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#### Fins, Feathers, and Fur





#### PONDS, FARMS,

The ponds were made of concrete, but there were some blue plastic tubs also present. I was fascinated by the coloration of the red goldfishes for they were really intense.

Beside the selling section was the off-limits packing area. A small place sold different goldfish art items as souvenirs.

There was a section for breeding and quarantine, too. The farm owner lived at the back of the area. Sadly, the famous goldfish photo booth was no longer available.

My articles are based on research and personal experiences. For questions, please email azcreations@yahoo.com.

Prepare your work outside; get everything ready for yourself in the field, and after that build your house.

Proverbs 24:27 ESV













quarantine 6. Goldfish form

the gallery section



I felt both happy and sad: sad, because I could feel that the founder's vision was not sustained; happy, because I learned a lot and was inspired to jumpstart my own goldfish place. My idea was to have a mix of the old-fashioned goldfish with my modern fiberglass designs.

I stay hopeful that the keepers of the fish farm would restore the place and improve it so that it was in keeping with the founder's vision.

Going back to our hotel,



# UN FACT

March 1 is Pig Day! Observed around the world, though most commonly in the United States, Pig Day was founded in 1972 by sisters Ellen Stanley and Mary Lynne Rave.

But why even have a special day just for pigs? According to its founders, Pig Day was created "to accord the pig its rightful, though generally unrecognized, place as one of man's most intellectual and domesticated animals."

Pigs are highly intelligent indeed: They're actually one of the smartest domesticated animals, more so than dogs, according to National Geographic Kids. In the 2015 paper Thinking Pigs, researchers Lori Marino and Christina M. Colvin agree that

pigs are "cognitively complex" beings who possess long-term memories, understand symbolic language, solve complex problems, and feel empathy.

In short, our porcine friends are awesome and worthy of recognition! Check out these six pigs who got just that and gained a significant following on the Internet.

## THE WONDER PIG



1.4 million Facebook fans and almost half a million followers, Esther the Wonder Pig truly is an Internet

presented as a micro pig when she was little, she grew be 600 pounds in just a few years. Instead of giving her up her size, Esther's dads, Steve Jenkins and Derek Walter, their family to an Ontario farm, which also serves as the adjuarters of the Happily Ever Esther Farm Sanctuary.

since coming into their lives, Esther has inspired her dads to become animal activists and rescue neglected farmed animals, which is known as the Esther Effect!

#### PIG ON WHEELS



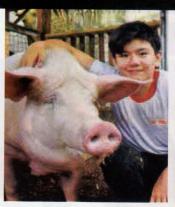


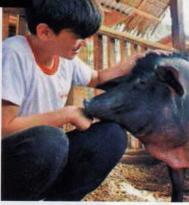
Born without the use of his hind legs, Florida pig Chris P. Bacon was taken to veterinarian Len Lucero to be put down due to his congenital deformity. Luckily, Lucero decided to adopt Chris, brought him home, and made him a wheelchair out of toys. He then posted a video of the adorable piglet learning to use his first set of wheels for his out-of-state friends and family, but hundreds of thousands of other people also saw it, and boom -- a star was born.

Chris has since appeared on several TV shows, including *Anderson Live* and *The Today Show*. Recently, this special pig celebrated his sixth birthday!

CHRIS P. BACON

#### ROCKY AND PEPPA





Rocky and Peppa are two lucky piggies who are roommates in the Davao City-based Happy Animals Club (HAC). Both were rescued by the no-kill shelter from certain death a couple of months apart in early 2018. Rocky was spotted desperately trying to escape the truck that was taking him to slaughter, while Peppa was a pet slated to be sold to a *lechonan* (pig roaster). In both cases, animal lovers and shelter supporters chipped in to help fund their rescues.

These days, Rocky and Peppa can be seen munching on fruit, taking naps, and doing piggie things on HAC's Instagram page, where their photos and videos have gotten tens of thousands of likes.



LORD HAMILTON In addition to looking cute for the camera, Lord Hamilton uses his charm to make a difference in his local community. As the Director of Emotional Support for the Arizona non-profit Happily Ever After League (HEAL), Lord Hamilton brings smiles to the volunteers and families of the HEALing House, where mothers recovering from cancer receive assistance.

According to the HEAL website, their Director of Emotional Support loves making new friends and knows how to sit, spin, give high fives, and play the piano with his snout. He also enjoys going for walks on a leash -- wait, is Lord Hamilton a pig or a dog?

#### THE SURFING PIG





#### KAMA

Pigs can't fly, but they sure can surf! At least, this Hawaiian pig called Kama can.

Before he was a surfing celebrity, Kama was an orphan piglet. In an interview with Hawaii News Now, Kama's dad, Kai Holt, said that he was on a camping trip with his family when a piglet walked into his cabana. He adopted the young pig and named him Kamapua'a. Holt later found out that pigs could swim after Kama accidentally fell into his pool at home, and they've been surfing together ever since!

Kama likes surfing three- to four-foot waves and simply hops back on his board if he gets wiped out. This pig certainly knows how to hang loose!

## WHAT ARE FIREFLIES?

Fireflies aren't actually flies; they're beetles, and they are also called lightning bugs. They belong to the insect order of *Coleoptera*, family *Lampyridae*, according to Encyclopaedia Britannica. They are so named because of organs at the underside of their abdomens which produce biochemical light.

Fireflies are present practically all over the world, with the exception of the poles and other very cold areas. They are classified as omnivores, meaning they can practically eat anything -- but this may qualify more for their larval stage.



Firefly lights are 100 percent efficient, which means that none of the energy is wasted as heat when the lights are on. To give one an idea, incandescent light bulbs emit only 10 percent of the energy going through it as light, with 90 percent emitted as heat. Fluorescent bulbs emit energy at 90% light, 10% heat.



#### HOW FIREFLIES LIGHT UP: A CHEMICAL ROMANCE

Firefly lights aren't just pretty; they are biological and chemical marvels. While humanity is still struggling to make a better light bulb that is not as hot and is still very bright, firefly light is cold, according to Firefly.org.

Firefly light is caused by two chemicals: luciferin and luciferase.

Luciferin is a heat-resistant chemical and it glows given the right triggers. Luciferase, on the other hand, is a chemical that does trigger the emission of light, sort of like the sparking mechanism in a lighter. These two chemicals work with adenosine triphosphate (ATP), found in living organisms. [ATP also happens to be a basic and necessary component of many biological activities in humans. -Ed.]

ATP becomes the energy source for a firefly's glow. However, the firefly regulates the brightness of the light by controlling the flow of oxygen to the photocytes, the cells that contain the two important chemicals, according to a 2010 article by George and Becky Lohmiller for The Old Farmer's Almanac. That's how they can make the lights "flash."

It's proof that Nature is a superior biochemist.