

**Enchanted in The Land of Enchantment**  
**Poems, Prayers and Promises**  
**For The Homeless**  
With  
**Pictures of Glory**  
Mostly From a Cell Phone  
&  
**How to Build a Free Tiny Home**  
By  
**Jeff Thomson**  
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**Gretchen Maggie Thomson**  
**Child of Light**

## **About Me**

I have worked since I was twelve. I began working for my father as a typewriter, photocopier and calculator mechanic 1972. I also began as a salesman for him at about this time knocking door to door in our neighborhood selling Novus and Olivetti Calculators, IBM Typewriters. I began programming on his punch card Olivetti A5's in about 1975. I served a Mormon mission from 1980 to 1982 in The Michigan Lansing Mission and was a Senior Companion, Trainer, District Leader and Zone Leader. When I came home my mom had cancer and I wound up starting a company that eventually had my dad, brother and sister working with. I put myself through school and I hold a BA in Business Management with a Marketing Emphases. I also hold a BS and a Masters degrees in Computer Science and I did my course work in Computer Science and was planning on finishing my PhD in Electrical/Computer Engineering and Computer Science in Canada, "I Love Canada and America"! I have been a salesman, mechanic, minister, entrepreneur, teacher, professor, researcher, and college dean. I am the father of four daughters, two grandsons and two granddaughters, "One in Heaven". I have been an athlete all of my life and some of my favorites from my youth are and were wrestling, boxing, martial arts, all forms of skiing including extreme skiing all over in Western US and Canada. I have lost bodily parts, gained new ones and I have only seen my own bones a few times,"another way of saying that I am having a bad day"! One self amputation, "reattached", two partial amputations, 8 bolts in two knees and a stainless steel rod up my left ulna that I have had since 15. I still Love back country skiing and touring. I have been writing poems for most of my life. I am not affiliated with any specific religion now, but I do visit numerous churches, synagogues and I love to learn from my friend at the Imam of Albuquerque Islamic center. I am a Christian and have been greatly influenced by The American Christian Mystic and Eco Prophet John Muir who memorized the Bible cover to cover. I study Christian mysticism. I have been an activist in eco causes and my oldest daughters rode in Congressman Wayne Owens Float in the 4<sup>th</sup> of July parade the year that he successfully got wolves reintroduced into Yellowstone. My former girl friend was the lead negotiator for Washington, for Hanford and Kalamath. I Love the scriptures and read them everyday. I have had a life long Love affair with learning and reading even though I got a very slow start. I dabble in writing a little in Latin and Hebrew and I have a book of my funny stuff is coming out soon. I am profoundly dyslexic and more Profoundly Happy, Joyous and Blessed. I hope to help put poor people into homes, make sure that they have enough to eat and I Love to Teach. I would ask you to give back if this little book helps you. Go onto [Familyhappytogether.org](http://Familyhappytogether.org) and on the donations page please give. None of the your donations will go to salaries. And I solemnly promise that I will practice what I preach and live the rest on my life in a tiny home no matter how big the ministry gets. My Grandpa's old Omega is the only watch that I will ever wear, no expensive pimp rides, jets or such foolishness. A servant is not greater than their Master!

### **My Favorite Scripture is**

Matthew 25:40

In as much as you have done it unto the least of these  
my brothers and sisters you have done it unto me.

## Preface

You are scared, facing homelessness and so planning will immediately help you. You can build a tiny home for free or near free just on the billions that Americans throw out, "I just did". This crisis maybe the greatest blessing of your life. Your children and you may now get time together. Likewise with your other.

The blessings of rethinking and living your life is so much more fulfilling at it will convince those not facing layoffs or crisis that this kind of living is a far superior and happier way to live.

You could wind up working far less, enjoying life far more. Being with your children and telling yourself that never seeing them is doing for them is a lie to yourself and your children. Don't trade the time that you and your children deserve together for stuff that you will never get enough of in the delusion that you are doing it for them. If this little book helps you then go onto the donations page and help. Not a cent will go to salary's. And I promise no matter how successful the ministry is that I will live in a tiny home for my life. No jets, no Rolex's, and no pimp rides. *And Jesus said unto him, Foxes have holes, and birds of the air have nests; but the Son of man hath not where to lay his head.* Is the servant greater than the Master?

**This crisis can be turned into your families greatest blessing in disguise!**



## Acknowledgments

I have so much to grateful for. I am looking at my wall on my tiny home where are my heroes. In the middle is that picture of JFK. To the left is the family rules to Always be Kind Hearted and Always be Honest. To the right is a picture of Maggie and below them is my dear Grandpa and Grandma Jerry and Bernice Lasater. No son has ever been more loved than I was by them. When I was born my mother had toxemia and was in the hospital for over a month and so I went home with them. I am told the child's natural bonding occurs at this time. God has seen fit to try me with many blessing as he has chastised through my life. My earliest problem was anaphylactic shock, "respiratory failure". I can not tell you how many times that I have rode in the back of an ambulance wondering if I would live. The last time in an ambulance, "not the ER, I drove myself two Aprils ago" was three Aprils ago when at the Rio Grand Nature Center I had forgot both my liquid benadryl and my epi-pen. When they found me I mp BP was 40/30 and I stood at the veil. The light and the profound love are real I have seen it and felt of it, I begged please Father if I am to lose my family just take me home, but Father Always Knows Best! Maggie begged her mama to drive the five minutes to see me in the ER but unfortunately her mama had, had a hard day and was just to tiered to drive Maggie to see her Dada in the ER. And so when I was released into a bus stop the smoking was hell. I did not have to walk ten miles home that night or I would have never written this.

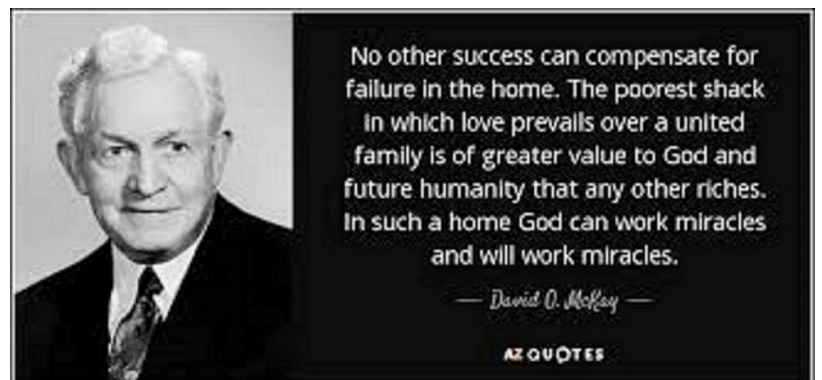
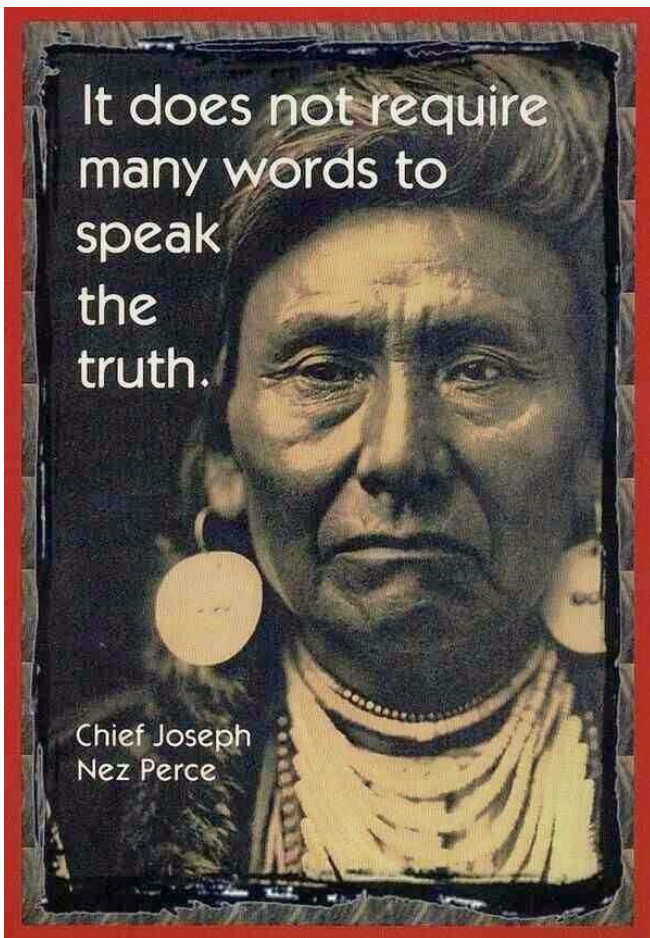
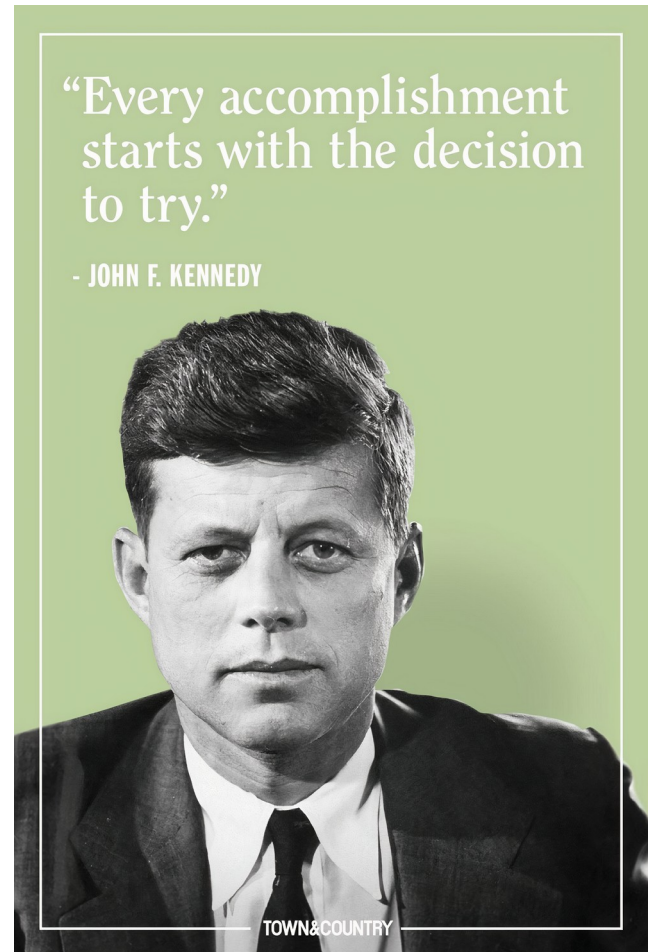
My Grandma and Grandpa half raised me. My mom worked and my grandma would pick me up from school many days. When I would go into shock it was my grandma who would pick me up. No son has ever been more loved than I was. My grandpa would pay me to paint his fences or barn, it was the only job that I got paid for growing up as I worked in my fathers business to help feed our family. Grandpa would pay me \$10 to pick his strawberries with him, "the only job that I ever got paid for by gorging myself with strawberries that I was being paid to put in a basket".

I am so grateful for music. I was just considering a position as an associate pastor. And the nice church lady said that I had a very very powerful voice with great love, "not beautiful, but well off". So I love to sing and these wonderful people have zero idea who I am, but I sure know who they are. They carried me through a very dark time and I owe my life to them. Alabama, The Mormon Tabernacle Choir, The Kings Choir, Alan Jackson, George Strait, Randy Travis, Josh Groban, Alison Krauss, Faith Hill, The Piano Guys, Jon Schmidt, Steven Shape Nelson, "If your grandpa Theodore's name is carved in the rock of Capital Reef National Park or if Caroline who came to Utah at about Maggie's age in the Willie company then we are cousins", Al van der Beek, Paul Anderson, Ted Stewart, Alex Boyle, David Archuleta. So Piano Guys and Alison you guys should jam together it would Rock! And if my plan to end homelessness works as good and decent as you all are would you comp me some tickets?

I am grateful for my daughters, Stephanie, Emily, Becky and Maggie and some day hope to see them again. My little Granddaughter Kendra was so good that she only had to do three and a half months in this mortal probation and passed from her mothers loving arms into Jesus's loving arms the day after Christmas. His kindness bewilders me. I am also grateful for my other grandchildren.

I also wish to express my profound gratitude for my Savior. No son of God has ever been more blessed than me while deserving so little. I grateful acknowledge Jesus of Nazareth Savior and King!

## These Great Leaders Got it Right!



David O McKay former President of Weber State University  
Where I graduated Summa Cum Laud in Computer Science and  
Where I taught in the Computer Science and Mathematics Departments  
My Grandpa Considered Him His Best Friend

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## Enchanted in The Land of Enchantment

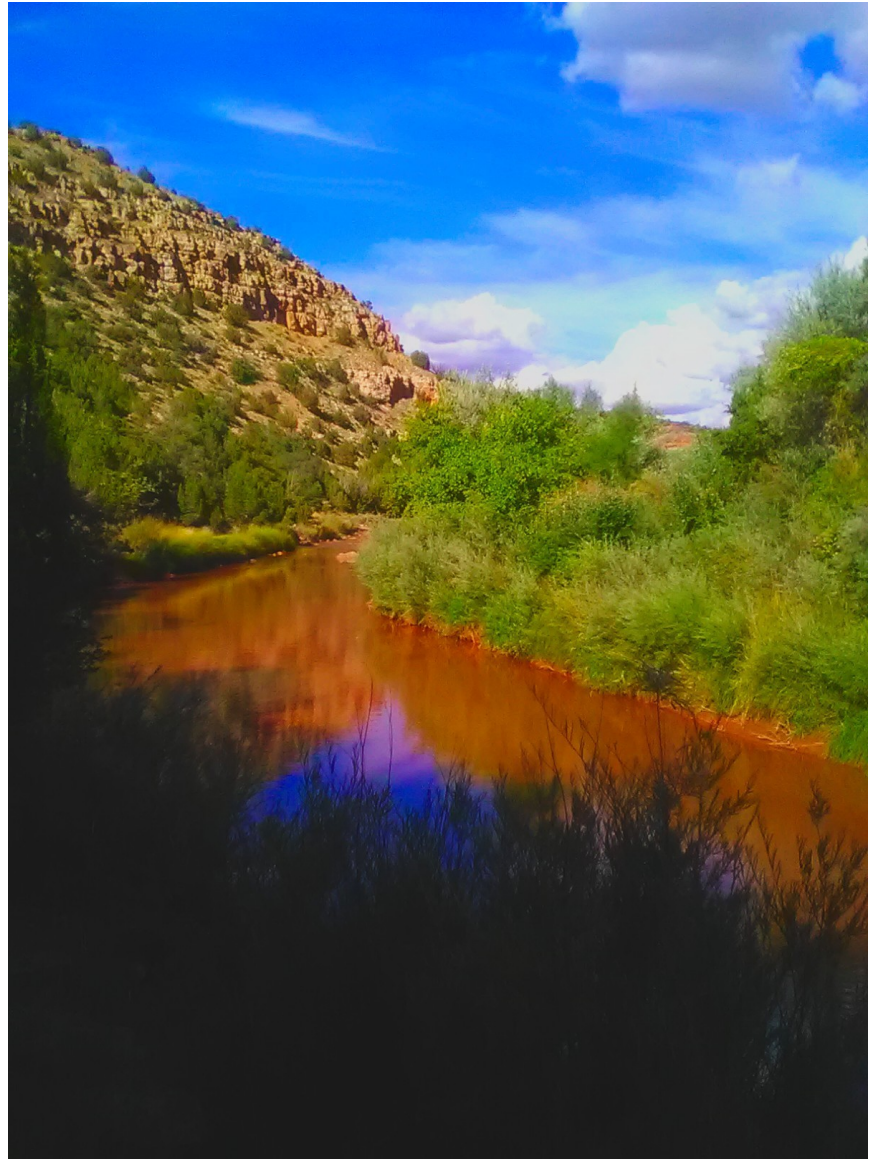
Bluffs, Mesa's, Spires and  
Mounts There be.

Supernal, Ennobling,  
Warming, Healing Set Me  
Free.

Pines, Pinyons, Craggs,  
Rocks, Deserts & Forest  
there be.

Quite, Sensual, Dancing,  
Warm Raining, I Come to  
Thee. Whirling, Twirling,  
Glowing Deep Brown Eyes,  
Oh Hypnotize Me.

Enchanted in The Land of  
Enchantment Angels Be.





# Your Facing Homelessness

## Now What?

You will need to get your head right and here are some things that you can do

1. Learning Breathing for stress. 4 7 8 breathing is famous. Breathing exercises are used by The Navy Seals. It works! Get in good posture and take a deep breath in through your nose for a 4 count. Then exhale deeply through your mouth for a 7 count and then hold your breath for an 8 count. Try it a few times and see you will feel better. Go to the videos link on [Familyhappytogether.org](http://Familyhappytogether.org) for links to experts help.

2. Lose all sugar for two weeks, "including fruit juices". This will transform your life as it did mine. See the Doctor on the videos link on [Familyhappytogether.org](http://Familyhappytogether.org). Links to Dr Weir, "I personally do use a little organic raw honey because of my allergies. Great news my little sister just cured Allergies, neuro-pathic pain, cancer, Alzheimer's, etc with her RNA fix.

3. Lose the alcohol, "do you want to suffer or do you want to be happy that simple. See the links on the site.

4. Lose all gluten and learn Dr Gundry's Plant Paradox on the site. I use oatmeal and other Doctors also soften Dr Gundry's advice on oatmeal. See the videos link on [Familyhappytogether.org](http://Familyhappytogether.org)

5. Pray and Meditate. Learn not just to talk but to listen as well. See links on the site for mindfulness. Listen to others with mercy and compassion. It is so helpful to the other person just to listen and let them get everything out. Don't interrupt your loved one it is rude, and it just will make things worse. Especially if you don't agree with something just let them get it out. Jot down points if needed, but sometimes if you listen this way the other person sees that you are not counter attacking and then this helps them remember their love for you. They may even come to a point of agreement that you will never argue out of them. In these times the last thing that you want is contention of a fight. So listen to your loved ones with Kindness!

6. Americans throw out billions if not trillions each year and you can live in and feed your family just by knowing how to use what others waste!



## A Happy Clan

There Once was a Place of  
Wonder Where Dwelt a  
Small and Happy Clan.

With Maids and Lads Who  
Danced to a Lute and The  
Song of a Flute. And Lead  
by a Happy Man.

But Nay be a Man in Gods  
Happy Plan who is  
Without One.

For to be Whole He Must  
be One.

Tis With One Himself His  
Journey Must Start and  
With His They Two Must Be  
One.

And to His Lass and Be for  
She too Must Lead Their Happy Clan.

As Wife and Her Man These Two Shall be One, O What a Happy Clan.



## How to Build a Free Hob Fireplace

Or nearly free. This can be made into a furnace too.

Ingredients: Straw, Clay Soil, "Like the adobe of New Mexico" and Sand, "Depending on what You build and your soil".

1. Mix soil and straw dry with sand if used
2. Add water
3. Mix and keep adding water until muddy
4. Once muddy and coated add more straw until the mix is very heavy and all coated with straw it can now be used like bricks.
5. The Hob must be supported or allowed to dry as slowly made.
6. Hob can take a long time to dry.



Go to [Familyhappytogether.org](http://Familyhappytogether.org) "Make it Free" for more instruction and a detailed walk through the process.

Please Donate and help others.

## Lighting

From Dusk's Storms Clap the  
Jagged Light to Burst, Illum far  
Mount We See.

So Fleet Then Dark and Nair  
There be and Bursts Yet  
Crackled Blue Ice on Mounts  
Illum.

Jagged Peaks We See From  
Peaks Forlorn the Explosion  
Temp There Be.

Then Dark Stay Long Nair Rest  
Shall Stay.

For Nights Tempest Rays  
Those Mounts Illum Whose  
Jagged Peaks Now Seen How  
Fleet They Be.

From Dusk's Storms Clap We  
Hold Nair Shiver You and Me.  
Far Crackling Jagged Fingers  
Be.

## How to Get Free Lumber

Build Your Home, Barns,  
Planting Beds & Greenhouses

Do you realize that we produce about 500 million pallets a year in the US alone to replace the worn pallets that we discard each year?

Google April 6,2019

Some pallets are toxic and you should not use them. If the pallet is stamped with MB it means Methyl Bromide & You don't want these pallets. There are other pallets that you don't want to use.

Most pallets are fine. All kinds of companies throw out pallets and they are happy to have you come and get them. Trucking companies, dumps, and all manor of business's throw out pallets.

Places to find pallets are Craigslist, Facebook Market Place and your local dump are just a few places to start.



Familyhappytogether.org "Make Your Home Free" has links for Information on Safety & Ideas

## Winter Forest Snow

Quite Forest in Still, Still Somber  
Lightly Flakes of Winter. Their  
Dancing Past Pines Now  
Burdened.

Now Heavens Comes the Pure  
Crisp Color of Winter Forest.  
Autumn's Yellow Grass Now  
Covering Comes The White of Pure  
Now End to End.



To Fall and User in New Sparkle  
Cold Kissed. The Trunks Now  
Ascending as The Flakes  
Descending.

With Branches Now a Sagging on  
Bows of Winter Forest Snow.

## How to Build a Solar Oven for Free

Or near Free. Over ten years ago I built my first solar oven with a cardboard box and aluminum foil. Then I built a fancy one out of an old cheap briquette barque that I lined with aluminum foil and I made chicken and rice.

This oven is based upon a great video on Youtube that I have the link posted in the Videos & Near Free living link on [Familyhappytogether.org](http://Familyhappytogether.org). I did not make mine exactly like theirs. I did not use insulation and I got 12 by 2 oak planks from a giant pallet, "Free is the operative term". I also made it bigger so that I can heat up 6 one gallon water jugs. I can put them in the home when I am not cooking for some heat.

RTV Blue under 10 dollars,"high temp auto gasket silicone".



[Familyhappytogether.org](http://Familyhappytogether.org) links, "Videos & Near Free Living" and "Make Your Home for Free".

If this helps you then please help others by a tip on the Donation page.

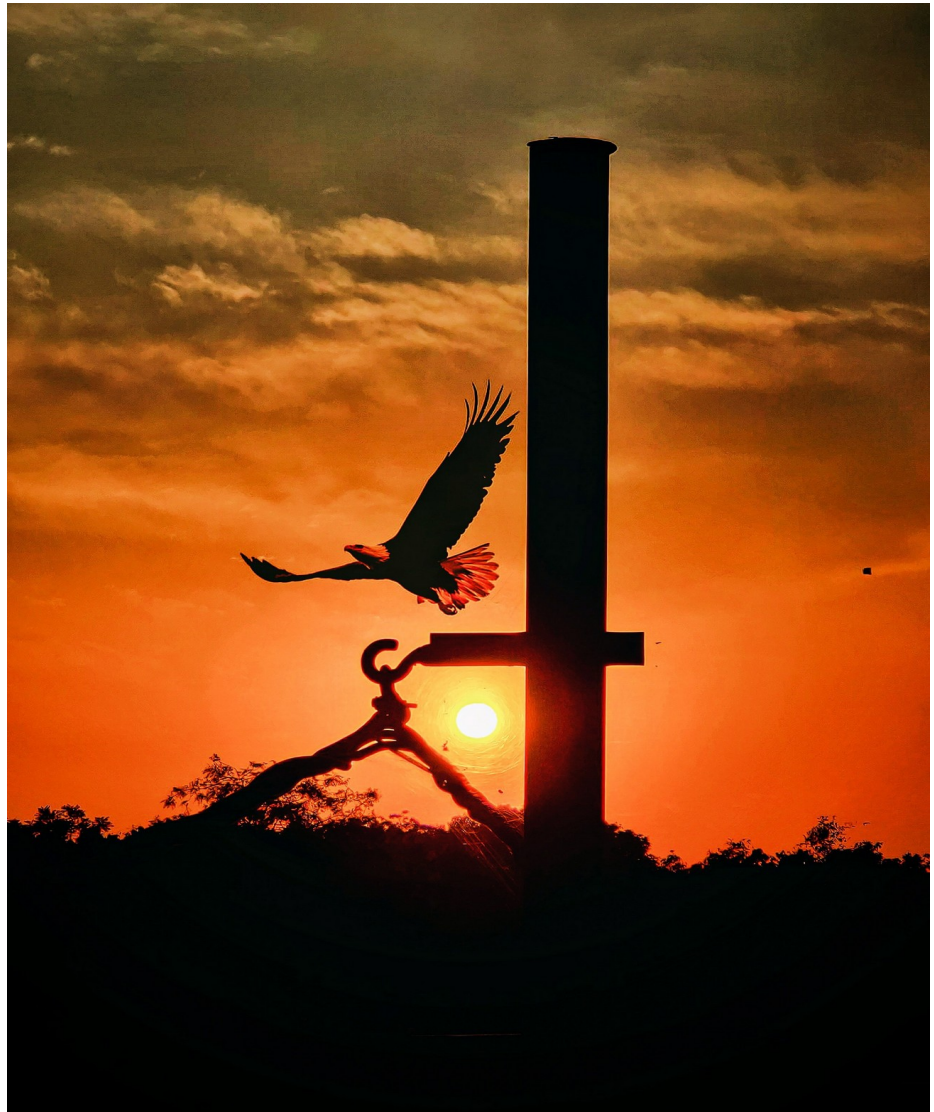


## I Fly The Sky

Above The Earth So  
High, Fast and Fleet Not  
to Wander Upon My  
Feet.

But in Through Clouds  
Eagles Soar and Hawks  
Float There Rest.

For if I Sail too Fast Then  
It Will all be Past.



\_ Thanks to Shazli Wagas from [unsplash.com](https://unsplash.com) for the image.  
Please help me help others by any kind gift on the Donation page.

## How to Build a Solar Food Dehydrator

This picture of a nice solar food dehydrator I got from [theselfsufficientliving.com](http://theselfsufficientliving.com).

Notice that there is no fans or electricity needed. Since warm air rises as the air heats up it is pulled in on the bottom, heated and then rises out of the top of the dehydrator.

You will want a dehydrator to save on refrigeration/freezing. They both take a lot of electricity which translates into big cost. So the idea is to eliminate electrical use and thereby eliminate a very expensive and unnecessary cost.

Anyone's aim should be to keep as much as they have on 12 volts. Inverters to controllers cost less. Pushing electricity up to 110 takes electricity it's self and some times is more than what you are trying to drive, "like your light(s)". So run 12 volt lights when you can.

Use this kind of thinking and you will save tens of thousands.



[Familyhappytogether.org](http://Familyhappytogether.org) links, "Videos & Near Free Living" and "Make Your Home for Free".

I have a wonderful friend a man, a man of color who gave his leg for his country in Vietnam and he deserves better than to beg his bread on a corner. When Donations reach the point he gets to come in.

## A Warm Night in Desert Supernal Solitaire

The Day Hath Been  
Spent and Sun Hath  
Flown From The West.  
No Trace of Orange  
Left.

Now The Star of Night  
a Warm Gentle Breeze  
Rustles The Tree's.

Scrub Oak and Pinons  
with Their Embracing  
Dance.

The Breeze Still Warm  
With Mixed Aroma, Wild  
Rose, Yucca, Cactus,  
Ceder Scent.

The Screech of an Owl,  
The Songs of Coyotes and  
The Rejoined of Small  
Tripping Desert Brook.

There is Supernal Peace  
Here. All Is Still Here in  
This Moment. We Find  
Peace in A Warm Night in  
Desert Supernal Solitaire.



## Nearly Free Green Houses

Greenhouses are nice to grow your food. But a greenhouse can also dual purpose to sever another important function in your building a tiny home. My greenhouse is an effective thermal barrier to the cold. This is my south face. There are many days that the outside temperature can range from the teens up to the forties. I have spent many days in the winter with the wind lashing my south facing wall with the temperature in the twenties. So with greenhouse on my south facing wall. The wall temperature maybe 80 with no wind vs 20 with driving winds hitting my south wall. This is big in terms of reducing the energy that it takes to heat the tiny home.



Familyhappytogether.org links, "Videos & Near Free Living" and "Make Your Home for Free".

If this helps please give back and pay it forward on the Donations page.

## Hope

When Driven to my Knees  
and Filled With Despair.

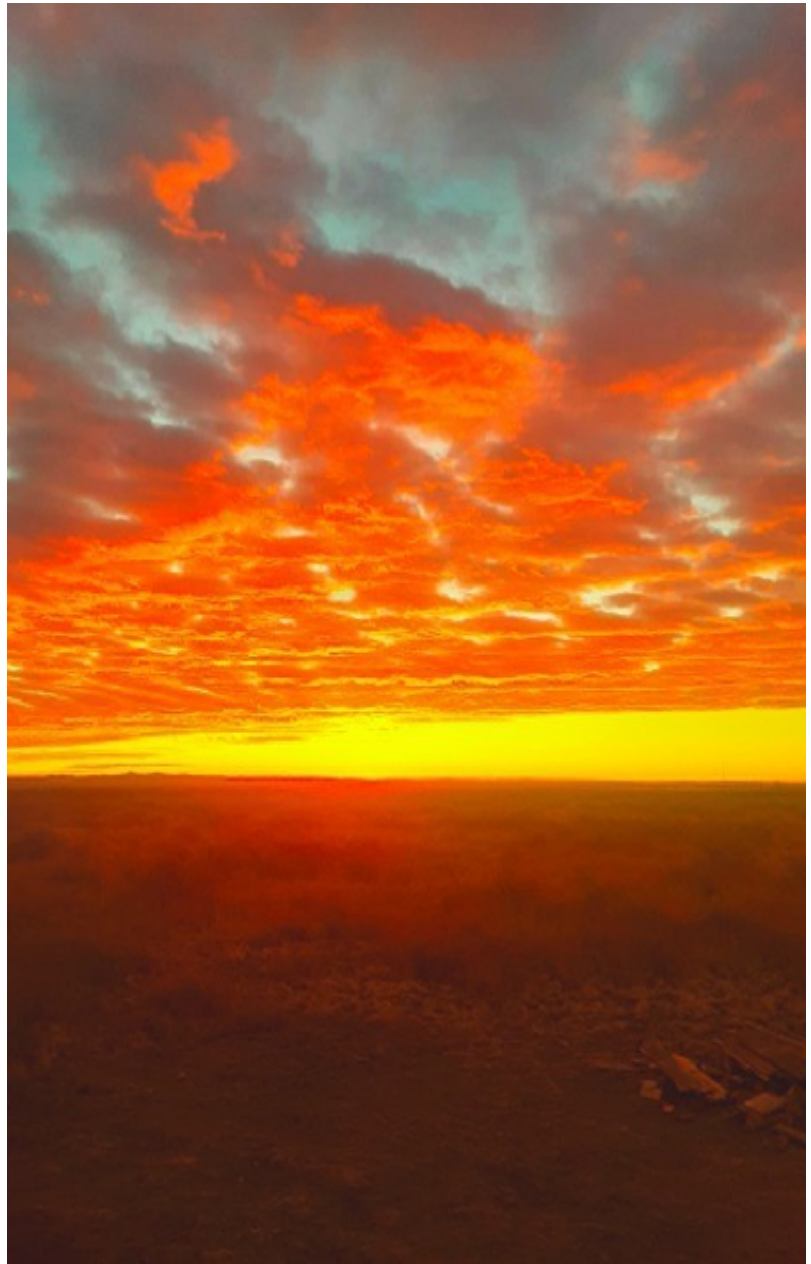
I Strengthen Myself With  
That You That You Are  
There.

Hope is a Choice That I May  
Voice.

That You Will so Near and  
Me so Close to Make My Life  
Clear.

Hope is Not to See But  
Rather a Choice Where I  
May Flee.

With Blessings That Come to  
Me. And to Thee All Glory  
Be. And When My Faith  
Bends and Sorrow Seems  
My End Then Hope Be My  
Friend.



Sunrise in my Tiny Farm in Central New Mexico.

Sunrise would be better for you if you wake up warm with a roof over your head. Donations Page.

## Composting and Composting Toilet

Composting toilets are great! They cost nearly nothing. I get 5 gallon buckets with a top for about five dollars. And I bought the, "Emergency Zone Brand Honey Bucket Emergency Toilet Seat, Single Pack" on Amazon for 13 dollars. Think about this approach vs a septic tank. Septic tanks are expensive to put in and have to be maintained. They take two scarce resources,"water and manure" and turn them into a poison pit that costs to be maintained. Vermiculture means raising worms. You can get worms at your worms at your nursery and garden center. I throw all of my paper, other manure & cardboard in. I use compressed wood pellets \$10 per month, "but saw dust works too & can be obtained free".



Familyhappytogether.org links, "Videos & Near Free Living" and "Make Your Home for Free".  
Like to eat? Me too, so help someone who has not had enough. Donations will never pay salaries.

## Where Did Time Go?

We Hurl so Fast and Yet  
Seems so Slow.

On Wings of Eagles and  
Lighting Doth Time Go.

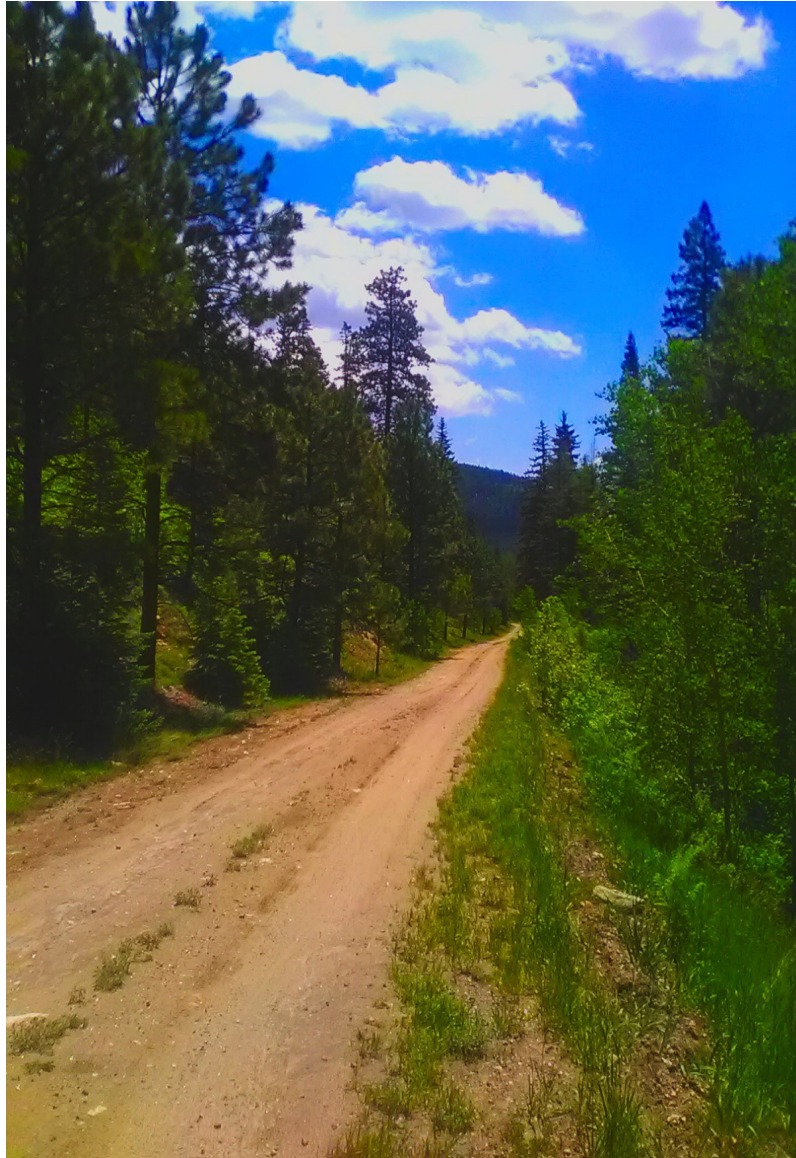
And Yet it Seems so  
Slow.

My Life is As a Blink of an  
Eye.

Further and Further Down  
The Path do I Sense The  
Speed Grows Fast.

Faster and Faster Till No  
Time is Left.

On Wings of Eagles and  
Lighting Where Did  
Time Go?



I took this above Las Vegas, New Mexico.

This Earth is Just to rich to have hungry children. Donations are Appreciated!

## DIY Solar Electricity for under \$300

I buy Rich Solar 100 Watt 12 Volt panels on Amazon for 82 dollars. And a EEEKit 30A Solar Charge Controller on Amazon for 14 dollars. An Ever Start Lead Acid Marine & RV Deep Cycle Battery, Group Size 27DC (12 Volt/750 MCA) at Walmart for 82 dollars plus core. The battery is 109 amp hours. So one battery, one charge controller & 2 solar panels will drive your laptop & 12 volt lights. For a total of 260 dollars. Simple to hookup & grow your solar electric system see [Familyhappytogether.org](http://Familyhappytogether.org).





Familyhappytogether.org see, "Make Your Home for Free".

There will never be a greater waste than little girl with a near 200 IQ who must use her brains to eat vs the gifts that she has to help us. Please give. Donations are so helpful!

## Growing Up on a Farm

Mornings Light Comes  
Early. Chickens  
Pecking, Rosters  
Crowing and Cows a  
Grazing.

Fish a Jumping Behind  
the Barn. Pigs a  
Routing. A Crow Caws  
Her Caw. Black Birds  
and Meadow Larks  
Singing, Their Joy's  
Song.

Sun is High and There  
be No Cloud in the  
Sky. Children Playing  
Happy Bare Feet.

Growing Up on a Farm.



I took this in Olympia, Washington

Is that little boy on the corner begging with his mom destined to be our president one day?

Donations to feed them will tell.

## Inexpensive Solar Bath or Shower

Treehugger.com makes great use of zip ties to implement their hot water heating. There is just something very nice about taking a steaming hot shower where the water is heated by the sun, “and it is even better eating your whole food cooked by the sun. On Familyhappytogether.org I have a link to a video of a couple who make a great hot water heater and they even get some of the hose from a yard sale. You do not need Arizona/New Mexico level sunshine for this to work. I cook and shower on partly cloudy days.



Familyhappytogether.org links, “Videos & Near Free Living”.

There is no greater waste than wasted human capital.

This earth is just too rich to waste lives by begging bread. So please help.

## Sun Rise

Upon Easts Morning  
Enveloping Glorious Genteel  
Rays with Hues Surrounding  
Fingers.

Growing Spender Grows Hues  
Pushing Surrounding Fingers  
Glow.

Then Stars Now Fading Gives  
Way to Purple east Raising  
Grow and Grow.

Now Clouds Higher with  
Crimson, Orange Upon Their  
Backdrop of Heavens Canvas.

Nights Grip is Set a Flight as  
Days Warming Doth it Go.

The Sun Push Up on Purple  
East Now in Heavens Warming  
Feast in This New Days Guest.  
Light Behest For Night Has  
Been Put to Rest.



I took this between Santa Fe and Las Vegas, New Mexico.  
I just had breakfast and my tummy is full, but not everyone's. Is Yours?

## Free Plating Beds for Your Greenhouse



Where there is smoke there is fire, so check with your local heating/air companies. Many of these business's when doing large jobs throw-out/recycle tin and you show up to help them cleanup will help them and they will look forward to you showing up.

Below is a picture of raised bed that I am building a greenhouse out of that I got from a businessman who had very large 12 by 2 inch full cut oak plank pallets that had to be disassembled and removed and he was only to pleased to have me get rid of them.



## Gods Gifts

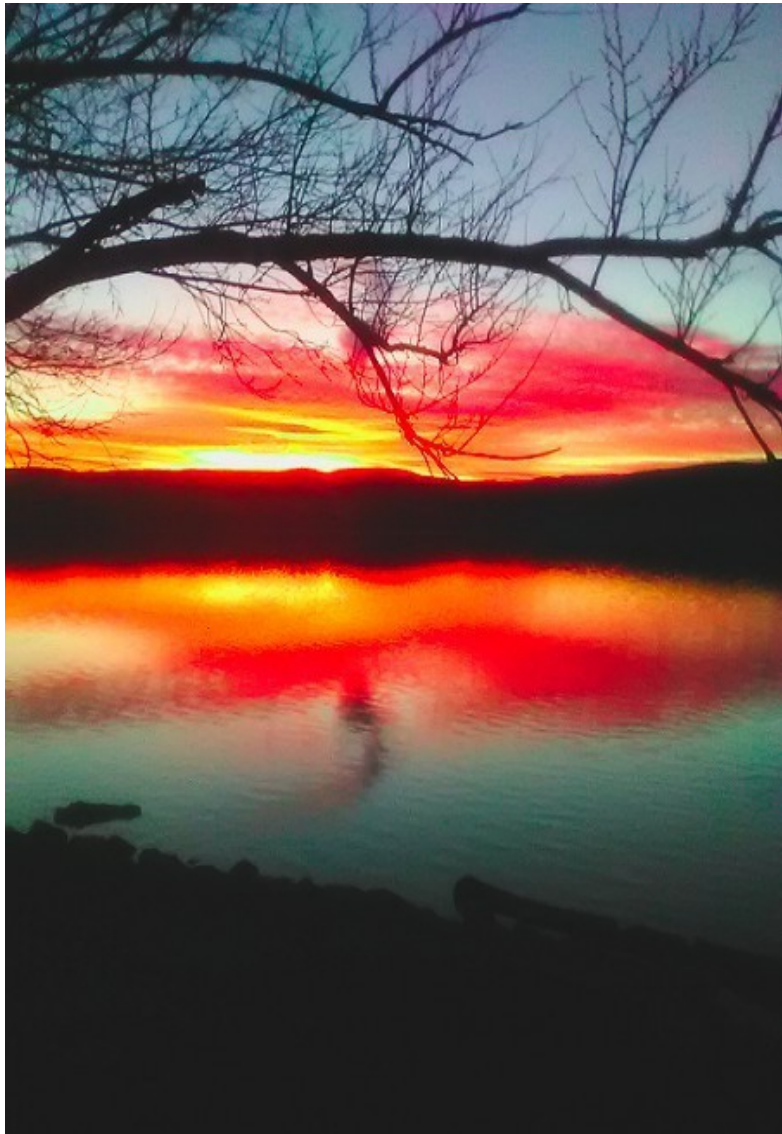
Gods Gifts Come Freely and  
All are Needy. The Beggar  
Poor. The Rich Whose Motto  
is I Need More.

So Rich or Poor Gods Gifts  
Come Freely When We  
Ask He Opens Heavens  
Door.

For When We Run Upon  
Chasing Never End, More  
and More Upon a Wheel  
That Never Stops We Have  
no Rest and Nair Enter  
Heavens Door.

For on The Damned Wheel  
We Run, We Can Not Stop  
and Find Our Rest at  
Heavens Door.

Gods Gifts Come Freely Rich  
or Poor.



I took this at Story Lake State Park, New Mexico.

How many in America will be needlessly cold tonight?

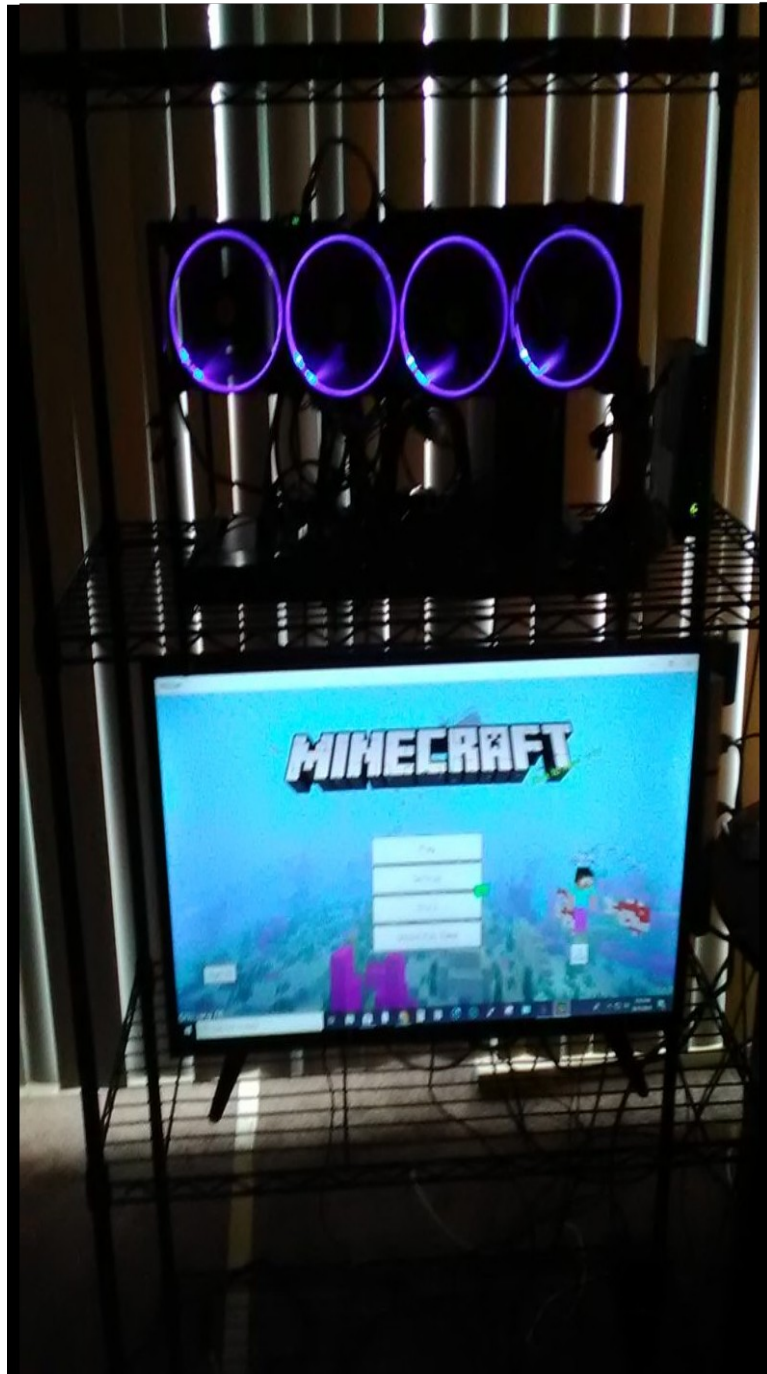
## Solar Bit Mining

Free Money from The Sun

Bitcoin is the first of many digital Cryptocurrencies. They are traded on major exchanges and you can spend them at Walmart, Target to Virgin Galactic. They are how Iran & North Korea get around currency pressure in-spite of US sanctions.

You can make money with your computer by in essence renting it via Bit mining. When Amazon started out they raised near half a billion and built data centers.

With Bitcoin the transactions are processed on the Blockchain, “the bit coin network” by people who rent out their equipment to do the transactions and then are rewarded in payment of the coin that they are mining.



Much more on this see, [Familyhappytogether.org](http://Familyhappytogether.org) links, “Videos & Near Free Living”.

It is a wonder that I am not 400 lbs I love to eat so much. Everyone loves to eat when they are hungry!

## Tis Mid Morn in Late Springs Song

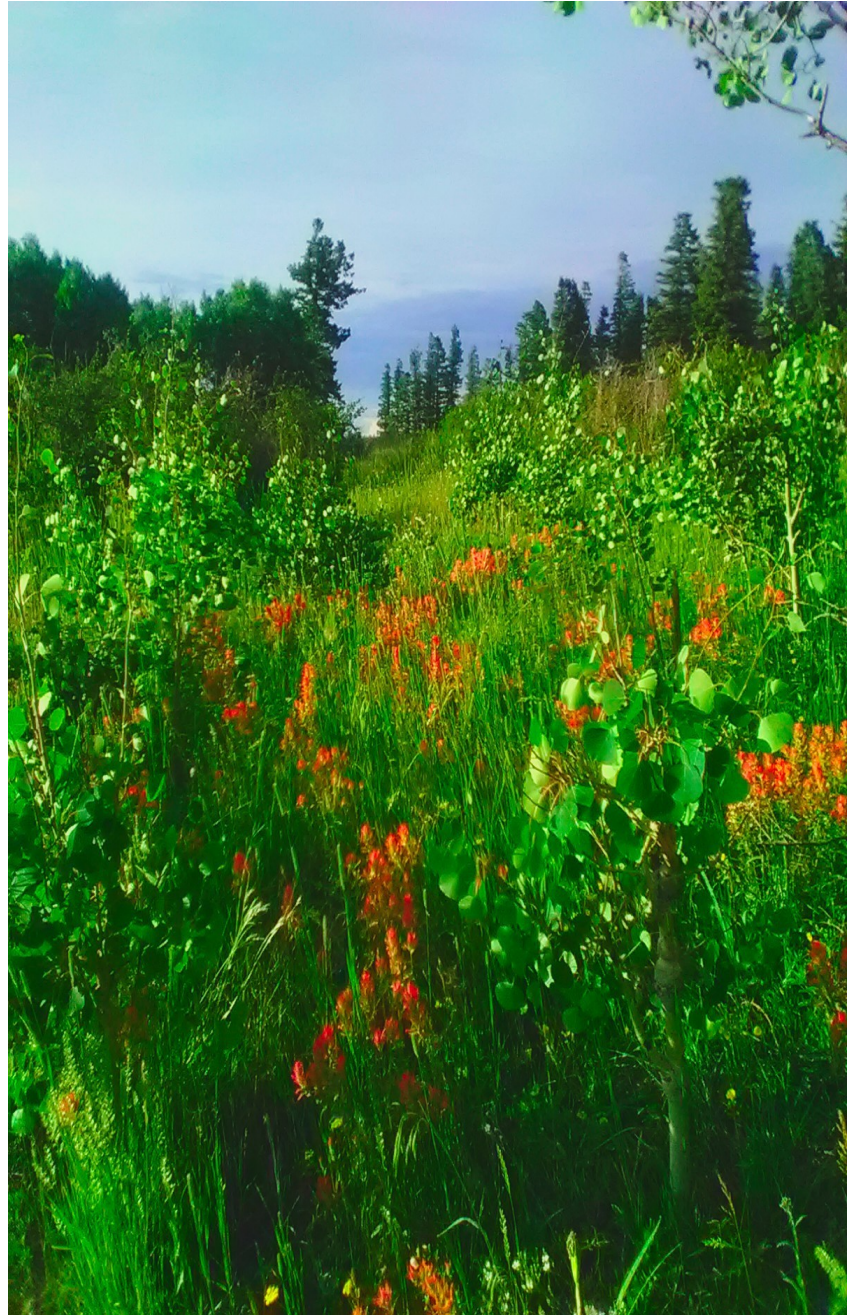
The Bees Flight Hop From  
Elysium to Phlox to Wild  
Rose.

The Dew Has Melted From  
Meadows Sweet Grass.  
Where Larks and Black  
Birds Sing Their Happy  
Song.

A Robin Hunts it's Chicks  
Next Meal, While a Fawn  
Suckles Her Mothers  
Breast.

At The Little Stone Bridge  
The Brooke Trips By On  
Round Polished Chunks of  
Granite.

A Small Fish Explodes into  
The Air and Then The  
Splash and Back Home it  
Goes. Tis Mid Morn in Late  
Springs Song.



I took this while camped at the top of Johnson's Mesa, New Mexico.

Would it not be so nice if those of us who have to much gave to those who have to little?



## Free Solar Furnace

This solar furnace can heat your tiny home or greenhouse with just cans that are thrown out.

In this picture the lumber is easily obtain for free as described above. The glass can be had for free. I just got a free plate of heat tempered glass that a nice contractor was throwing out at the dump. I have also got free glass from Craigslist and Facebook market place.

The cans are soldered together and the solder for mine cost a little as did the flat black spray paint.

The whole idea is again based upon the fact that heat rises. So in my case I am putting the solar furnace just a bit lower than my home and even the cost of moving the air is free!



## On Noble Sea

On Noble Sea of Sun  
Drenched Sand with the  
Whispers of Scents Sublime.

From Green Blue Sea Fill My  
Nostrils with Healing From  
Thee.

Healing Waves, Waves  
Rapture Still and Calm the  
Lashing be.

For in This Place May Now  
Command Peace Be Still.

On Noble Shore, On Noble  
Sea. O Master Heal Me.

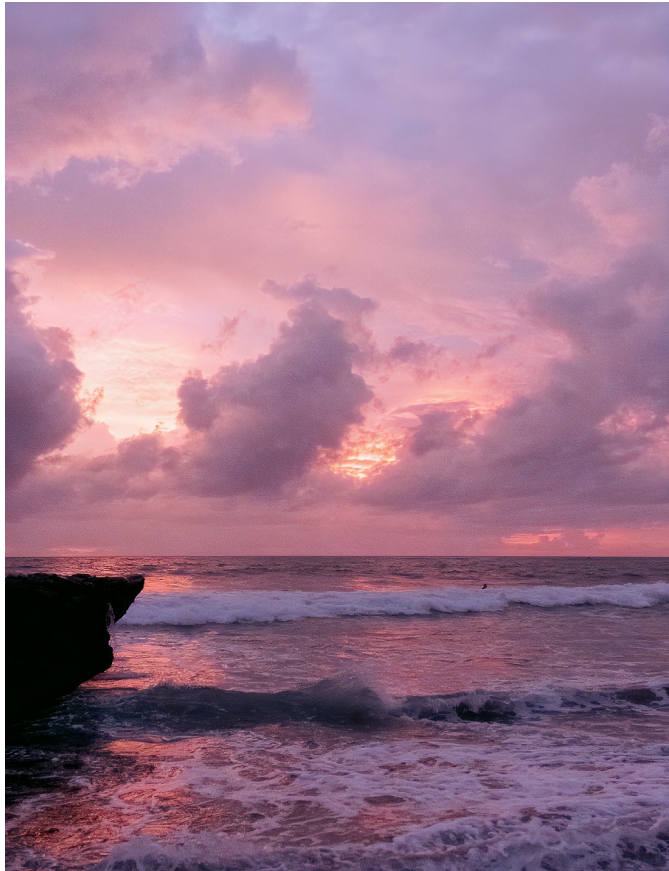


Photo by Anna Shvets from Pexels.com. I have found that I study and learn way better if I am not hungry.

Are you the same?

# The Blockchain and Cryptocurrency

The Next Pong, PC, Internet or Smart Phone

The Blockchain is the 5<sup>th</sup> disruptive technology, “Supercomputers, Personal computers, The Internet, Social Media and now The Blockchain”. I have seen them all. It was beyond what I had seen the first Year that I got pong the year pong came out. What has pong meant to video gaming? I was watching the birth of the PC. I got one the year the PC came out, My PC DOS 1.0 is on my shelf next to Flight Simulator. As a professor at Weber State University, I had in my inbox one day a telephone sized book that had numbers that took you to web sites with useful information. These numbers looked like this, “192.168.0.10”. And so I would look a collection of scholarly papers by entering the numbers from the directory, “phone book of internet IP numbers”, on my Unix computer in text. At that time NAT, “Name Address Translation, dot coms” had not been invented yet, but at that time I was just as excited about the new internet as I am about the Blockchain, Bitcoin and Cryptocurrency.

At the beginning of the internet back in DARPA days scientists across the planet could collaborate and share information. When the internet took off there were thousands of scientists, people from the government and military using it. So the internet started with thousands. Bitcoin was started by genius or group of them named Satoshi Nakamoto, with only a white paper. No one has ever met Him or them. The idea of digital exchange between two entity's over the internet had been kicked around by scholars and smart people. But the problem that no one could solve was buyer fraud. What if I am holding money in digital wallet on my PC and say I have \$500 worth of these digital dollars. What is going to stop me from proving to You that I have my digital dollars as I say but also proving to five other people that I have \$500 in my wallet. As a buyer what is going to stop me from buying from five different sellers each at \$500 within nanoseconds and by the time they find out what happened they are splitting my \$500 five ways and I am long gone with their \$2,500.

Satoshi solved the problem as he described his new Blockchain Cryptography approach to making buyer fraud impossible in His encrypted Blockchain. The White paper that Satoshi produced was of Peer Reviewed Quality and Profoundly Seminal in his application of Cryptography and Advanced Mathematics but this is profound in Macro Economics beyond what my poor tongue or pen are capable of expressing. Satoshi's idea was both brilliant Computer Science, but astounding Macro-Economics. Bitcoin has been copied and there are now thousands of digital coins called Cryptocurrency. They are traded on every financial market. The big coins have market capitalization rates bigger than some countries. These coins are taken by everyone. How do you think North Korea and Iran do business? And America can't stop them. ISIS, Al Qaeda, The Red Cross and Virgin Galactic, The Mormon Church all have taken Cryptocurrency. Got a lot of Bitcoin in Your Android or

iPhone's Bitcoin cell phone wallet, and You need some cash? Easy, send Yourself a Money gram to Walmart and go and get Your cash. Get some grocery's while Your there with Your \$500 Walmart card that You loaded onto Your smart phone with Your Cryptocurrency.. Here is the Abstract from Satoshi's Classic White Paper entitled Bitcoin: A Peer-to-Peer Electronic Cash System .

The Blockchain is UN-hackable because even if a hacker could break the encryption that has never been hacked and even if he could break into a node on the Blockchain and give himself the money in Your Bitcoin cell phone there would be say 10,000 nodes on the Blockchain that he did not hack and they will disagree with the transaction and it would not happen. So even if You hack a node on the Blockchain it does not matter.



With the internet versus Crptocurrency the exponential growth curve of Cryptocurrency pulls a head of the Internet in terms of exponential growth curve of users. And Bitcoin started a white paper and not thousands of of people. Exponential growth of Cryptocurrency assets funded outpaces the growth curve of Internet. The underling technology is so powerful that IBM, "The biggest", Oracle, Amazon and Microsoft are pouring billions into their Blockchain products. The cool thing for you is the explosive growth in jobs. The pay is on par with programmers, but does not require the hard science, "geeky, math dude/gal", mentality. It is more leaning to creativity. So if your not the programmer type, but you are creative and want a job that can lead you into a \$200,000 and up job the get IBM Hyperledger certified.

Like all technologies this also has very serious potential down sides. All commerce on this plant will run on the Blockchain. I have a tab open that allows you to buy a \$50 video camera to conectl into the Blockchain, "do you want all of those cameras that see us all pushing our evey movement across the planet and never taken down? The new Biometric chip I will describe more on my site. It was invented because people could fake retinal scans. It is a rice sized chip inserted into your finger that is now sold as a convince item to hold all of you medical records, money and everything ever known about you on your finger and it also ties into the Blockchain. We need to learn and legislate what can be done with this and protect ourselves!

I have links on the Familyhappytogether.org site to where you can get you first certifications for Free!!!

## A Song So Sweet

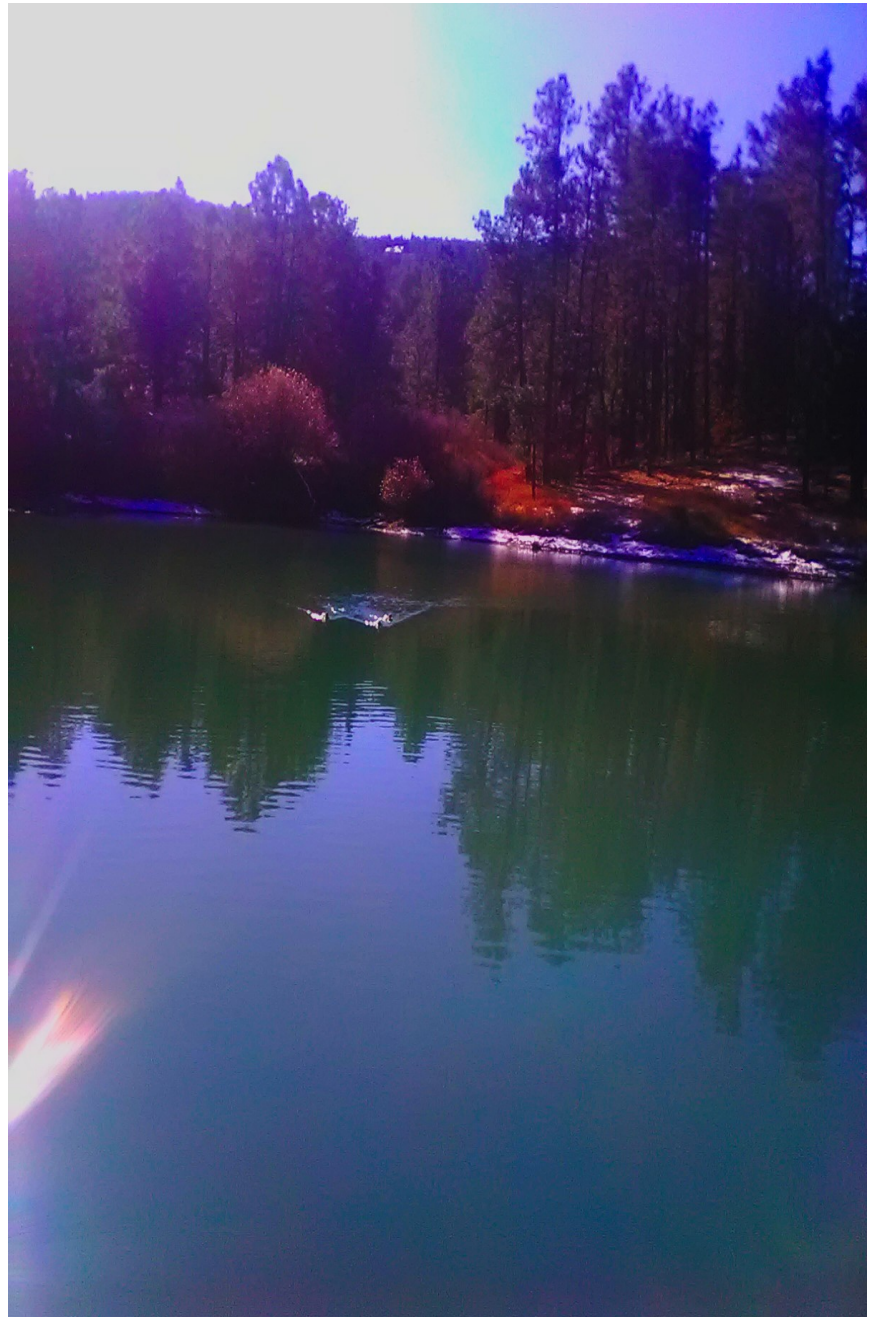
A song so sweet for now  
meet.

Our lives so short when we  
greet.

May this Holy time that we  
have be cherished with Love  
and Peace.

And nay Nair will we wills  
allow no heat for one day the  
song so sweet will be adieu  
until we meet.

And on that day it will till we  
meet again at Jesus Feet



I took this near Mora, New Mexico. Like a warm bath or shower when your cold?  
I know first hand that little children do too.

## Thoughts to Help You Stay at Peace

We have all heard the adage a fool and his money are soon parted. And if that is so then how much more foolish to part with money that you do not have will pay up to twice or more for what you can not afford and then pay interest on? Give yourself some peace and if you really have to have something to get by pawn something(s), find a side job from Craigslist or Facebook marketplace. I many time after some thought and meditation just decide to do it another way or just wait.

Marketing is done for reasons. Why do you think that impulse buy items are up front? Marketers know that you are much more likely to make an impulse by of any item that you pick up. So get in the habit of not picking things up up front that are not on your shopping list.

Ask yourself why are somethings in large print and somethings in fine print on any package, can, etc. Are the company's that make these food substitutes proud to tell you what in the stuff? It does not cost them any more to make it easier for you to see what you are going to be eating. So save big and tell those to ashamed of what they are putting in their so called to food to even make it easy for you to read it to drop dead! And that you will buy it for a tenth by making the food item your self. For example I make my own corn bread with self rising milled corn flour, eggs, milk, cinnamon and water. I have seen just one big piece of corn bread at Sprouts or Wholefoods that cost as much as two 9 x 9 glass pans of my homemade corn bread. Plus I make it in my solar oven and pay nothing to bake it.

This same principal applies to many things, but the way that you know that you are winning is reduction in package, feeling the warm, supernal healthy feeling from your happy tummy that was in your not so recent past. Sorely produced fits of random gas bouts that you were never quite sure about as to whether or not run for the John so did it hurt could it hurt or were there heartless days of hurt when you toiled to do two? Wana have saving as much of 10+ times in the reduced cost of something that you eat. Plus and Best of All, You Get to Eat Real Food, "And it Tastes Good Parenthetically Speaking!"



Kendra Grace Gold My Angel Grand Daughter She was So Good That She Only did 3.5 Months in this Mortal Probation. She Only Knew Pain, Her and Families Love. Jesus was So Kind and Took Her Home the after day Christmas

## Act Well Thy Part

Who Aryer Thou Art Act  
Well Thy Part.

Where thou Goest go  
well ast thou depart.

Who thou art with may  
thy peace impart.

And when called home  
to the Heavens Report.

You can tell The Lord I  
Did My Part!



## Thoughts to Help You Stay at Peace II

If you are in hard times or just want better good times then lose all of the negativity in your life. For me this was throwing out the television and replacing it with reading. There are so many wonderful books but for right now I will list a few of my favorites that may help you now. The Bible, Torah, Talmud are just some of the scriptures that I read. But I have found insights from these books for times like now. Eckhart Tolle, "The Power of Now and A New Earth". Cynthia Yates, "Living Well on One Income. Simple Prosperity. And any books of inspiration and beauty like poetry and pictures.



From page 16 of Living Well on One Income, Cynthia Yates list these lies. And I have built on them to be What they say and what they really mean. Remember and think of all of the other spins or versions of these. What they say, "Do not be satisfied". What they really mean, "Among other greats Solomon, Buddha, Socrates, Aristotle, Plato and Jesus were Idiots Trust Us". What they say, "Our product is guaranteed to fix your problem"! What they really mean, "You an Idiot a thing can fix your problem"! What they say, "Listen to what others are saying"! What they really mean, "You to can also be an Idiot like the other Idiots that we Just Duped"! What they say, "Imagine what others will say or think about you". What they really mean, "Anyone that you know with with half a brain is Laughing at You Idiot"! What they say, "You have to have this"! What they really mean, "We got creamed in sales last quarter and have to move this Idiot"! What they say, "Why wait or time is limited"! What they really mean, "We just got word that our competitor is about to release a new better version for half the price in a month and we need to Dump Our Junk on You Idiot"!



## Mount on Wings of Eagles

If I am Kind and

if I am Wise. If I am  
Thoughtful and

I am Filled with God's Love  
for God and

if I am filled with God's Love  
for Myself and

if I am Filled with Love for all  
of God's Children and

if I am Filled with Love for all of God's Creations and  
if I am Filled with Love for all of my Brothers and  
if I am Filled with Love for all of my Sisters and

if I am Filled with Love all of God's children the Bear and the Deer and  
if I wait upon God I know that I Mount on Wings of Eagles and  
Shall Run and Not be Weary and  
I Shall Walk and Not be Faint.



# Adjusting René Descartes I think, therefore I am notion of Existentialism to adjust to Modern Artificial Intelligence

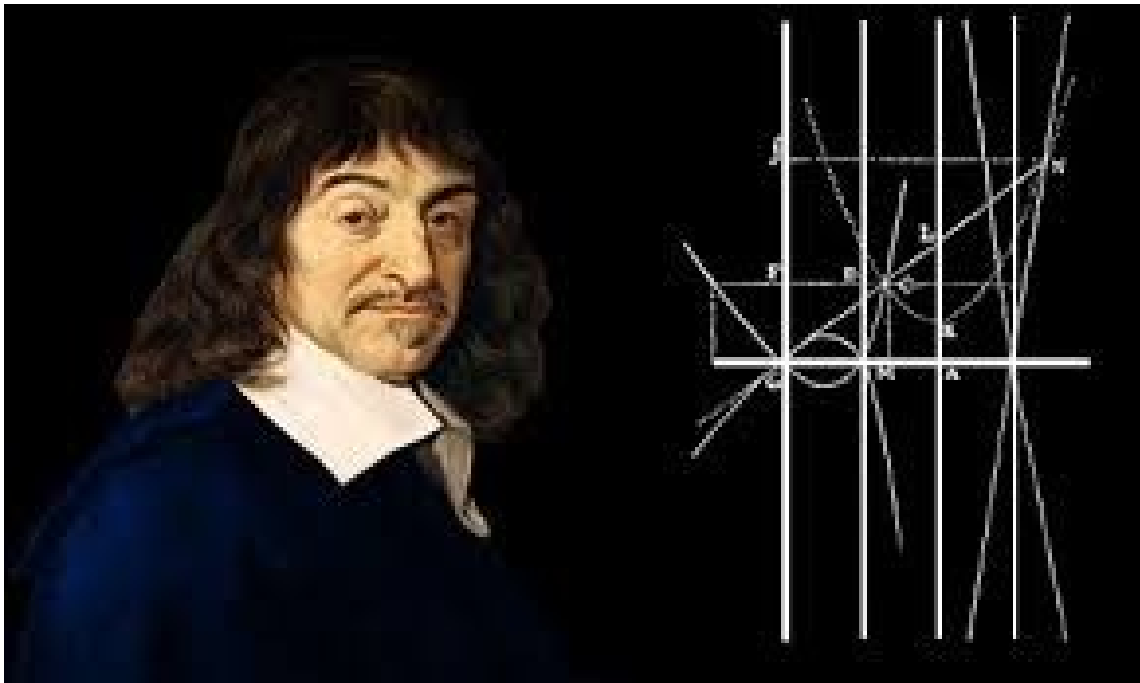
**Jeffrey J Thomson MS**

The only thing that he believed he could be certain of was that he was doubting, leading to his famous phrase "Cogito ergo sum," (I think, therefore I am). From this one phrase, he derived the rest of philosophy, including the existence of God. Bell, E. T. "Gentleman, Soldier, and Mathematician. From Google.

In the New Dawn of the Super Computing and Artificial Intelligence the notion of, "Cogito ergo sum" may be confounded by our machines. And so we are left only, "Motus ergo sum".

I Think Therefore I am is no longer is relevant to proving Gods Existence and we are then left with only I have Emotions therefore I am,"Motus ergo sum".

Cogito Ergo sum, est, iam non pertinet ad probandum Deos Esse, et nos reliquit, cum tantum mihi Affectus ergo sum.



## Maggie My Pearl of Great Price

For all That I am. Or All that I  
Would Ever Be.

I Know a Dear so Dear Dear  
to Me.

For She is My Love While  
Edens Garden Garners no  
More.

No More than my Gretchen for  
Me.

My Child My Love. With  
Resplendent Splendor My  
Child Maggie The Most Fair to  
Me.



Gretchen Maggie Thomson

Featured on The Cover of This Little Book.

Both Gretchen & Maggie Mean Pearl. I did not plan this when I named her.

My Pearl of Great Price!

Mathew 13:45

# Advanced Electrical

How to

## Save Five Times and More on Electrical DIY Kits

Do it yourself kits will save you a lot on your solar. But the last section on setting up you own solar for a 200 watt system is even less. The DIY kits cost more than just the components and you need is the know how. So I just looked up 4 to 5 star rated DIY kits on Amazon and they cost from \$250 and up over \$500 for systems that have no battery's. The system that I just taught you to build for under \$300 is both highly rated and has 212 amp hours of battery's that you can pick up at Walmart. With what I just taught you, you are only paying for the components. I give the you the simple know how like I have for thousands of my students and it is my privilege I love to teach and the whole point is to help to teach America how to live free or near free and end all homelessness!

And so I have great faith that I will be taken care of as I help others. So please if this book and Familyhappytogether.org have helped you, I would ask you for a tip. This little book of poems and how to build a free tiny home is only \$28 to pay for producing the book and selling it on Amazon. I have seen books on doing your own solar for three times this and have nothing else to teach you. And so I would ask you for a tip just like you tip a good waiter or someone who sings or plays music on a street corner for you. Please help us with a donation that you feel is fair for the help that you have revived and more if you can. This will help us in giving more free content and even building free homes for those that need them. So please pay it forward if you can. And if you can only say a prayer for us that is Great! It is the reason for this site book and site. So there are PayPal single donation and reoccurring reoccurring donation links and Bitcoin address's to send us some help. It is our purpose to give every cent to ending homelessness.

So if you want to make a solar system that has as much electricity as your current home. That is no problem I will teach you how. On Familyhappytogether.org and here. 12 Volt systems are by far the most simple systems to start with. If you use 12 volt lights you will save a lot! If you reduce your needs this will also save you big! 12 volts DC is so easy to invert into 110 volt AC. I just bought a 100 watt inverter yesterday at Walmart for \$10 to power my laptop. 24 volt DC to 110 volt AC inverters cost more. There are practical limitations to how big of a 12 volt DC system that you can build. The same American made Renoly charge controller will charge control about twice the power of 24 volt systems as they will 12 volt DC systems. So the way that you can make a 24 volt system is by setting your system in series vs parallel. This is done as an example by having two battery's connected with the positive lead of one of the battery to the negative lead of the other battery in series. So two 12 volt DC battery's with leads coming into the positive lead of one of the battery's and the other lead connected to the negative lead of the other battery with the two battery's connected negative to positive will double the DC voltage to 24 volts. And I believe this is the best voltage to run your system at. I will post pictures on Familyhappytogether.org. You can get very inexpensive used Chevy Volt 24 DC used battery's on eBay and all the components are a great value at this level so see

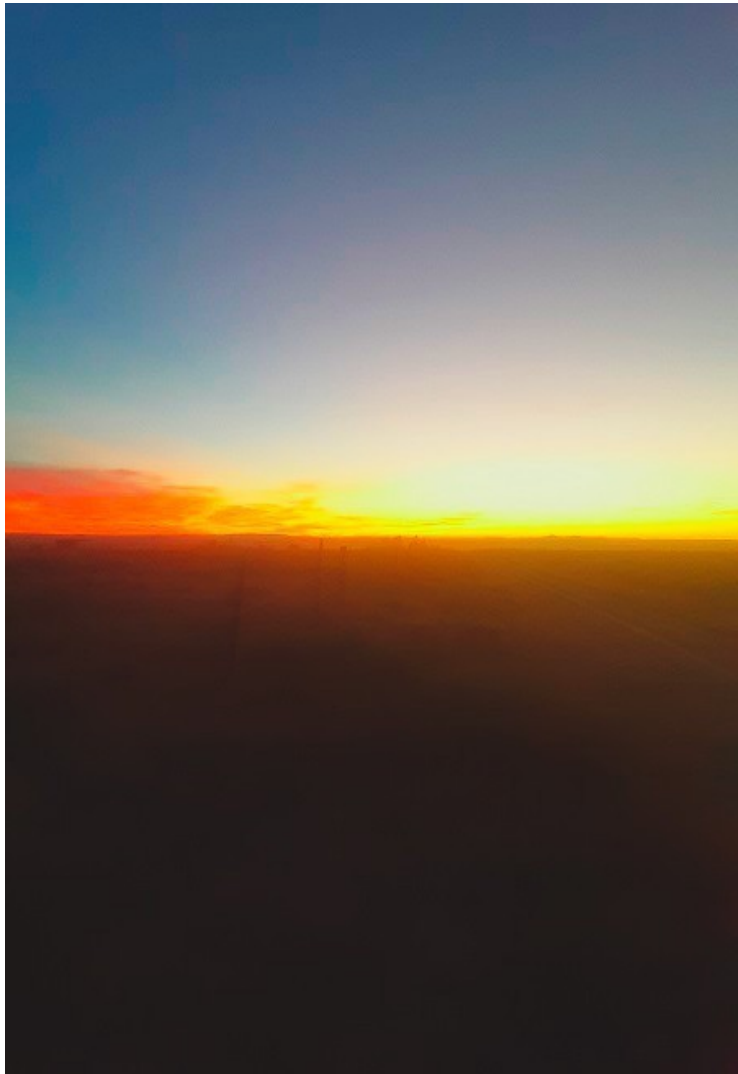
Familyhappytogether.org for more help!

## My God

While Through This Veil of  
Tear and Fear doth my Foot  
Trod

Tho on ragged and Barren  
Sod. We May Nair slip if we  
hold to the Rod for His Name  
be God.

For When in Despair Thou  
Hast Always Been There and  
Thy Name Be God



## Thoughts to Help You Stay at Peace III

The last thing any of us need in our lives is disobedient children or pets. In any hard times it will be harder if our children are disobedient or for that matter our pets and animals. I learned from a kind wise leader many decades ago not to teach disobedience. Have you ever watched a person with an out of control dog who over and over just keeps repeating come spot and more come spot? It is like they are begging there dog to do as they say. This is even worse with children who learn not to follow you the first time. It is so much more easy to teach the little child or your new puppy that you never give an order that you do not expect to be obeyed the first time. This is not done in any harshness but rather like with a new puppy the order is given like sit and then you train your puppy to sit by taking the time to push it's little rear to the ground and then praside and reward it. Both the little child and the puppy or any other creature that you want to train are so happy to learn that you are please when you do what they say the first time. In doing this they begin to trust you and you are not like the fool begging his own dog to come back, which is really a dog that has been trained to be disobedient. The same applies to our children. When we teach them in this manner they also learn to more deeply trust us and how helpful this can be in the hard times. Even if we are not facing homelessness, parents face teenage years which were for me hard as they are for us all. So take the extra time upfront and save so much trouble later. I promise that if you do this that you will have happier children, dogs and you.



How many like to go to the mall or shopping. When I was younger I did. But if you are facing a crisis there are a number of problems with going to the mall or shopping. I never went to the mall after shopping and maybe a movie where I did not come home just wiped out. Some call it energy, spirit or vibes, but there is a lot of confusion at these places. Given the choice learn to give yourself a break and go to the beach, mountains, garden, or such an outdoor place. Nature is healing and at times like this that is what is needed. Plus you will never make an impulse buy while walking through mountain flowers. So many specialists from every walk teach us the healing power of these places. One of the most profound scriptures in the Bible is where Jesus said, "Behold the lilies of the field neither do they toil or spin and yet Solomon in all of his glory was not arrayed as such. I will post on [Familyhappytogether.org](http://Familyhappytogether.org) more on mindfulness and living in the moment and of the healing power of outside. You will be happier as you seek the outdoors for rest and exchange it for the confusion of a mall. It worked for me and I know that it will for you too.

## I Hear Thy Voice O Lord

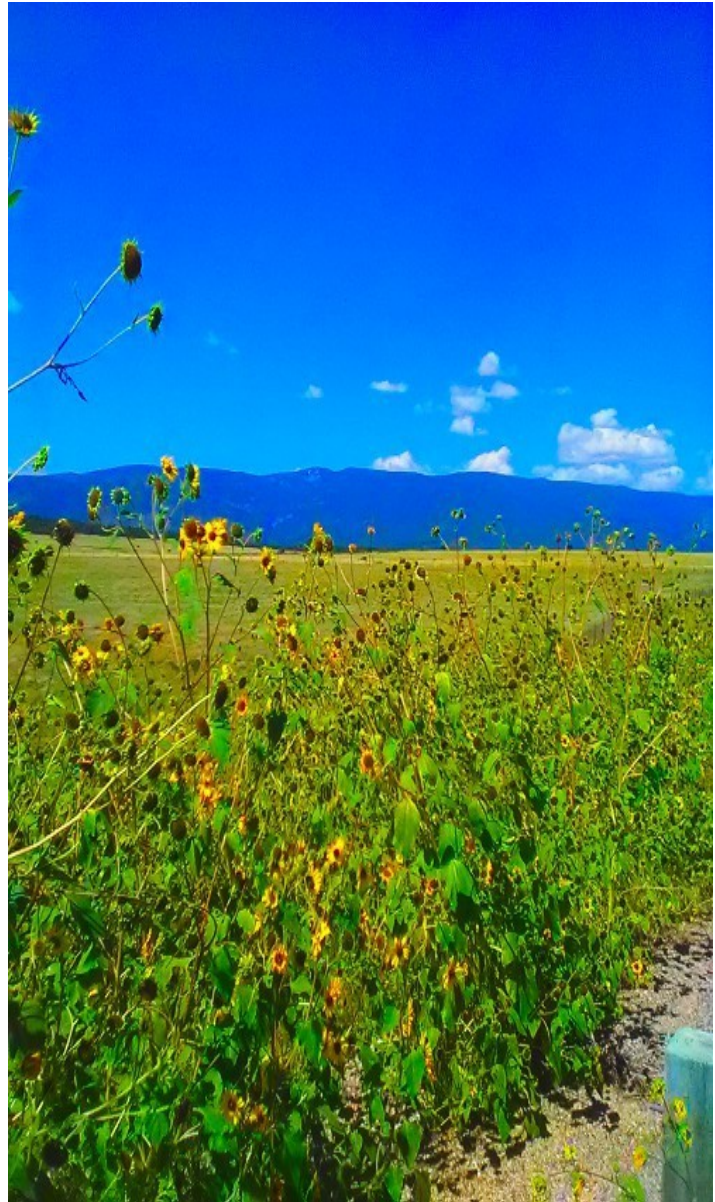
For thou doth cry from the tripping  
brook. And when I still my soul I can  
Hear.

From on Top of High Mountain.  
Thunder Thunders Thy Still Small  
Whisper Thou Art Near.

On a Mesa Top with Gentle Breeze I  
Find Myself on Bended Knee  
among the Pinon the Sweet Smell  
of Trees.

On High Mountain Lake with rapture  
my soul doth quake. So with rapture  
my soul doth shake. For I Hear Thy  
Kind Powerful Magnificent Voice.

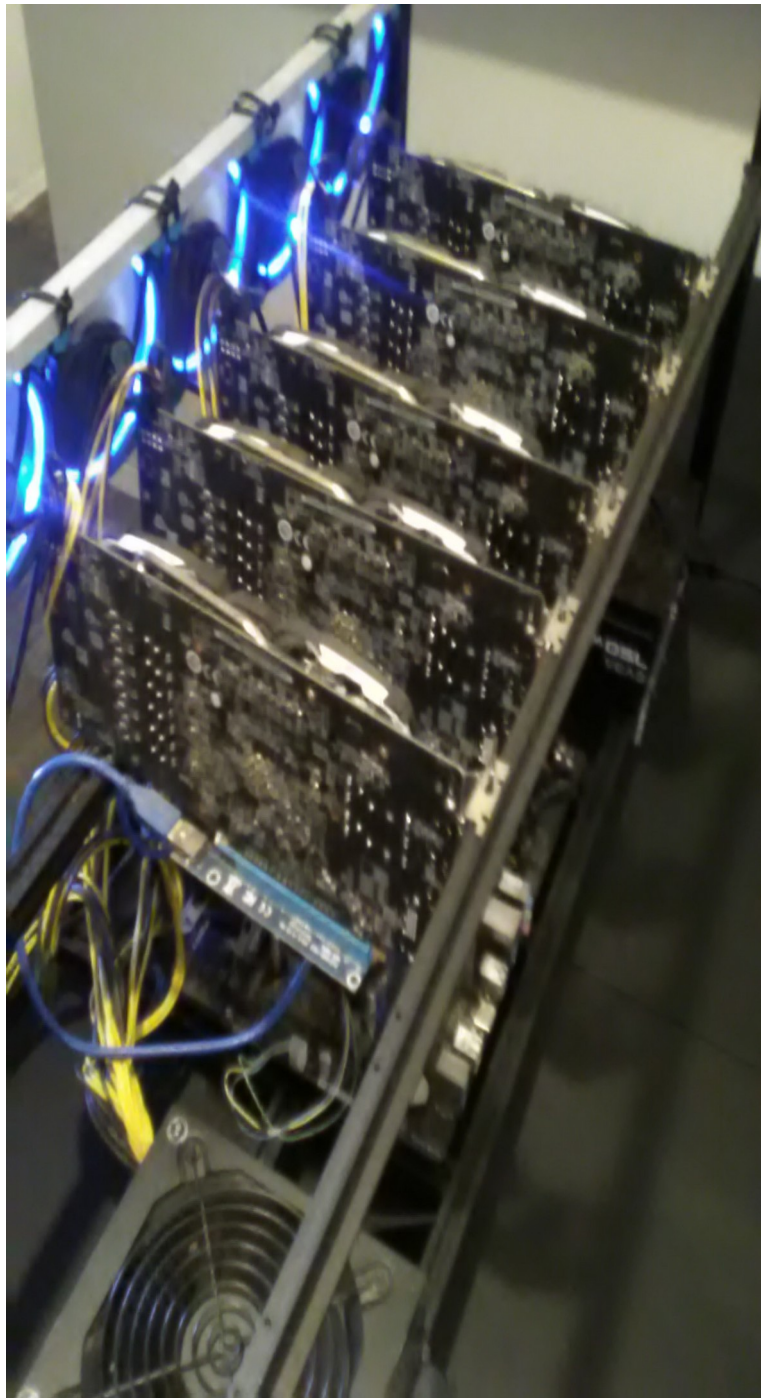
And as thy creation sing Thy Praise  
if I am Quite and if I am Clear Then I  
Always Know Thou are Near. I Love  
O God and I thank Thee and Know  
That Thou Are Near.





## Solar Bit Mining II

There are three main ways to mine, “which is a way to rent out your computer”. When Amazon got started they had about a half a billion dollar stock offering that they built data centers with. This is really a new school way to process data. Plus it winds up being distributed, redundant and spread across the planet. If you have your digital money, records or anything else that you do not want compromised by a hacker the great thing about this approach is that a hacker may hack a node on the Blockchain but what about the thousand other arbitrary nodes spread across the world who say no the hacker does not get your money or records? There are three main methods of Bitmining, “CPU, GPU and ASCI”. How to set up and a full section of how to do this are on my site.



Much more on this see, [Familyhappytogether.org](http://Familyhappytogether.org) links, “Videos & Near Free Living”.

## Becky O So Fair

As I Glide though called a hike is more about Becky that I like?  
As eye can see to her sweet arms shall I flee?

The Glide Yet more Joyous More Effort Free.  
Stepper  
Now Steeper climbs now crooked crags yet  
gavel lose though be.  
That Becky is for me?

Higher and Higher past fields of Gold  
Announcing Springs Joyous  
Enunciation to Heavens Reflection World  
Below Forlorn Repent.  
For now comes Gold Supernal Thus Heaven  
Sent.



Thou Fields of Gold Reflection of Heaven Now  
Shout Joyous Lays  
For So Deep Still Brown Hair O so fair. More Resplendent and Supernal, No Mere Reflection!  
Becky O Come to Me!

Faster and Faster Now I Ascend! Seeming Drawn on Chariots whose Charioteers  
Be Angels and Drawn by Teams of Fleet Eagles I Fly! Climbing Higher and Higher.

And as I Summit Blue Sky Resplendent Is. But More Blue lakes do I see. Yet Glory Pierce  
for Blue May Dull. It's Brown for Me! O Glory Be Becky's Brown Eyes How they Warm Me!

Could it Be So? May it Be? Is Becky Now for Me?  
Yes Hallelujah O Glory Be, my Child & Daughter O Glory Be!

# Free and Inexpensive Computing

and

## How to Stay Safe on Russian and Christian Dating Sites

I wanted to show you that there is no safe place on the web. I have had both fraud and deception from every imaginable source on the web. So here is how to stay safe. Clearly nothing can live where it can not breath and this is the way to stay safe. So in Microsoft a picture has permissions that Microsoft knows and recognizes. These are typically read/write but can also include control permissions and this is both useful and potentially very dangerous. That photo that you open may be given permission to take over your Microsoft registry and make all kinds of havoc on it or other parts of your system. The photo with this kind of permission can in essence breath and start taking control. It may be send you credit card data to places that you don't want your credit card data sent! So don't let it breath by opening that very same photo where it has no permissions. For example in Unix or Linux file control permissions mean nothing where there is no registry to infect or anything like it. So think in these terms that photo my given all manor of permissions in Microsoft that do not exist in Linux. And this is the way the National Labs like Los Alamos or Sandia stay safe from viruses.

Apple systems are safer than Microsoft but still very infect-able in similar ways and so there are Apple viruses. There are even way to infect Linux or Unix, but very very rare and hard. This is why the very secure sites use Linux/Unix platforms. And so to stay safe and have a very useful easy to use system with all of the rich graphics, sound and every thing that Microsoft has use Ubuntu Linux. There are several outstanding versions to chose from. I use Lubutu which is a very lite weight version of Ubuntu and totally compatible. Lite weight means faster and safer. I will bet anyone reading this that I can take Lubutu and run it on an older system with hardware five times slower than your brand new laptop or desktop and make it run twice as fast as your brand new Microsoft System. I have got hundreds of free computers thrown out that were to slow to be useful to a company anymore and thrown out and then I gave them to students with a new Linux install that made the computer much faster and totally useful and even some times faster than the day the company first opened the Microsoft system. So twice as many running programs mean half the speed.

On every Microsoft system there are many more back ground programs running for convenience that you do not see. Just one example of these resource hogs are back ground up date programs. They do not exist in a lite system like Lubutu or Ubuntu. So Ubuntu, "as all Linux and Unix" are much more lite than Microsoft. The L in Lubutu stands for Lite and is even faster than Ubuntu as are other screaming fast versions of Linux. Some of these are Damn Small Linux, Gentoo, Arch and others and they are very very fast and lite. With Ubuntu/Lubuntu they are very fast, easy, and as easy to maintain like Microsoft and you can make, edit, videos, create all manor of sound

editing like Microsoft with none of the dangers or background unnecessary programs running. And there is nothing like Microsoft registries to infect. These Linux systems are all free.

The national labs and all hardened off places use three versions of Redhat Linux which cost money for Redhat support. But Redhat is freeware and one the day a new version of Redhat comes out both Centos and Oracle remove the Redhat labels and just replace them with either Centos or Oracle Enterprise Linux and give them out for free with no mandatory support. But they are identical other than Oracle which speeds up their Linux for running big databases and things like this. You can also pay for Oracle support, but you don't have to be forced to pay for support like Redhat. But all of these three are totally compatible with programs running out of the box.

All versions of Linux are source code compatible by just recompiling in the C programming language using the C directives Make, Cmake and other C make compilers. It just takes more work and is done typically by computer scientists and hackers. It is not easy to recompile programs if you don't know what your doing. You will never have to deal with this with Linux versions like Ubuntu and Lubutu. And the same goes for the Redhat variants, "you just will not typically get as good of sound editors and other power user programs built in as Ubuntu/Lubutu".

Finally the safest way to open a photo is where there is no way to even show the picture. This is done on Linux/Unix run level 3. No graphics, and text only. The important run levels in Unix and Linux are run level 0, "shutdown", run level 6, "reboot". Run level 5, "graphics". At run level 3 you get either of these, "# or \$" to make all of your commands and you can surf the web with LYNX a text based web browser with no graphics. And it is hard for most people, but nearly impossible for viruses. You can run a graphics x-server off of run level 3 which will give you a graphics server that you can connect into for graphics like the national labs. It is not easy, but very safe. I will be happy to help you or your expert set this up if you send me a message on the comments section of Familyhappytogether.org. We need some cash for the homeless ministry and I will be happy to help you if you need this level of safety and security. I will not charge you very much to help you setup this kind of very fast and hardened off Linux or Unix and is an outstanding value for any small enterprise, "No more malware scans".

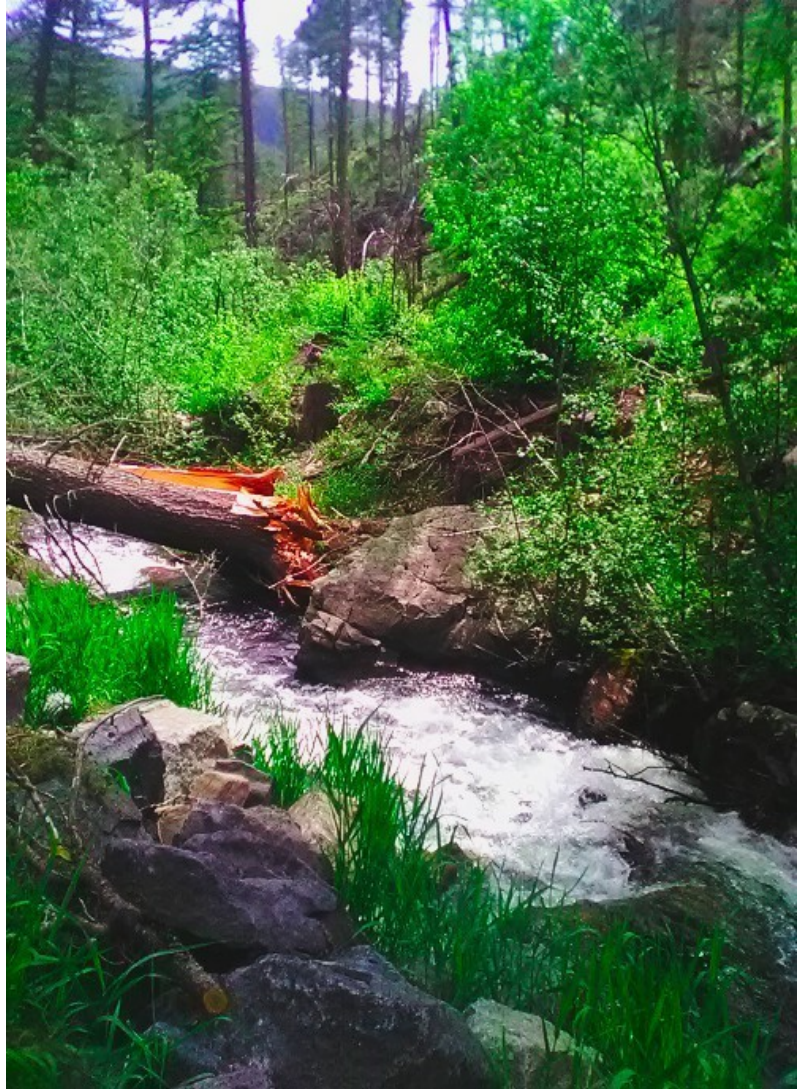
## Hope is a Choice

O Hope That Doth Inspire Me  
for Hope is A Choice.

And when we are far from  
Faith Then it Is Hope is Our  
Choice and Where We Must  
Begin.

For Hope is a Choice. So  
Chose Hope. For You Mays  
Chose to Have Hope and  
Seeking for Hope Wills Soon  
Come Faith.

For Hope is The Match And  
The Burning Warm Fire of  
Faith Must Always Start With  
The Match of Hope That Was  
Our Choice.



I took this in The Santa Fe National Forest above Las Vegas, New Mexico.  
Hungry children always hope to eat soon too.

## Free and Inexpensive Computing II

### Example of Easy Upgrade of Windows 10 to Linux Keeping Data

I will show you a real example of how to upgrade your Microsoft system that costs you big time in many ways. Here is how your Microsoft system is costing you. Those scans for viruses, bugs, malware, little beastsies that may steal your credit cards, turn on you camera and watch you, gather data at your own time expense in a slower computer are not necessary. Those yearly renewal or worse yet monthly fees are not needed. So get off the computer crazy train, save your money, time and reduce you risk. Why deal with all of the unneeded brain damage.

Windows 10 is far better than Windows 7 and I have been running a Windows 10 system, but I can not tell you how many time that I have just walked off of Microsoft and went to Linux. I did at a time when it would not have at all practical for you if your not a computer scientist, hacker, ..etc. But for some years the good versions of Linux have been every bit as good as Windows for providing easy to use and very powerful tools to do your work. And so here is a real life example of how I recently got out a Microsoft horror for \$30 dollars and saved my self hundreds on licensing fees and untold hours and random horror when Microsoft upgrades something without even my knowledge.

I had a random upgrade from Microsoft that turned on the dreaded airplane mode. Microsoft slams it down your throat and it is awful to deal with even with my training. Look up how to remove airplane mode and watch the horror stories. So I had a 120 GB solid state drive, "SSD" and my wifi access just stopped. And it was the dreaded airplane mode, "A Microsoft self inflicting virus". So I went to Best Buy and I bought a 240 GB SSD for \$30.

You can connect your SSD, "a sata concoction" to your USB port with a very inexpensive sata to usb connector for under \$10. What you are going to do is to mirror your drive to the new drive that is twice your drives size. And this scales to any level so if you have a 1 TB drive this works for upgrading it to 2 TB. So if you have your sata to usb connected then you are ready to mirror. At this point you need to boot your computer into a live version of Ubuntu or Linux variants work too. So you will need a live bootable Ubuntu on another USB boot flash or a DVD boot version. See the Ubuntu sites for how to get these and I will also put up some information on Familyhappytogether.org as well.

Once you have booted into Linux you then are ready. It is very important that you do not mirror you new blank drive to your working system or you will wind up deleting every thing on you working Microsoft drive, "mirror your new blank drive back to your Microsoft drive". So if in doubt get help. So the tools that you will want are the partition manger tools that you can see your main

partition, “big” and your boot partition, “small”. This will give you the computer device name that you are trying to copy from and it is nearly always something like `/dev/sda`, “computer speak for device system drive a”. And if you only have your main drive a your usb to sata connection then your computer will see your new drive as `/dev/sdb`. If you have a DVD then it will usaly show up as `dev/sdb` and you new drive as `/dev/sdc`, if in dought get help or ask us on the form.

Once that you are very clear you are ready to mirror and the command is `sudo dd if=/dev/sda of=/dev/sdb bs=10000`. So you need to run a Linux command screen to get this and it is under system tools and a terminal or xterm is what you are looking for. I will open a Linux command line window with a `$`. So you will be looking at

`$ sudo dd if=/dev/sda of=/dev/sdb`. So `sudo` gives you permission to do what you tell your system to do and will ask for your password. And `dd` means drive duplicate. The two directive `if` and `of` mean in file and out file. And the `bs` means block size and is optional but speed up the copy process by making a big read from the `if` drive into memory in one read that is the size of `bs` and then writes it to `of` in one pass. I just use a very big `bs` and it fails because I do not have enough memory. Just use the up arrow and it repeats the last command and I lose one zero going from example `bs=1000000` to `bs=100000` until it starts to copy. This gives the biggest `bs` fast and easy and will make the copy time faster, “but again is not necessary, just faster”.

Once the drive is copied you will get a `$` and then the system is ready to install your new drive. Shut down your computer and remove the old drive and put in your new drive. Boot Linux again and this time install it. You will be ask if you want to dual boot your new system and you will have the 120 GB partitions `/dev/sda` and `/dev/sda2` on your new drive. The `sda1` and `sda2` are just the boot and main partitions on the `sda` drive, “your new one here”. So you can resize the drive or let Linux worry about it. But I will post more specifics on [Familyhappytogether.org](http://Familyhappytogether.org). But you can now install Linux on the free 120 GB space and then you will have the choice to boot either Windows or Linux and this is called a dual boot. From there you can boot Linux and your Microsoft data will be there for you when you are in Linux. That simple, but more on this on the [Familyhappytogether.org](http://Familyhappytogether.org) site.

This page is worth a very pretty penny in consulting and if you got it by Kindle then when you can you owe some back.

\$200 per hour with 100 hour minimum is not what you paid.

So help when you can.

A tip is sure nice and will be put to the best use!



## Child of Light

My Child is Fair, Child of Light.  
To My Soul Thou Art a Delight.

If Thou Would be Happy Then  
Make Another s Burden Lite.

Thy Power is Great, so Serve  
With Might.

And in Some Far Time When  
You are Called

Back to Heaven's Light. I Will  
be There for You.

My Fair Child of Light



## **How to Make Millions From Free Material**

### **How to make a million from building greenhouses.**

Greenhouse's can be made totally free by finding free windows, "I have done this, but it is a bit harder than getting the free wood". Even if you use very low cost translucent tarps or translucent coverings you can make nice greenhouse's for people and build them for \$5,000 as a low figure. If you build 48 greenhouse's per year for five years you will have made \$1,200,000.

### **How to make a million by building Hob fireplace/furnaces.**

My market research has shown that a hob fireplace/furnace like I have shown can easily be sold for \$3,500. If you make 48 of these a year,"one per week is very hard work, but even two per week is doable", then in 7 years you will have made \$1,176,000.

### **How to make a million building solar food dehydrators**

Good good solar food dehydrator needs no electricity to dry your food. You can easily make one per day. Facebook Marketplace and Craigslist are just a few places to sell them a good one should sell for \$300 each. If you make one good dryer per day for four days per week and if you do this for 48 weeks per year you will make \$57,600 per year and this is working four half days per week. This is \$1,152,000 in twenty years for a very very nice life style and four weeks off per year!

### **How to make \$3,000,000 implementing secure data platforms.**

What I describe in the Free and Inexpensive Computing sections is very powerful. It is how the national labs keep their data secure and learning how to set these up can make you a fortune. I have a friend in Albuquerque that makes around \$300,000 per year doing this very thing. I fear that my fellow brother and sister computer scientists my lynch me for letting this powerful approach out of the bag. But there are several directions that you can take with this including setting up numerous virtual servers on a single Linux base platform. So if you make \$300,000 per year doing this then clearly in ten years you will have made \$3,000,000.

### **How to make \$10,000,000 by building Tiny Homes.**

Right now in on Albuquerque Facebook market place there are several new tiny homes for sale for around \$20,000. This is for a framed in home with windows, a roof and insulated shell. If you can make tiny homes for \$15,000 and have \$5000 in costs, "less cost and more profit depending on how good you get at finding free material" then if you build 48 tiny homes per year at a profit of \$15,000 each then in fifteen years you will have made \$10,800,000.

Okay you now have a business and you decide the franchise fee!

## Conclusion

**You Can Do It  
Just Start!**

The Journey of a Thousand Miles  
Begins with a Single Step

Lao-tzu



The wilderness and the solitary place shall be glad for them; and the desert shall rejoice, and blossom as the rose. Isaiah 35:1

We just need to Water our Deserts, Gods Peace Jeff

I can not possibly imagine that I did not make some dyslexic errors. I can have an object right in front of me that my brain will not interpret I am so dyslexic. So an English Professor may say you can not say that and this hippie linguist will say I just did. I hope this has been of value. My next book of fun and humor will hopefully have someone driving that can use the word processor rather than me who can teach you how to write a word processor!

God Bless You, Jeff

Appendix

The Blockchain  
Introduction to IBM Hyperledger Fabric

From Google

Hyperledger (or the Hyperledger project) is an umbrella project of open source Blockchains and related tools, started in December 2015 by the Linux Foundation, and has received contributions from IBM, Intel and SAP Ariba, to support the collaborative development of Blockchain-based distributed ledgers.

There are some great high paying jobs for this and it is the biggest in The Blockchain

# Introduction to Hyperledger Fabric

Presented by:  
Muhammad Arifujjaman  
&  
Sikdar Faysal Ahmed

**Special  
Thanks to**

**Muhammad Arifujjaman  
&  
Sikdar Faysal Ahmed**

For their Outstanding Introduction to IBM Hyperledger Fabric  
They have done some Quality Work!

# Hyperledger Fabric

- Hyperledger Fabric is a platform for distributed ledger solutions in industrial level.
- A modular architecture,
- Delivers high degrees of confidentiality, resiliency, flexibility and scalability.
- It is designed to support pluggable implementations of different components, and accommodate the complexity and intricacies that exist across the economic ecosystem.

## Cont.

- The Linux Foundation founded Hyperledger in 2015
- Like other blockchain technologies, it has a ledger, uses smart contracts, and is a system by which participants manage their transactions.
- Breaks from some other blockchain systems is that it is **private** and **permissioned**.
- Ledger data can be stored in multiple formats, consensus mechanisms can be switched in and out.
- Offers the ability to create **channels**, allowing a group of participants to create a separate ledger of transactions.

## Cont.

- Hyperledger is based on blockchain but its not a crypto currency.
- There is no mining, just order system do it.
- Operational power: 0.5 million operations per minute where as other blockchain does only 1000.

# In One Word

- Hyperledger Fabric is enterprise grade distributed ledger based on blockchain technologies that uses smart contracts to enforce trust between parties.
- Hyperledger in general do not enforce any requirements about the hardware, network infrastructures, additional software around it, security models etc.
- No concept of computational power.



# Advantages of Hyperledger Fabric

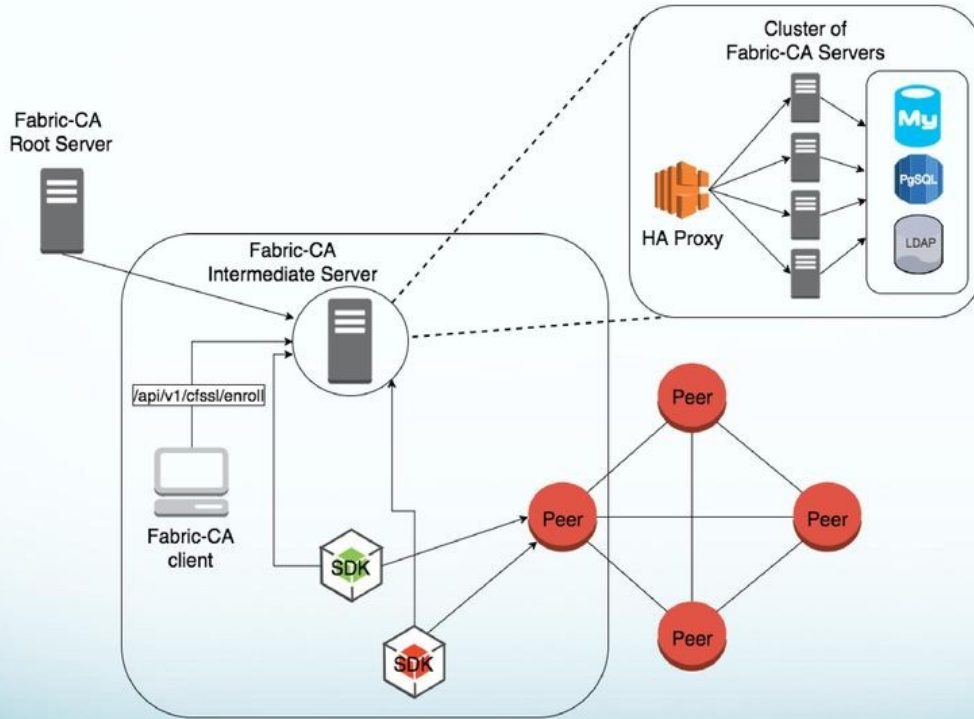
- Permissioned membership
- Performance, scalability, and levels of trust
- Data on a need-to-know basis
- Rich queries over an immutable distributed ledger
- Modular architecture supporting plug-in components
- Protection of digital keys and sensitive data

# Fabric CA

The Hyperledger Fabric CA is a Certificate Authority (CA) for Hyperledger Fabric.

It provides features such as:

- registration of identities, or connects to LDAP as the user registry
- issuance of Enrollment Certificates (ECerts)
- certificate renewal and revocation
- consists of both a server and a client component.



Text

## CA cont.

- Every single operation that is executed inside hyperledger fabric must be cryptographically signed with this certificate.
- You can add attributes, roles
- Certificates are X.509 standards.
- You can remove the necessity of certificates if you don't need it.
- Chaincodes read this data and make business decisions.

## CA cont.

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# Peer

- Peer is the place where the ledger and the blockchain data is stored.
- You must have more than one peer in production.
- One peer may be part of many channels.
- Every single channel is inside the peer.
- It endorse any update of the ledger.
- You can create backup of the ledger from the peer

# Ordering Service

- Ordering service is actually the heart of consensus algorithm and the heart of hyper ledger fabric.
- Main role is to provide the order of operations.
- before committing anything to ledger it must pass through the ordering service.
- it is responsible for verification, security, policy verification etc.

# Channel

- **Channel** is a private “subnet” of communication between two or more specific network members.
- A channel is defined by members (organizations), anchor peers per member, the shared ledger, chaincode application(s) and the ordering service node(s).
- Each peer that joins a channel, has its own identity given by a membership services provider (MSP).



# Channel cont.

- channels are completely isolated,
- they have different ledgers, different height of blocks, policies, stories, rules.
- completely isolated instance of hyper ledger fabric.
- never exchange data.
- outside of a channel , one can't even see that there is a channel.
- you can make a policy who can see the data in the channel and who can make an operation.
- every single party inside a channel must agree about other parties.

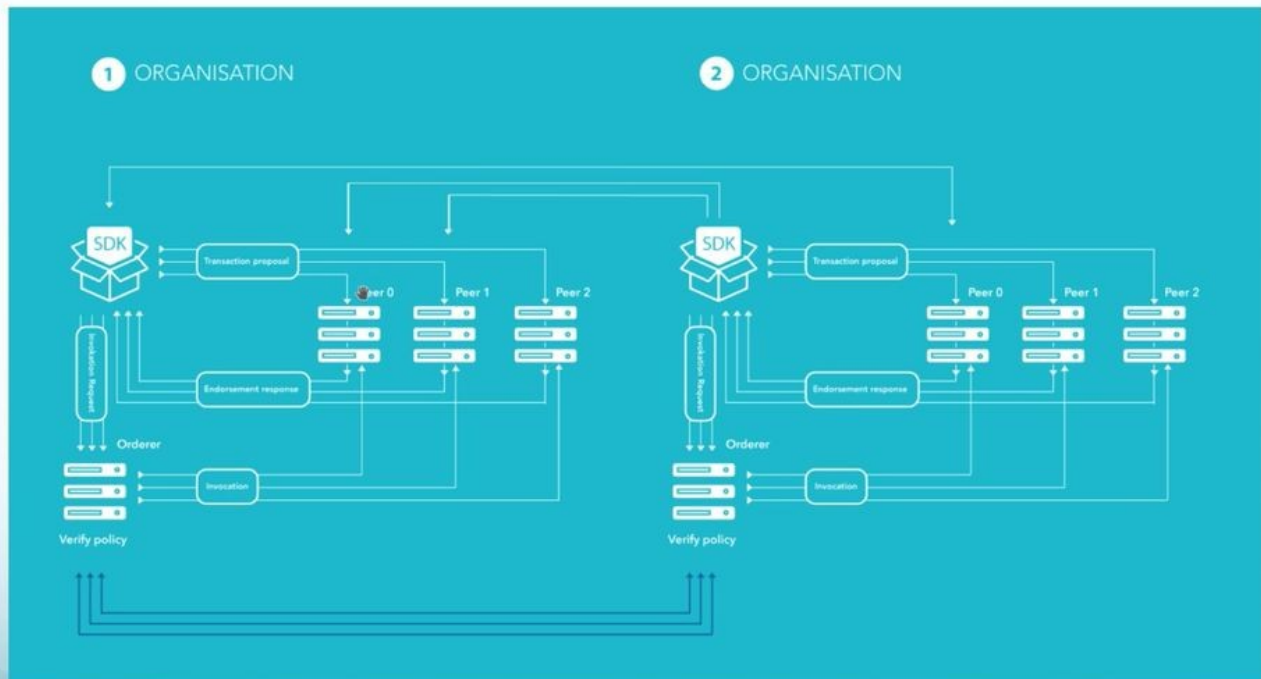
# Channel configuration properties

- **Versioned:** All elements of the configuration have an associated version which is advanced with every modification. Further, every committed configuration receives a sequence number.
- **Permissioned:** Each element of the configuration has an associated policy which governs whether or not modification to that element is permitted. Anyone with a copy of the previous config (and no additional info) may verify the validity of a new config based on these policies.
- **Hierarchical:** A root configuration group contains sub-groups, and each group of the hierarchy has associated values and policies. These policies can take advantage of the hierarchy to derive policies at one level from policies of lower levels.

# Chaincode

- A chaincode typically handles business logic agreed to by members of the network, so it is similar to a “smart contract”.
- All your business logic is inside the chaincode.
- It is written in Go. Implementations of Java and JavaScript are on the way.
- Chaincode must be installed in every peer and channel.
- Policy must be provided.

# Graphical explanation



For more Information on Hyperledger Fabric Go To

[https://w3engineers.com/wp-content/uploads/2017/10/hyperledger\\_fabric.pptx](https://w3engineers.com/wp-content/uploads/2017/10/hyperledger_fabric.pptx)