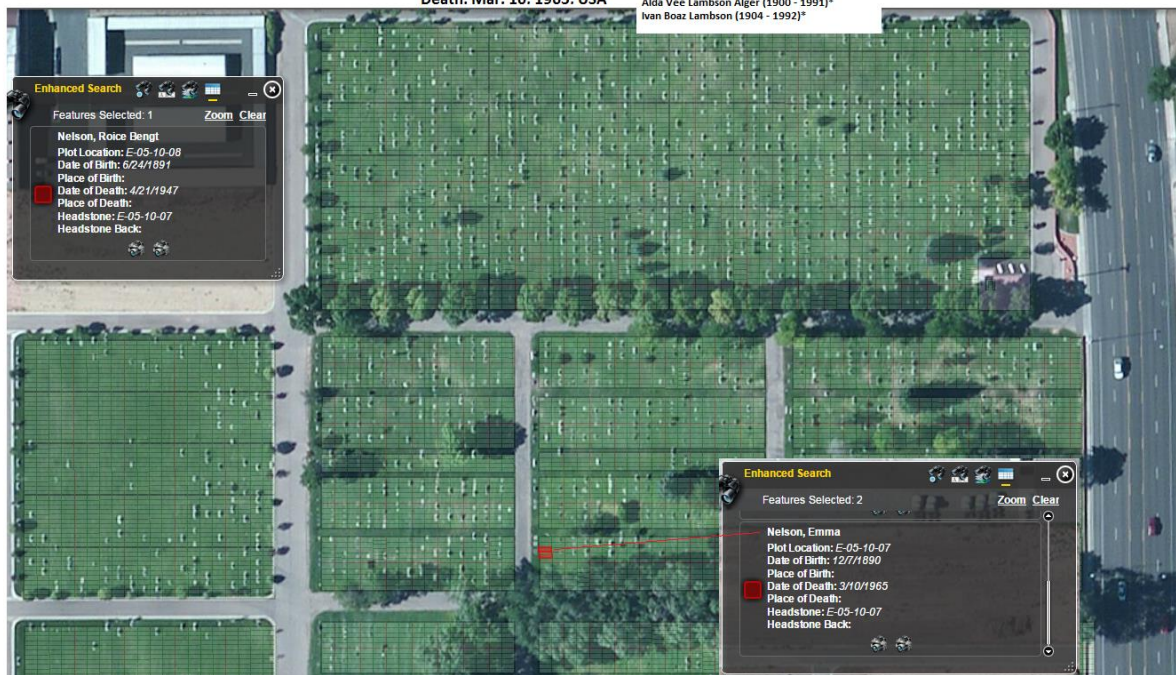


Roice Bengt Nelson
 Birth: Jun. 24, 1891 Death: Apr. 21, 1947
 Cedar City Iron County
 Iron County Utah, USA
 Utah, USA

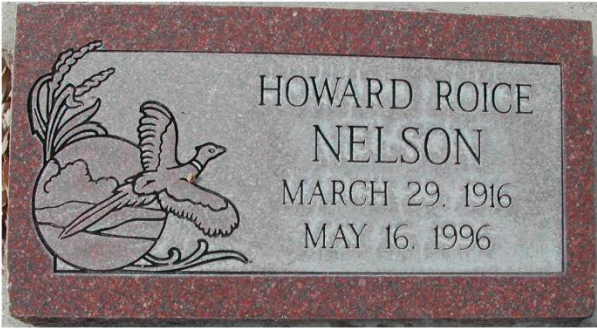
Emma Lambson Nelson
 Birth: Dec. 7, 1890
 Sterling
 Sanpete County
 Utah, USA
 Death: Mar. 10, 1965. USA

Siblings:
 Sarah Ellen Lambson Samuelson (1882 - 1975)*
 Apolles Lorenzo Lambson (1884 - 1955)*
 Almon Marion Lambson (1885 - 1908)*
 Arbie Lambson (1891 - 1892)*
 Edward Lambson (1893 - 1893)*
 Gus Lambson (1894 - 1966)*
 Alda Vee Lambson Alger (1900 - 1991)*
 Ivan Boaz Lambson (1904 - 1992)*

Dick, Howard, Bud, Ted, Marie, Clara Jean,
 Shirley, Emma, Beverly, Roice, Luana,
 Darrell



Howard Roice Nelson, Sr. & Pauline Hafen

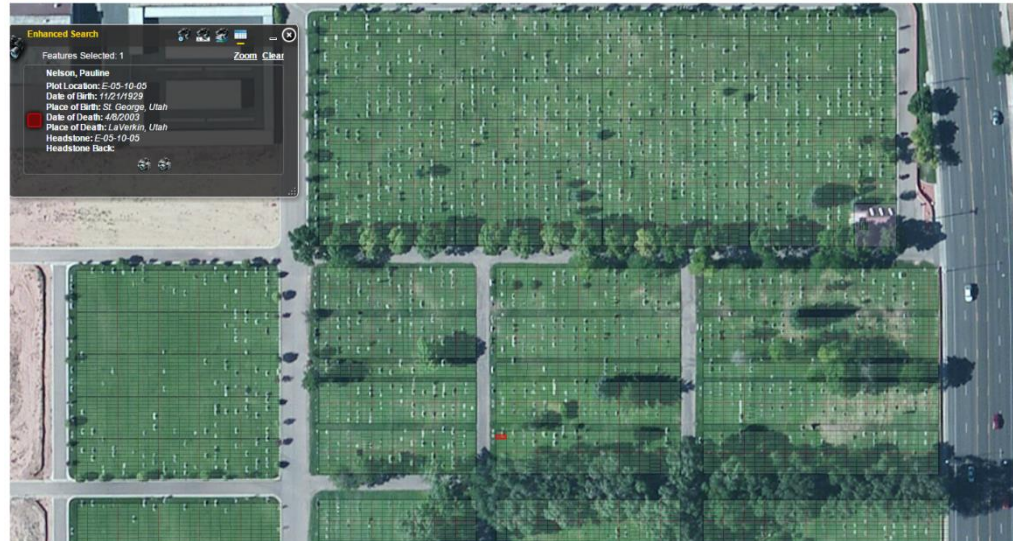


Howard Roice Nelson, Sr.

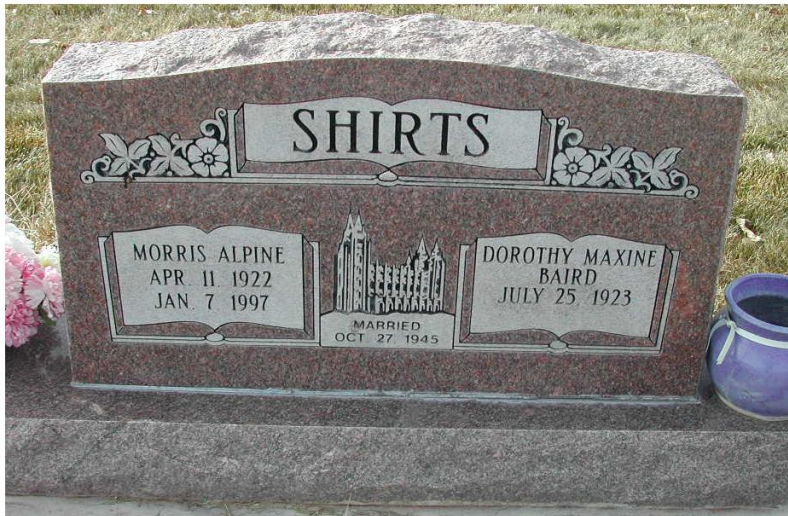
Birth: Mar. 29, 1916
 Circleville
 Piute County
 Utah, USA
 Death: May 15, 1996
 Cedar City
 Iron County
 Utah, USA
 Family Search: KW8Z-VW7



Birth: Nov. 21, 1929
 Saint George
 Washington County
 Utah, USA
 Death: Apr. 8, 2003
 La Verkin
 Washington County
 Utah, USA
 Family Search: KW8Z-VWH



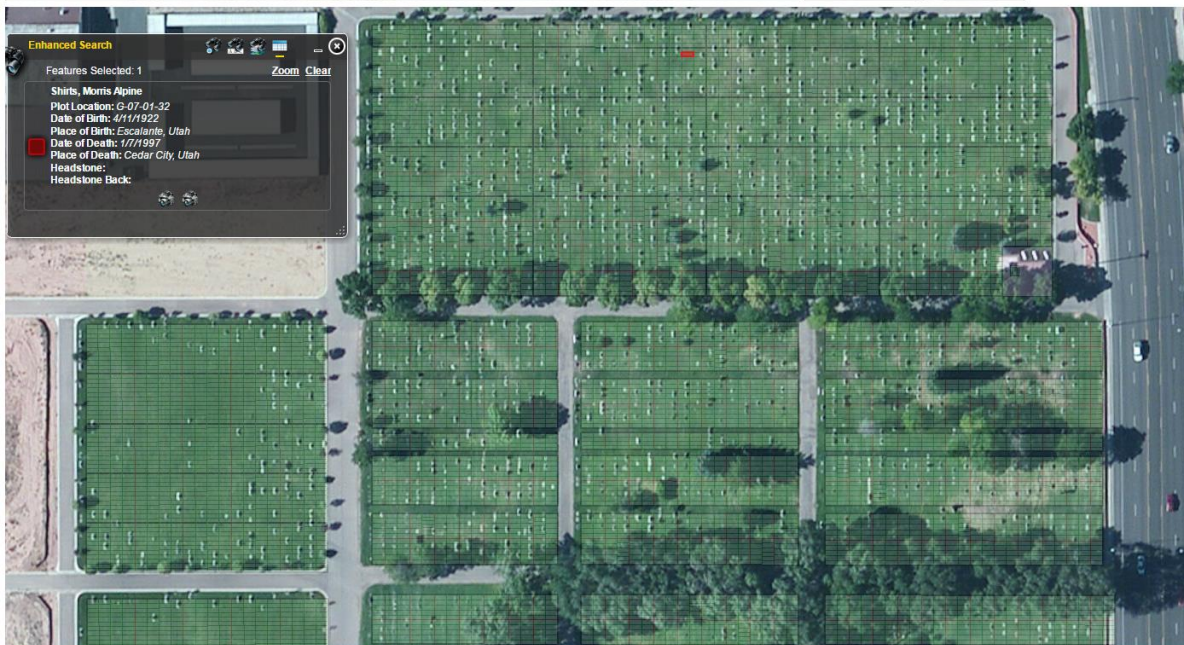
Morris Alpine Shirts



Morris Alpine Shirts

Birth: Apr. 11, 1922
Escalante
Garfield County
Utah, USA
Death: Jan. 7, 1997
Cedar City
Iron County
Utah, USA

Family Search: KWZW-36F



2016 Science Camp

- What was best about 2016 Science Camp?

- _____
- _____
- _____

- What would be your ideal 2017 Science Camp Theme?

- _____
- _____
- _____