

PART ONE

Early Organisms

Organismi Primae

Literally translating to “early organism”, little is known about this early aquatic creature but it is believed that all organisms in the “hardware” domain have the *Organismi Primae* as an ancestor. From the locations of fossils, scientists believe these creatures stayed close to the surface, inhabiting natural caves and eating algae off of rocks. The shape is unknown but it was likely similar to a plastic bowl since metal was discovered much later.

Orange lid - Operculo Aurantiaco

Qualities: orange, curved, ridged, wide

Reason for Evolution:

Closely related to *Organismi Primae*, the evidence suggests that these individuals were attempting to stray farther from the rocks they lived within close to the surface. The *Operculo Aurantiaco* grew a longer tail to support the much more vigorous swims. However, the bright orange color made an easy target for predators and the *Operculo Aurantiaco* quickly died out.

Domain: “Hardware”

Kingdoms: “Plastic”

Phylums: “caps”

Class: “closed top and sides”

Order: “ridges”

Family: Aurantiaco

Genus: Operculo

Grey Point - Griseo illud

Qualities: grey, curved, ridged, slender

Reason for Evolution:

Evolving from a mutation of *Operculo Aurantiaco*, the illud family will be extremely successful. *Griseo Illud* has a more slender shape, making it easier to cut through water. They still stayed very close to the surface and feed on algae, but were more mobile than *Operculo Aurantiaco*

and began migrating out of the rocks to live on the surface out in the open. Their fins took on a drastically different shape, which made it easier to avoid predators.

Domain: "Hardware"

Kingdoms: "Plastic"

Phylums: "caps"

Class: "open top with sides"

Order: "vertical ridges"

Family: illud

Genus: Griseo

White point - Album Illud

Qualities: white, ridged, curved, skinny

Reason for Evolution:

A close relative to *Griseo Illud*, the main adaptation of the *Album Illud* is a more efficient gill system. The higher oxygen intake gave *Album Illud* a longer endurance and is believed to be the first to completely leave the rocks near the surface. Their food source is unknown but most likely found in the coral reefs that reached up to the surface, possibly most likely the algae within the coral polyps.

Domain: "Hardware"

Kingdoms: "Plastic"

Phylums: "caps"

Class: "open top with sides"

Order: "horizontal ridges"

Family: illud

Genus: album

Black horseshoe - Solea Nigrum

Qualities: black, U-shaped, small

Reason for Evolution:

Part of different branch than *illuds*, are *nigrums*. *Solea Nigrum* was thought to be an incomplete fossil of *Clavus Nigrum* until recently. In fact, it is likely that *Clavus Nigrum* was evolved from solea. Not much is known about *solea* except that they hid in the rocks. That explains their odd shape and the location many of their fossils were found. They were black to help with camouflage. As far as scientists can tell, they are an extremely close relative to *Organismi Primae*.

Domain: "Hardware"

Kingdoms: "Plastic"

Phylums: "pointed"

Class: "u-shaped"

Order: "curved"

Family: nigrum

Genus: solea

Black Plastic Nail - Clavus Nigrum

Qualities: black, pointed

Reason for Evolution:

Evolving from *Solea Nigrum*, scientists believe the two fins of *solea* fused together, creating a stronger species from the combination of the two. Although, this did not change its habits of hiding from predators since their size put them at the bottom of the food chain. Yet, it was an important transitional species as it had some of the qualities starting to evolve that would be present in organism that make it onto land.

Domain: "Hardware"

Kingdoms: "Plastic"

Phylums: "pointed"

Class: ""

Order: "straight"

Family: nigrum

Genus: Clavus

Open Water Dwelling

Winged Circle - Circulus Avium

Qualities: circular with curved "wings"

Reason for Evolution:

A new bone structure was necessary for going into open water, beginning with the *avium* with wing-like tails that allowed the *avium* to "fly" through the water. It was extremely quick and was able to evade predators. The revolutionary characteristic about the *avium* is that it left the reefs and rock for open water. We are not sure what prompted the change, but with the arrival of new species, it is possible food was scarce. *Avium* was the first successful organism in the "hardware" domain to venture into open water and thrive. Its food source is still unknown.

Domain: "Hardware"

Kingdoms: "Metal"

Phylums: "not pointed"

Class: "winged"

Order: "curved"

Family: circulus

Genus: avium

Closed Circle- Circulus Clausa

Qualities: circular, silver, metal

Reason for Evolution:

A new bone structure was necessary for going into open water, the beginning of which can be seen in the *Clausa*. *Circulus Clausa* is a transitional species that showcased the first full set of a “metal” bone structure. “Metal” was not as brittle as “plastic”, but did not have a strong set of fins and died out quickly. However, an advantageous mutation saved a few individuals who would make up the *Contritum* genus.

Domain: “Hardware”

Kingdoms: “Metal”

Phylums: “not pointed”

Class: “circular”

Order: “curved”

Family: circulus

Genus: Clausa

Broken Circle- Circulus Contritum

Qualities: circular with break in silver metal

Reason for Evolution:

Evolved from a mutation in *Clausa*, *Circulus Contritum* faired slightly better than its ancestors. However, the individual still was not successful in leaving the rocks and reefs. It's weak fins could not carry *Contritum* long enough or fast enough to survive. It too died out.

Domain: “Hardware”

Kingdoms: “Metal”

Phylums: “not pointed”

Class: "circular"

Order: "curved"

Family: circulus

Genus: contritum

Lifted Circle - Circulus Leavi

Qualities: silver circle with black underlayer, metal

Reason for Evolution:

Circulus Leavi is a close ancestor of *Circulus Contritum*. Predators were taking advantage of the relatively unprotected skull of the original *contritum*, resulting in a random mutation. This adaptation solved the issue of previous generations with a layer of protective tissue present in *leavi*.

Domain: "Hardware"

Kingdoms: "Metal"

Phylums: "not pointed"

Class: "circular"

Order: "curved"

Family: circulus

Genus: leavi

Hexagonal Circle - Circulus Sexangular

Qualities: thick, metal, circular with pointed edges in a hexagonal shape

Reason for Evolution:

A different organism evolved from *Circulus Contritum* is the *Circulus Sexangular*. A different solution to the same problem of the unprotected head is the hexagonal shaped bone that was more resistant to impact. This individual faired well against predators.

Domain: "Hardware"

Kingdoms: "Metal"

Phylums: "not pointed"

Class: "circular"

Order: "curved"

Family: circulus

Genus: sexangular

Lifted Hexagonal Circle - Circulus Leavi Sexangular

Qualities: thick, metal, silver, ridged top layer

Reason for Evolution:

For reasons unknown, fossils of this organism started to appear in the habitats of both *Leavi* and *sexangular*. It is thought that since they were both highly successful, they reproduced cross breeds. This generation was extremely successful and would be alive for a long time.

Domain: "Hardware"

Kingdoms: "Metal"

Phylums: "not pointed"

Class: "circular"

Order: "curved"

Family: circulus

Genus: leavi sexangular

Domed hexagonal circle - Circulus Domed Sexangular

Qualities: hexagonal with half spherical protrusion, silver, metal

Reason for Evolution:

Sexangular organisms had a mutation which led to a more successful version (this organism lived in tandem with *leavi sexangular*). The head being more separate from the body was the first of its kind and is another important step toward land inhabiting organisms.

Domain: "Hardware"

Kingdoms: "Metal"

Phylums: "not pointed"

Class: "circular"

Order: "curved"

Family: circulus

Genus: Domed Rectangular

Seafloor Scavengers

Wavy Metal- Elate palmarum

Qualities: metal, silver plate with wave-like ridges

Reason for Evolution:

Different from the other organism talked about thus far, *palmarum* is an ocean floor dweller. It was the first of its kind in the "hardware" domain, scavenging off of small plants and animals. It is also the first known omnivore in the "hardware" domain. The exact origins of the wavy metal species are unknown, but it is probably a relative of *Circulus Contritum*, possibly from a mutation before the species died out.

Domain: "Hardware"

Kingdoms: "Metal"

Phylums: "not pointed"

Class: "flat"

Order: "curved"

Family: Elate

Genus: plamarum

Transition to Land

Bent Metal - Metallum Tetenit

Qualities: silver, U-shaped, metal

Reason for Evolution:

Metallum tetenit was another bottom dwelling organism. Similar to palmarum it is likely that *Tenetit* evolved from *Circulus Contritum*. Since *Palmarum* and *Tetenit* were competing for food sources, naturally one would eventually die out. This was *Palmarum*, leaving *Tetenit* as the king of the bottom dwellers for a long time.

Domain: "Hardware"

Kingdoms: "Metal"

Phylums: "not pointed"

Class: "u-shaped"

Order: "curved"

Family: Metallum

Genus: Tetenit

Closed Hook - Hamo Clausi

Qualities: circular top with straight, ridged bottom, silver, metal

Reason for Evolution: *Hamo Clausi* was the first organism to head to land. Evolving from *Metallum tetenit*, *Hamo Clausi* grew a closed in loop that allowed it to move. From extensive testing, it had been determined that *Clausi* was an omnivore, eating small kelp plants in the water and tiny insects on the beach. They lasted a short while but then died out since their living on the beach left them exposed to predators such as birds.

Domain: "Hardware"

Kingdoms: "Metal"

Phylums: "Hook"

Class: "Closed"

Order: "Silver"

Family: Hamo

Genus: Clausi

Gold Hook - Hamo Aurum

Qualities: hooked end with straight ridged bottom, gold, metal

Reason for Evolution:

The failure of *Hamo Clausi* did not stop evolutionary changes shifting some organisms toward land. The "open hook" shape of *Hamo Aurum* gave more mobility and the golden color aided in camouflage. Still a transitional species, *Hamo Aurum* still had a tail and probably still spent time in water. But most likely it ate on land and hid from predators in the water. It was able to climb trees to get food at the top such as fruit. Aurum was a herbivore. However, the hook was bulky and Aurum was unable to transition from land to water fast enough to escape predators. They lasted a short while but then died out.

Domain: "Hardware"

Kingdoms: "Metal"

Phylums: "Hook"

Class: "Closed"

Order: "Silver"

Family: Hamo

Genus: Aurum

White Hook - Hamo Alba FIX!!!!

Qualities: hooked end and straight, ridged end, white, metal

Reason for Evolution:

Hamo Alba evolved from *Hamo Aurum* because *Aurum*'s gold color became less suitable for the winter months. *Hamo Alba*, being all white was not only able to camouflage with the white snow

in its habitat, but it also blended well with flowers and such during the other seasons. *Hamo Alba* was also fully adapted to being on land and no longer able to be considered a water dweller. This also meant Alba could move away from the beach and into a more suitable environment that allowed Alba to be less exposed.

Domain: "Hardware"

Kingdoms: "Metal"

Phylums: "Hook"

Class: "Closed"

Order: "Silver"

Family: Alba

Genus: Hamo

Land Organisms

Very Large Topped- Ingentem cumulum

Qualities: metal, top with wide diameter

Reason for Evolution:

The *Ingentem Cumulum* was the first species to fully transition to walk completely upright. Being able to walk straight up made running and avoiding predators easier. *Magnae Cumilum Parvum* lived on for a while, but *Cumulum Accedit Parvum* and *Dum Metallum Clavus* eventually died because of the cold environment which they lived in. Species had not mastered hibernation or thick winter coats.

Domain: "Hardware"

Kingdoms: "Metal"

Phylums: "straight"

Class: "Closed"

Order: "Silver"

Family: Hamo

Genus: Aurum

PART TWO

Small Topped - Cumulum Accedit Parvum

Qualities:

Reason for Evolution:

Starting the Parvum family, Cumulum Accedit Parvum moved from the Beach to the forested areas. Most of the forest dwelling organisms hide from predators in the trees. Accedit lived in holes made in trees. They could nimbly move from branches to other branches. They ate small insects and berries.

Domain: "Hardware"

Kingdoms: "Metal"

Phylums: "Hook"

Class: "Closed"

Order: "Silver"

Family: Hamo

Genus: Aurum

Long Nail - Dum Clavus Parvum

Qualities:

Reason for Evolution:

Closely related to Cumulum Accedit Parvum, Dum Clavus swung in the trees leaving the security of the holes in the trees. To sleep they nestled in vines. They co existed with Cumulum Accedit.

Domain: "Hardware"

Kingdoms: "Metal"

Phylums: "Hook"

Class: "Closed"

Order: "Silver"

Family: Hamo

Genus: Aurum

Ridged Nail - Absidue Veniebat

Qualities:

Reason for Evolution:

Domain: "Hardware"

Kingdoms: "Metal"

Phylums: "Hook"

Class: "Closed"

Order: "Silver"

Family: Hamo

Genus: Aurum

Tiny Nail - Minima Clavos Anuarum

Qualities:

Reason for Evolution:

Evolving from Dum Clavus Parvum, Minima Clavos Anuarum was a smaller version. The size gave them an advantage to hid. They created large colonies inside of trees. Although they were easy prey from flying creatures, their large population allowed them to continue to thrive.

Domain: "Hardware"

Kingdoms: "Metal"

Phylums: "Hook"

Class: "Closed"

Order: "Silver"

Family: Hamo

Genus: Aurum

Very Large Topped- ingentem cumulum

Qualities:

Reason for Evolution:

The First completely land living

Domain: "Hardware"

Kingdoms: "Metal"

Phylums: "Hook"

Class: "Closed"

Order: "Silver"

Family: Hamo

Genus: Aurum

Silver Rounded Top-Rotundum Argenteum

Qualities:

Reason for Evolution:

Due to Geographic isolation Rotundum Argenteum developed a flat bottom instead of a point.

Since they lived in colder environments, where ice froze, The flat bottom allowed them to slide over the ice instead of breaking the surface.

Domain: "Hardware"

Kingdoms: "Metal"

Phylums: "Hook"

Class: "Closed"

Order: "Silver"

Family: Hamo

Genus: Aurum

Gold Rounded Top - Rotundum Aurum

Qualities:

Reason for Evolution:

Similar to Rotundum Argenteum, Geographic Isolation came into play. Aurum moved to the beach and developed a golden color to blend in with the sand. They ate small crabs and burrowed in the sand for shelter at night.

Domain: "Hardware"

Kingdoms: "Metal"

Phylums: "Hook"

Class: "Closed"

Order: "Silver"

Family: Hamo

Genus: Aurum

Line Topped - Cacumina Versus

Qualities:

Reason for Evolution:

Evolving from Rotundum, Cacumina Versus had a flat line of a mouth. This enabled them to chop through the ice flows. They ate by "ice fishing". They dug a hole in the ice and stuck their head in, then they waited for a fish to come along.

Domain: "Hardware"

Kingdoms: "Metal"

Phylums: "Hook"

Class: "Closed"

Order: "Silver"

Family: Hamo

Genus: Aurum

Wide Curved Top - Versus Accedit Cacumina

Qualities:

Reason for Evolution:

They also had the flat bottom for traversing ice floes. They also had a rounded top that let them move snow. They built igloo type shelters.

Domain: "Hardware"

Kingdoms: "Metal"

Phylums: "Hook"

Class: "Closed"

Order: "Silver"

Family: Hamo

Genus: Aurum

Wide Curved Topped - Curvam Summitatem

Qualities:

Reason for Evolution:

Also evolving from Absidue Vieniebat , Curvam Summitatem kept the point and used it to burrow underground. They ate the roots off of trees and were destructive for you plants.

However, this made them an important member of the ecosystem. This prevented overcrowding of plants on the forest floor.

Domain: "Hardware"

Kingdoms: "Metal"

Phylums: "Hook"

Class: "Closed"

Order: "Silver"

Family: Hamo

Genus: Aurum

Small Curved Top - Parve Curvam Summitatem

Qualities:

Reason for Evolution:

Very similar to Curvam Summitatem, Parve have a smaller head which made it easier to burrow through crowded spaces. It was a small but important adaptation.

Domain: "Hardware"

Kingdoms: "Metal"

Phylums: "Hook"

Class: "Closed"

Order: "Silver"

Family: Hamo

Genus: Aurum

Filled in Indent - Repleti indent

Qualities:

Reason for Evolution:

An odd mutation of Parve which was blind. Although it seemed to do well for a while, being able to see was still an important trait. For the times Repleti went above surface, not being able to see got them killed quickly.

Domain: "Hardware"

Kingdoms: "Metal"

Phylums: "Hook"

Class: "Closed"

Order: "Silver"

Family: Hamo

Genus: Aurum

Multiple Pointed - Multa qua Recta

Qualities:

Reason for Evolution:

A mutation of Parve that seemed to have no impact on the success of the organism.

Domain: "Hardware"

Kingdoms: "Metal"

Phylums: "Hook"

Class: "Closed"

Order: "Silver"

Family: Hamo

Genus: Aurum

Straight Long - Quamdiu Recta

Qualities:

Reason for Evolution:

Another direct descendant of Parve. This is the first of the Recta family, a highly efficient underground burrowing colony of organisms. They had a flat head for easy burrowing.

Domain: "Hardware"

Kingdoms: "Metal"

Phylums: "Hook"

Class: "Closed"

Order: "Silver"

Family: Hamo

Genus: Aurum

Straight Short - Brevis Recta

Qualities:

Reason for Evolution:

Similar to Quamdiu but shorter. The shorter length was a good mutation that made traversing windy tunnels easier.

Domain: "Hardware"

Kingdoms: "Metal"

Phylums: "Hook"

Class: "Closed"

Order: "Silver"

Family: Hamo

Genus: Aurum

Gold Straight - aurum Recta

Qualities:

Reason for Evolution:

One of the last adaptations of the Recta family. The gold color camouflaged with sap that leaked from tree roots.

Domain: "Hardware"

Kingdoms: "Metal"

Phylums: "Hook"

Class: "Closed"

Order: "Silver"

Family: Hamo

Genus: Aurum

Black Straight - Nigrum Recta

Qualities:

Reason for Evolution:

The black color absorbed heat keeping Nigrum Recta warm in the winter. It also made it safer for them at night.

Domain: "Hardware"

Kingdoms: "Metal"

Phylums: "Hook"

Class: "Closed"

Order: "Silver"

Family: Hamo

Genus: Aurum