

# Critical Skills in a Post-Apocalyptic World

*I've been thinking lately about what life would be like in a post-apocalyptic world. What I mean is life after any TEOTWAWKI event, especially the idea of putting society back together again. While you and I might be able to survive to the end of our days without rebuilding society, our children can't. Where would they find spouses without some society being in place? They're sure not going to find them hiding in a cabin in the woods.*

Besides that, humans are social creatures. We need other people around us, not just for their abilities, but also to form relationships. Much of our understanding of ourselves and our self-worth comes from those relationships. Without them, we can lose our purpose in living.

Not only do we need society, but we need government as well. We don't need the massive and complex government we have today, but we need government, something more like the Founding Fathers envisioned. Without government, crime goes unstoppable and unpunished, and humanity will degenerate into destroying one another without government. We could even get to the point of causing our extinction.

Finally, I don't want to see my children and grandchildren grow up in a world where they have a worse life than my own. While there is a lot to be said for living the simple life, living off the land, that's a hard life without any of the creature comforts we've become accustomed to. Even if I were to want to choose that for myself, I wouldn't want to force my children into that lifestyle against their will. They should have the opportunity to choose whether they want the conveniences of modern life or which of those conveniences they wish to have.

But not only is it convenient, but it's also basic survival. One of the things that makes it possible for us to live as well as we do is that society is made of a myriad of different specialists, each providing what they can benefit the whole. Granted, some of those are unnecessary, but we certainly can't say that about medicine, agriculture, or a host of other specialties.

So, should we be struck by an EMP or other TEOTWAWKI event, it would be up to those who survived to rebuild whatever society there would be. That means that it would be up to us preppers, as we will probably be the majority of those who survive. Others may, too, but we will be a large portion of those still here.

What skills would be needed to bring at least some of society back to life in such a case? I'm not just talking about surviving here, but reestablishing something that looks like a semi-modern life, say how people lived in the early 1900s.

As I think about this, the areas which seem the most critical restoring to reestablish some society are:

- Electric power production and distribution
- Transportation, especially trucking
- Petroleum distillation for transportation
- Communications

This isn't a complete list. Although critical to survival, I've intentionally left off things like agriculture and medicine. But because they are essential to survival, they are not part of rebuilding society. I don't want to diminish their importance in any way but instead, focus on skills that may have been ignored or forgotten before.

# **Librarians**

This is probably the strangest sounding profession I'm putting on this list, but without the internet, we will have to resort to paper books to find out how to do the things we're going to need to do. Not only do librarians know, better than anyone, what their libraries hold and how to find it, but they are also trained researchers. There will be a lot of research needed, especially into finding old ways of doing things or ways to do something we've counted on major corporations doing for us.

# **Electric Power Generation Engineers and Technicians**

I'm not sure what the actual titles of these people are, but there are people out there who design and maintain our electrical power generation plants. If those plants ever get going again or if new plants are built, perhaps on a smaller scale, it will probably be due to the efforts of these people. This may require them to rebuild generators from the ground up, which they probably never did before.

As a sub-category of this, knowing how to build a hydroelectric plant would be incredibly valuable, especially for mountain communities where there is water available to power the turbine.

# **Linemen**

From what I understand about EMP, there's a strong chance that our electric power lines will be severely damaged. So to restore electric power will require running a lot of new lines, at least on a local level. That might also require making the wire, which is not something linemen are accustomed to doing. However, if any of the substations are repaired, it

will be due to the efforts of these linemen, working with spares stored in the electric company's yard.

## **Electricians**

While the linemen will bring the power to our homes and businesses, damage inside the houses will fall to electricians. Extensive repairs will be needed and modification to systems, finding ways of making things work that might be a bit unconventional.

## **Electronics Repair Technicians**

As we all know, an EMP will scorch all sorts of electronics. But it is those very devices that make modern life possible. It will be up to these electricians to test everything, repairing what needs to be repaired and replacing what can't be from stocks found in warehouses. That may require modification to the equipment, the way it interfaces with a more extensive system, or its use.

## **Practical Engineers**

Speaking of modifications, there's going to end up being a lot of redesign going on, including everything from power plants to communications. If factories are ever fired up again, it will probably be after engineers redesign the assembly systems and maybe even the manufactured products.

In my mind, there's a difference between a "practical engineer" and other engineers. Through the years, I've met a lot of engineers who can sit at a computer and design something; but they can't build or repair what they've designed. That's the separation between the two. There's going to be a lot of equipment and systems that engineers and technicians will have to go through, just trying to understand it, before they fix it and put it to work.

# **Equipment Mechanics**

This ties in with those same factories I was talking about and goes beyond that. Auto mechanics fix cars, but other mechanics fix equipment. Whether that's small engine mechanics that fix lawnmowers and other tools or equipment mechanics that fix assembly lines, they are usually the guys and gals who know the equipment the best and are most likely to find a way to get it working even if that means a bit of jury-rigging.

## **Auto Mechanics**

Whether or not cars are running after the disaster, getting them running again will be a high priority. We need transportation on both a regional and long-haul basis to do everything from carrying someone to the hospital to hauling food into town from the farm. That means running vehicles, many of which will probably have to be worked on extensively and perhaps even modified to make them work. Shade-tree mechanics, who are not accustomed to working with the latest computerized diagnostic equipment to work with, will be the ones we need.

The vehicles that will be the easiest to get running will be older ones, without all the modern electronics. Many younger mechanics know little to nothing about working on those cars, as all they've worked on has been modern cars with computer controls. Those old shade-tree mechanics, though, are used to working on those old cars and can make them run.

## **People with Knowledge of Petroleum Refining & Drilling**

While I'm sure there will be people who will cheer the destruction of all our cars and the electric grid, I'm also reasonably sure those people won't survive well. The fact is

until we find a reasonable replacement for it, we need the petrochemical industry and internal combustion engines. I don't know how they'll do it, but someone will have to come up with a way to get our refineries working, at least on a limited basis, if we're ever going to have the ability to transport goods from one place to another. That is a critical need, as not everything is ever available locally.

## Truckers

While it may not seem like a high priority, it will be the truckers who go out and find the goods our communities need and bring them back. Perhaps the trucking industry will change, with truckers each acting more as independent traders, using their trucks to haul around products for trade and bartering for products they know their own community needs or which they can later barter.

## Animal Trainers

Until electricity runs through the wires and trucks are back on the road, the only motive power we will have available to us, besides human muscle, is animal power. That's going to be a problem, as there are nowhere near the number of horses in the country as there were back when the automobile hit the scene. On top of that, even 10% of our population will far exceed our nation's population back then.

You can't just harness up a team and expect them to haul a wagon or throw a saddle on a horse and expect it to allow you to climb on its back. These animals need to be trained and become accustomed to doing the work we want them to do. Making that even more complicated, it probably won't be horses in many cases. Much of the farming will probably be done with oxen, as there won't be enough horses to go around.

# Phone Technicians

Today, our phone system is computerized and tied in with the internet to the point where you can't separate them. Attempting to rebuild that within a decade after such a disaster is unrealistic. Nevertheless, we will need that communication restored. That will probably mean rebuilding an older-style system, perhaps using rotary phones. Doing that will require a combination of finding old equipment to use and knowing how to hook it up and repair it.

# Ham Radio Operators

The primary means of communication right after the disaster and probably will be via Ham Radio for some extended time. The better Ham Radio operators also know how to maintain and repair their equipment, so it will be them if anyone gets on the air. They will become the source for news and communications that could reestablish some commerce.

# Blacksmith

Without industry up and operating, it will fall to the few blacksmiths in the country to make anything needed out of metal. The old country blacksmith was an artist with metal, making just about everything that people needed. While industrialized operations will once again replace them, they will play an essential role in bringing those industrialized operations back to life.

One good thing about the trade of blacksmithing is that they can work with pretty much any steel or iron; they don't have to have extruded shapes from the mill or even ingots. They could scavenge metal from the junkyard, melting it down and then hammering it into shape to make whatever they need.

# Woodworkers

Before the industrial revolution, much of what people used was made of wood or a combination of wood and the blacksmith's work. When we look back at how people lived in the 1800s, almost everything in the home was made of wood. All that has been replaced today, but the old ways will still work when needed.

As a sub-set of woodworking, coopers will become very important. We use plastic and metal barrels today, but the wood barrels of the coopers were the only way to go for centuries. Even today, cooperies still turn out barrels for aging whiskey and wine. Those barrels will be needed for much more, not only commercial products being shipped from their point of origin to their point of use but also for more basic things, like a water barrel to catch rainwater.

# Chemists

With the pharmaceutical industry shut down, doctors will have a real challenge treating people. The only medicine which will exist will be whatever is in stock in the local pharmacies and herbal medicine. Chemists will probably be enlisted to make what they can, such as ether, as soon as possible. From there, they'll move on to other essential medicines and then other valuable chemicals.

# Government

I hate putting this on here, as I'm not a big fan of what our government has become. Nevertheless, we will need some government, especially at the local level. Please note that I am not talking about politicians here, but rather people who know how to govern; there's a big difference. The only skill that many politicians have is getting their picture in the paper and getting elected. They have no idea how to lead and

even less about governing.

Perhaps the most critical part of that post-apocalyptic government will be the police. Without law enforcement, we're going to have to revert to vigilantes. While that may be all we have for a while, we would all be better off with trained and dedicated law enforcement officers doing the job.

## Teachers

If we don't educate our children, there will be little opportunity for society to be reestablished and our children and grandchildren to go forward. We will need true educators of the type that used to exist, teaching the 3 Rs and other critical information rather than the indoctrinators we have today. I wonder if there are any left.

## What Can You Add?

I'm sure this list is not complete; it's just what I've thought of so far. What other trades and skills will be needed to put society back together? Remember, I'm not talking ten years down the road or even five; I'm talking about the first group, the ones who will give us the stability of society so that we can then go forward.