## The Issue 5: Winter/Spring Post



### An Unofficial Gamma World E-zine

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#### Covering All Versions of the GAMMA WORLD® RPG

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The Apocalyptic Post supports all six editions of the GAMMA WORLD® roleplaying game. To the extent that they overlap with one or more of the various GAMMA WORLD® editions, this publication also supports other roleplaying systems and settings (i.e.: ALTERNITY®, d20, etc).

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#### Volume 1: Issue 5: Winter/Spring

Table of Contents; for both the lazy and the organized

#### THE SLEETH SPEAKS

It seems that these days we are only three steps from living Gamma World. Problem is that when the bombs drop, we aren't going to be sprouting any wings. However the idea of humans with wings is something not so far fetched anymore anyways. Before Gamma World, we get to live in Cyberpunk, remember.

Already we have robots to fight our wars. A recent article in the New York Times talks all about the uses of robots in the combat field ranging from spotting to killing. Laser light weapons are not a thing of the future, but rather a reality today. Taking animal husbandry to the next level all together, we have found both the human genome code and the secrets to cloning.

Without the benefit of DNA level manipulation, people have done some pretty crazy things with our animals already. Look at the freakish assortment of our 'best friend' the dog. Most of these breeds have been cultivated by human hands. Now natural selection and evolution has its hand in the dogs look, but we are the reason for many of the more exotic (and helpless) versions. Now that we can go beyond the mating level and REALLY get in the works of these beasts, imagine the results that some of the fanatics create. It will be interesting.

Beyond pets, think of what people will do to themselves. Think of some of the folks we have today when their options are only piercing and tattoos. Now add gene manipulation to the mix. We'll have a very different society 100 years from now.

So as the saving goes, truth can be stranger than fiction. For the time being we get to retreat to our own varieties of our own shattered future. Cheery? Remember it is postapocalyptic game, not post-picnic. This issue has some real cool stuff in it that I think will let your world shine.

For example, check out Derek's Plant and Animals feature, it is a great resource for 'flavor' to your campaign and setting. Also, you will find piles of weapons and charts to help flesh out a quick game or to answer the question, "What can I buy in this town? or "What is there to do here?" Enjoy.

#### **Benjamen Hebert**

Until next time. Send your comments, concerns, and submissions to gammazine@otherworldgames.com



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### The Ecology of the Land Shark - 5th - Kerry Jordan

"Ah, come to ol' Bram for information have ya? Well, you're smart for beginners, I'll give ya that. Of course, if you were really smart, you'd turn around, head back out that door, and try to 'prentice yourself to a useful trade. Not goin' to listen, eh? Guess I can't blame ya... I didn't listen at your age neither."

"Well, let's see... you're wanting to know about the Dead Zone? Dangerous place... not too

many know about it since not too many ever return from it. Oh, I've been there at least 'round the edges. I've never been real deep into it, but I have learned a few things. For instance... ah, the memory seems to escape me... I'm just so preoccupied with trying to make a living now. Perhaps I should have saved more of my wealth from my youth, but hind-sight is 20/20, or so they say... oh, you're so gen'rous... with an offer like

this, I might be able to push back my money worries for a time..."

"First things first, if ya go too far into the Zone, you're goin' to need some protection from the Glow. Along the outskirts, it's not much different than anywhere else, but once inside, you'll get one heck of a sunburn - even at night."

"Second, and ya better be listening, boy, the place may seem desolate and lifeless, but the shifting sands hide deadly predators. One of the worst is land sharks. Never heard of 'em? Why am I not surprised? Land sharks are just what their name implies, sharks that swim through sand like water. They're large monstrosities, roughly 4 and a half meters long, with nasty bites and dark hides, but ya usually won't see too much of them before they strike; they travel below the surface of the sand, with only their large triangular fins visible. They tend to circle their prey before attacking, continuously spiraling in until ready to strike. I'm not real sure of the reason why they do this - perhaps some sort of hold-over instinct from their ancestors, or maybe they're trying to determine the strength of their prey. An ol' partner of mine and I use to argue about their intelligence... let's see... what was his name? Jimm? Jason? Bah, I guess you can tell age has robbed me of more than my good looks. Anyway, I always thought the bastards acted too damn smart for some blood-thirsty animal. They always seemed to know when we were at our weakest, and they never let up. Once, a group I was with was tracked by a pack until we reached solid ground, about 10 miles away from the dunes where we first encountered them. Oh,

The Ecology of the Land Shark - Kerry Jordan

smart guy, huh? Yes, the width of the Dead Zone is less than 10 miles, but I never said that land sharks could only be found there, did I, boy? That particular group I was with was attempting to 'stablish a trade route through the Barren Wastes. It was a rather unsuccessful attempt and seeing as how it's not what ya paid for, I don't think I'll go into it. Now sit back and

be quiet and ya might, and I mean might, learn something."

"The best way I know to harm a land shark is to target his back fin, preferably while he's still circling. (Those things are darn hard to hit coming in straight at ya.) Of course, if ya really want to press your luck, you can wait until he bursts out of the sand, but that's not an option I'd

recommend. Well boys, it's been nice talking to ya <JINGLE, JINGLE>, but I really got to go... the Misses will be expecting me soon, and I've yet to find a weakness I can exploit of that vicious beast..."

The land shark's length ranges from 4 meters to 5.5 meters. Its hide is generally a dark tan or a light sand color (in order to more easily blend with its surroundings).

While prowling for food, a land shark's dorsal fin will be extended its full 1.5 meter length above the sand.

The dorsal fin of a land shark is actually composed of minute, filtered openings which act together to form a kind of nose. A land shark hunts by exposing the fin's sides (and thereby exposing his filtered openings) to the wind; thus, allowing it to track the scents borne by the air. When within roughly ten meters of its prey, the land shark will begin to spiral toward its intended prey in order to determine the prey's exact location.

Land sharks are not smarter than other animals; they are simply drawn to the smell of blood and are very tenacious once blood has been drawn.

The sand through which a land shark burrows provides him with extra protection against attacks (consult land shark description). The only instances a land shark is not protected by a layer of sand are when it attacks and when it is hunting with its dorsal fin exposed.



#### The Mutant Menagerie

Land Sharks - 5th

These vicious mutated descendents of the tiger shark are the terrors of the desert.

#### Game Data

STR	15 (d4+12)	INT	2 (Animal 10 or d6+7)		
DEX	13 (2d4+8)	WIL	8 (d6+6)		
CON	13 (d4+10)	PER	1 (Animal 3 or d4)		
Durability	13/13/7/7	Action Check	15+/14/7/3		
Move	crawl 1; bu	irrow 20 (sp	orint); 12 (run); 4 (walk)		
# Actions	2	Reaction Score	Ordinary/2		
Mutations	Directional Sense, Life Detection*, Telekinesis* <b>Mutations</b> * These mutations differ from the norm; consult the land shark's description for detailed information.				
Attacks	Bite 15/7/3 d4+3w/d6+3w/d4+1m LI/O				
Defenses	I NICK NIDE: 04 (LI), 04-1 (HI), 04-2 (EN)				
Skills	Stamina [13]; Awareness [8]-perception* [10]; Investigate [8]-track* [14]; Resolve [8]-physical resolve [13]. * These skill scores are based on the land shark's exceptional sense of smell, its life detection mutation, and its directional sense mutation.				

Description: Land sharks average 4-5.5 meters in length and have dorsal fins that normally extend 1-1.5 meters above their bodies. Their dark tan or light sandcolored hides are very thick and rubbery. The land sharks' pectoral fins have developed into short, stubby claws, while their eyes and ears have disappeared, leaving only slightly bulging nodes in their hides. Their gills are still functional, but are not used in the same manner as their ancestor's. Land sharks have developed respiratory systems that allow them to inhale and expunde air through their gills, which have developed a thin membrane to filter the dust out of the air. Additionally, the land sharks' dorsal fins have developed minute pores along the sides which allow the fins (when against the wind) to be used to scent potential prey. These pores are filtered like the gills and may be used to breathe fresh air while the land shark is burrowing through the sand.

Land sharks move by burrowing through loose sand or gravel. Their pectoral claws only assist them with this

The Mutant Menagerie

The Ecology of the Land Shark - Kerry Jordan

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movement; they could not move in this manner without the aide of a special form of telekinesis. Land sharks mentally provide themselves with "air bubbles" by creating an empty space, centimeters in width, between the upper body and the sand. These air bubbles allow the sharks to breathe for a limited time even when completely covered by sand (via the gills), and by moving the bubble along with their bodies, land sharks can travel swiftly through the sand. The land sharks' telekinesis is limited: it is only strong enough to allow travel through sand or loose gravel and even then, only to a depth of four meters before the weight of the sand becomes too great to shift. Additionally, their telekinesis cannot be used for any other effects other than those described above.

**Encounter:** Like most desert inhabitants, land sharks usually hunt for prey during the hours surrounding dawn and dusk. They hunt by burrowing just below the surface of the sand, allowing their large dorsal fins to extend above the sand's surface in an attempt to catch the scent of prey. They can smell most living creatures several kilometers away, and the smell of blood can draw them from up to five kilometers away! They do not burrow the entire time they are hunting, but instead, intersperse their movement with rest periods where they remain motionless. During these rest periods, land sharks are careful to keep the scent openings along the sides of the dorsal fin oriented against the wind.

The sand through which a land shark burrows provides it with extra protection against attacks. The sand acts as armor with the following defense values: d6+1 (LI), d6-3 (HI), and d6-3 (En). (For those of you skeptical of these values, just remember that sand, in the form of sand bags, is used as an effective defense by most militaries.) This protection does not extend to the dorsal fin if it is raised above the sand's surface, nor to the shark's body during the combat phase when it leaves the sand to strike. A character attempting to hit an approaching land shark's dorsal fin with a ranged weapon (i.e., when only the leading edge of the fin can be targeted) suffers a +3 step penalty. There is a chance that if the land shark's dorsal fin is damaged, it will burrow away to seek easier prey. If wound or mortal damage is caused to the dorsal fin, the land shark should make a Resolve-physical resolve skill check. If the land shark fails, he will submerge below the sand's surface and burrow away from the attack for 2d4 combat rounds before raising his dorsal fin to hunt again.



#### The Mutant Menagerie

The Ecology of the Land Shark - Kerry Jordan

When land sharks scent potential prey, they do not burrow directly toward their next meal, but instead, tend to travel at an angle (usually only 10 degrees), crisscrossing the direct route as needed, in order to keep the prey's scent on their fins' pores. When land sharks determine from the strength of the prey's scent that their prey is roughly within 10 meters, they will begin to make large spirals toward it, slowly determining the exact location of their potential next meal. When their prey comes within five meters, it has entered the range of the land sharks' life detection mutation. This mutation is slightly different than the one described in the "GAMMA WORLD Campaign Setting." It automatically detects living beings within five meters. large deserts and beaches across the Knighted States (including those separated from any oceans), which has lead some to speculate that these beasts were not randomly mutated creatures but were once engineered, perhaps as military watch-dogs. Whatever their origins, they are now only commanded by their hunger, threatening any who attempt to cross their territory. Fortunately, land sharks are solitary hunters, although the scent of blood may bring others to a battle.

All land sharks have a scent bladder which leaves a faint scent in the sand as they travel, making it easy for them to recognize each other's territories. Land sharks rarely harm each other, but occasionally, over



Once their prey has been located with this mutation, land sharks burrow deeper into the sand (causing their dorsal fins to lower below the surface of the sand) and move directly toward their target. The next time they appear will be to attack with their vicious bites. This is the only time that a character may have a clear attack at a land shark's body without interference from surrounding sand. After making their bite attacks, they will burrow away if able on the next action phase, coming back the next action round for another attack (from a different direction!). Their directional sense mutation compliments their life detection mutation so well that once land sharks have locked on a target, they rarely lose him or her.

If a victim succumbs to his or her wounds during an attack, the attacking land shark quickly takes its meal below the sands; however, it will not end its attack with only one victim if other prey is available. As long as the land shark has at least half of its wound points left and all of its mortal points, it will continue to attack, storing the bodies of its victims beneath the sand for later meals.

Habitat/Society : Land sharks can be found in most

particularly good territory, land sharks will battle for dominance. These battles do not normally end in serious harm, but are more of a display of power and telekinetic maneuverability.

When ready to mate, female land sharks will momentarily rise to the surface of the sand to spray their scent to the wind, informing any nearby males of her willingness to mate. Once mating has occurred, both sharks will leave the area: the male in search of food and the female in search of preferred birthing territory. After several months, the female normally gives birth to two live young, with abilities proportional to an adult.

When sleeping, land sharks burrow roughly 3-4 meters beneath the surface of the sand. Their telekinesis works even while asleep so there is no danger from the sand's weight or lack of air. Even when asleep, land sharks may awaken if their life detection mutation detects life above them (requiring a successful Awareness skill check). Note that the Awarenessperception specialty skill is not used since the land shark's amazing sense of smell is not a factor.



#### • The Mutant Menagerie

The Ecology of the Borer Beetle - Kerry Jordan

#### The Ecology of the Borer Beetle - 5th -Kerry Jordan

#### "Running... must keep running..."

The thought echoed through Marc's mind. He could hear the baying of his pursuers' mounts as they followed his trail. They were huge dogs, mutated mastiffs, bred to act as riding beasts for their masters during a hunt such as this. He knew they were getting closer, but he also knew he was close to his destination, a place he had been warned away from as a child. He raced on...

#### "Running... must keep running..."

Marc ran past half-remembered land-marks he had not seen in years, not since becoming a slave to the Knights of Genetic Purity. The Knights were a hate organization dedicated to keeping the human race "pure" - meaning that mutated humans like Marc were either killed on sight or captured and turned into slave labor. Marc was one of the lucky ones; he was strong and young when the Knights came. His parents and grandparents were not so lucky.

#### "Running... must keep running..."

Marc stumbled, and in his weakened state, could not catch himself in time to stop a slide into a nearby ravine. His body was stopped by the corpse of a large deer. The deer had been dead for several days, yet had not been preyed upon by any scavengers. Its body was coated in a milky, translucent substance, and a small hole was bored into the skull. The accidental find caused a grim smile to appear as Marc continued on; he was very near now...

#### "Running... must keep running..."

His once-masters and their mounts were near; the baying had died out. Marc could hear crashing of the beasts through the forest's undergrowth and the shouts of their riders. The men knew their prey was close.

#### "Running... must keep running..."

The pain in Marc's side was almost unbearable as he raced into a small clearing. He had to stop. He had to rest. He could go no further. He was almost doubled-over as the armed men burst into the clearing behind him. They quickly dismounted and leveled their rifles at the mutant who's only crime was to escape slavery. They demanded Marc face them for punishment. He knew there was only one punishment for his crime, but he smiled as he faced them; he had noticed that several dark green beetles had suddenly appeared on the surrounding tree trunks. He believed it was better to die a free man than die a slave... and he would be avenged...

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The mutant's body crumpled as Jimm and the rest of the hunting party unleashed the deadly power of their rifles. After the smoke had cleared, Jimm walked over and examined the body as Lor tied their podog mounts to a nearby tree. Meanwhile, Skeeve and Rex congratulated each other on the successful hunt. Jimm looked down on the quickly cooling corpse and thought how it had been too easy; the altered scum deserved to die a slower death for daring to defy the Knights. Had he not been spared his life and allowed to work for the greater good of the human race? Idly, Jimm counted the various bullet wounds as he scanned the body: one... two... three... five... seven. A smile crept onto Jimm's face as he noted the wounds his rifle had created. A puzzled expression soon replaced the smile when he reached the slave's strange death-grin. What kind of person would smile when he was about to die? Obviously, these sub-humans did not have the same emotions as real men.

At that instance, the podogs went into hysterics, breaking free of their leashes and racing away. Before Jimm and the others could determine what had happened, streams of milky fluid shot from the nearby vegetation. Two struck Lor and Skeeve in the head, causing them to limply drop to the ground before their rifles were even raised. Rex managed to lift his rifle, but promptly dropped it after a stream hit his arm. Jimm, being the most combat experienced of the group, managed to dodge the streams arcing toward him and even find one of the sources of the attack: a large, dark green beetle. However, before he was able to fire his rifle, the beetle disappeared in a flash of light. That was when Jimm realized what his opponents were, and real fear set in. He raced past Lor, who seemed to be having problems with a leg that had been hit by the dangerous, numbing liquid. Lor's call for help was cut short when another stream hit him in the back of the head. Jimm didn't pause, but ran on with only one thought clear in his mind:

"Running ... must keep running ... "

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The brush crackled as the huge mastiffs pushed their way out of the dangerous forest. They did not stop once they had left the forest twilight, but continued on until arriving at their masters' home, many miles away. Several minutes after their departure, a scream of frustration and rage echoed from the forest, but the source never appeared...

#### -----

- Although rare, there are mating areas to which borer beetles return every year (never in consecutive mating seasons). These areas are plentiful with animal life to act as hosts for borer beetle eggs.
- 2. The poison of the borer beetle is white and slightly transparent. After the female has implanted an egg in a host (by boring a small hole into the base of the skull), she will coat the victim in a thin layer of her poison. The poison has a particular scent which keeps scavengers and other borer beetle females away for several days.



• The Mutant Menagerie The Ecology of the Borer Beetle - Kerry Jordan

Borer Beetle - 5th These small, but extremely deadly bugs will scare you stiff. Game Data

Game Da	ala					
STR	2 (d4)	INT	1 (Animal 6 or d4+3)			
DEX	12 (d8+6)	WIL	10 (d6+6)			
CON	7 (d4+4)	PER	1 (Animal 4 or d4+1)			
Durability	6/6/3/3	Action Check	12+/11/5/2			
Move	sprint 12; rui	n 6; walk 3				
# Actions	2	Reaction Score	Ordinary/2			
Mutations	Dermal Plating, Poison Attack (contact paralysis), Teleportation* * Consult the borer beetle's description for detailed information.					
Attacks	Poison 11/5/	/2 n/a Ll/O				
Defenses	Dermal Arm	or: d4-1 (LI)	, d4-2 (HI), d4-2 (En)			
Skills	Awareness [10]-perception [11]; Stealth [12]- hide [14]					

**Description :** In their adult form, borer beetles are normally 30 centimeters in length with a dark green exoskeleton and brown legs. Although they can use their legs to scurry across the ground, their main form of locomotion is Teleportation. This mutation allows them to instantly move from one location to another as long as the target location can be seen and is within 10 yards of the origin.

These mutated beetles only reach a length of 30 centimeters, but are one of the most feared insects in the Knighted States. Their paralytic contact poison can affect even the largest denizens of Gamma World.

**Encounter :** Borer beetles rarely attack creatures larger than 1 meter. (Their demeanor changes for a short time during mating seasons. Consult the Habitat/ Society description for more details.) If startled or threatened however, borer beetles will defend themselves with a paralytic contact poison. Borer beetles expel the poison in a stream that jets out up to 5 meters from a small opening below their mouths. This poison works very quickly and has an onset time of only 6 seconds (roughly 2 combat round phases). It does not instantly paralyze the entire body, but only affects the particular region of the body struck by the poison. To determine the region of the body affected after a successful attack on a humanoid creature, roll on the following table.

**Habitat/Society :** Borer beetles can be found in the many temperate forests of the Knighted States. Although normally solitary, borer beetles do congregate

Borer Beetle - 5th bugs will scare you stiff. twice a year during their mating seasons: once in spring and once again in summer. During these times, they are highly aggressive and will attack any creatures entering the area.

> Each female normally carries 3 eggs, and each egg is fertilized by a different male. After fertilization, the female will search for host creatures in which to implant the eggs. Additionally, she will begin to release a pheromone that causes other borer beetles in the area to become agitated and aggressive. A pregnant female produces more paralytic poison than normal and has enough poison for 5 attacks. After paralyzing a host, a female will bore into the victim's head at the base of the skull, causing 1d4+2 points of wound damage, and implant an egg. The egg cannot be removed from the host without surgical assistance and will hatch within 48 hours. After implanting the egg, the female will coat the host with more of her poison. This coating has an odor which keeps scavengers and other females away from the host.

> After 48 hours, each egg produces two blood-colored grubs that immediately begin consuming the brain of the host, causing excruciating pain and death within 30 seconds. The grubs do not have the poison or other mutations that they will posses as adults. They will continue to live off the host's corpse until reaching 30 centimeters in size (shedding their skins roughly 10 times during this growth process). As they approach their adult size, they will slowly begin to resemble the next stage in their development: the pupa.

The pupae of the borer beetle resemble the adult form except that their exterior shells have not hardened and they are a dark orange in color. Borer beetle pupae do not have the adult poison attack, but soon after entering this stage, they begin to produce the poison and store it internally, rendering them deadly to ingestion on any result other than "no effect" on TABLE GW28: POISON. They also quickly gain the ability to teleport as the adult. When the pupae have completed their development, they shed their skins and emerge as adult borer beetles with all abilities available.

d8 Roll	Location	A successful poison attack that hits
1-2	Leg	the head or chest will result in
3-5	Arm	unconsciousness for the duration of
6-7	Chest	the paralysis. After attacking with its
8	Head	poison, a borer beetle will quickly teleport away for his next action in

an attempt to avoid retaliation. A borer beetle will have enough poison for 1d4-1 streams when encountered.



#### The Mutant Menagerie

## The Apocalyptic Post

#### Various Mutant Plants and Animals - Derek Holland

Various Mutant Plants and Animals - Any Version - Derek Holland

To really bring out the alien nature of Mother Nature on Gamma Terra, GMs usually have a list of small, non combative mutant plants and animals to use on random encounter charts. Here are some that I have come up with over the years:

**Field Voles** - these critters are dangerous only to greenfolk and farmers. They seem to be able to reproduce at a rate of 3 -4 young per 2 weeks.

**House Frogs** - these amphibians are a major pest to those who store food in large amounts. They can change color and have and sticky feet.

**Steel Rats** - they are named so because they can chew through metal and nest in such areas. The Created are terrified of them.

**Nauga** - these weasels are immune to radiation. The power is due to their hide, so anyone wearing a cloak of naugahide is immune to R0 -R3, and R4 is treated as R2. In the 4th edition, reduce the radiation intensity by 3/4.

**Log Dwellers** - these giant hermit crabs have adapted themselves to forests and use snags as homes.

**Gliding Cat** - these felines have evolved the skin flaps that make flying squirrels famous. They can be "domesticated".

Lake Cow - these genemod cows were used to eat weeds and are now used as cattle by lake dwelling peoples.

**Walking Trees** - giant walking sticks that now look like entire trees. The largest can grow to 30 meters. They feed on the surrounding vegetation.

**Stickies** - plants that have sticky seeds. They germinate, grow and die in 3 days, all on the object the seed lands on (if it is organic). It causes damage to organic matter (living or formerly living material) and has weakened leather and hide armors.

#### and a few by William Wood

**Mule Beetle** - Giant mutant beetles, that have been domesticated by farmers. These beetles are quite docile, and have no natural attack. They can perform basic hauling and plowing functions, but are not very bright.

**Flutterfly** -(Giant Mutant Butterfly), these mutant insects are quite beautiful. They are harmless and feed upon the nectar of various mutant flowers. Attempts have been made to domesticate them but have so far failed. It is considered bad luck to kill a Flutterfly.

**Steak Wurms** - A type of mutant worm. The meat of which is quite tasty, larger specimens can feed a small village. Some Seekers have become Steak Wurm farmers (ranchers).

**Moonbat** - Mutant Albino bats, these bats are similar to normal bats, except under the light of a full moon (or similar light source), their fur takes on an eerie glow, this light attracts insects that the bats feed upon.

and a few from Ben Hebert

**Tangle (or Terror) Berry** - A strain of blackberry, kudzu, and who knows what else that grows rampantly across many northern temperate forests. The berries will accelerate healing, however the plants have been known to lash out from time to time doing sometimes very serious damage to the unwary.

**Brightfish** - Many pre-war goldfish had been modified to glow and produce various colors and intensities of light. These fish are their direct descendants and are often put to the same service if they aren't too large.

Ambient Critter Campaign Roles					
	edible	labor	tame	pest	use
Brightfish			Ĺ		
Field Voles	E			Р	
Flutterfly					
Gliding Cat		L	Т		
House Frogs				Р	
Lake Cow	E	L	Т		U
Log Dwellers	E				
Moonbat				Р	U
Mule Beetle		L	Т		
Nauga			Т		U
Steak Wurms	E		Т		
Steel Rats				Р	
Stickies				Р	U
Tangle Berry	E			Р	
Walking Trees	E			Р	
E - edible		Т-	tame		
L - labor or othe	er useful		pest		
function		U -	useful pr	oduct	



The Mutant Menagerie
 Giant worms - Derek Holland

			Giant Flatworm	ו			Giant Earthwor
Game Da				Game Da			
STR	12 (d4+10)		1 (animal 1)	STR	13 (d6+10)	INT	1 (animal 1)
DEX	9 (d6+3)	WIL	5 (d4+3)	DEX	10 (d4+6)	WIL	3 (d3+2)
CON	14 (d8+10)		1 (animal 1)	CON	15 (d6+12)	PER	1 (animal 1)
Durability	14/14/7/7	Action Check	8+/7/3/1	Durability	15/15/7/7	Action Check	14+/13/6/3
Move	swim 3			Move	burrow 3		
# Actions	1	Reaction Score	Marginal/1	# Actions	1	Reaction Score	Ordinary/1
Mutations			ills, improved senses, new body part	Mutations	Redundant Toxin Toler		s, Dermal Reinforcemen
	Light sensit	ivity, slow refle 4w/d6w/d6+2w	xes	Defects	Light Sensit (deep water		nal Intolerance, Phobia
			s melee, -1 vs ranged	Attacks		,	
Skills			eness- perception 2	- Defenses	Dormal Ski		d4 (HI), d4-1 (En); +2 v
2 large ey	espots on tl	he head. It is a	jet black, except for bout 5 meters long, The head is arrow	Skills		ndurance 4,	resist pain 4; 8
(armor d4	1 (LI,) d4-2 ( side of the a	(HI) ). The mou	ough leathery skin uth is halfway down a feeding tube that	12 mete used to Their ca	ers long and detect mot	are brown. ion and to valuable to	s are segmented, abou They have small hairs help in moving about farmers and they are
animals the attack is bite the attack of food. one is bro	hat died in th to try and d ggressor un They have oken up by l	he water. The c rive one from ntil it is dead o amazing rege ow or high imp	d on decomposing only way to incite an its food. It will then r has a new source merative powers. If pact weapons, each ming a new worm.	<b>Encoun</b> when it i during a and whe	<b>ter</b> : The on s eating dea downpour tl	ly times a w Id plant mat nat lasts mo casting mou	orm is encountered is erial on the surface, ore than half an hour und. They always
The only		this is to use	energy weapons or		<b>'Society :</b> Th n, moist soil.	ney are four	nd anywhere there is
		iant flatworms / rivers and lak	are found in large es.		ety. They are every 3 mor		odites and produce 20-
			erve attitude toward		Any Non-Des ter Probable		

**Group** 1-10

Organization None

IQ Low Order animal

Niche Scavenger

Flatworms have a first come first serve attitude toward food. If there is room, more than one will feed on a corpse, but they will not fight over it. They reproduce several time a year and have 1000-10000 young. Only 1-2 will survive to adulthood.

Biome Large bodies of water Encounter Probable Group 1-3 Organization None Niche Scavenger IQ Low Order animal

All worms listed here are based on real world creatures.

Giant Arrow Worm

#### Game Data

STR	11 (d6+8)	INT	1 (animal d3)		
DEX	12 (d4+10)	WIL	4 (2d4)		
CON	11 (d6+8)	PER	1 (animal 1)		
Durability	11/11/5/5	Action Check	15+/14/7/3		
Move	swim 6				
# Actions	2	Reaction Score	Good/2		
Mutations	Gills, Increa Electric Aura		on, Toxin Tolerance, enses		
Defects	Weak Immunity, Photo-Dependent, Phobia (energy attacks), Thermal Intolerance				
Attacks	Bite 14/7/4 d6s/d4w/d6+1w (LI/O)				
Defenses	d6-3 (LI), d4 ranged	1-2 (HI), 0 (E	En); +2 vs melee, +3 vs		
Skills	Stealth- hide perception §	,	v 5; Awareness-		

**Description :** These marine worms are 4 meters long. They have eyespots and hardened bristles used to "bite" prey. They have a 2 sets of "fins"- flaps of skin used for swimming, as does the tail. They are transparent and hide right in front of their predators and prey.

**Encounter :** A hungry arrow worm will attack a small human or new animal that is smaller than .8 meters. They try to engulf the prey and do so on a Amazing hit. Swallowed prey can only use natural weapons (claws and such) and must deal with being shocked. Only the death of the worm frees the food. After swallowing a creature, a arrow worm will swim off to find a place to rest while digesting.

Habitat/Society : Marine- mostly above continental shelves and within 5 meters of the surface.

No society. They are found in huge numbers, but do not interact.

Biome Marine Encounter Probable Group 50-100 Organization School Niche Medium level carnivore IQ Low Order animal • Gamma Flora Thorny - 4th ed. Plant critter - Derek Holland

4th Plant - Thorny - Derek Holland

Game Data		
Number: 3-30	Freq: C	Org: Cluster
Percept: 14	Act. Cyc: Day	Diet: Photo
<b>ST/RU</b> : +8	Tech Ivl: -	Artifacts: -
<b>AC</b> : 18	CI/Terr:	Temperate Forest
<b>MD</b> : 11	,	
Health: 11	. 1	A A A
Speed: 1		
Level: 1	. HLAN	
HD: 4	11. 3	
THAC +1	6 A.Y 8	S & N & M & M
Attacks:	國為 4 4	S PO NAN SA
Thorn d6+2	13 1 3 1	A LONT CARD
INT: Non-	Nº X4	USW CNOV
Morale: 20	A DATE XO	VI-VIV
<b>Size</b> : Tiny (.5 m)	120	1 KA
<b>XP</b> : 35	COLUMN S	ALL SALES
	954	

#### Phy/plant mutations:

Thorns (15), Full carapace (17), Photodependent (D), Diminished senses (sight and sound)

#### Special Powers: None

**Description:** Thornies are small, circular plants. They are .5 meters in diameter and are covered with .3 meter long thorns and a thick bark. They do not have a developed sense of sight or hearing but can detect an approaching creature via its eye spots. They do nothing but sit in the sun and only move when the soil is exhausted.

**Combat :** When attacked a thorny will try to ram the aggressor. If it can not detect the attacker (e.g. it is being hit with arrows), it will continue to move towards the point of the strikes against it until death.

**Habitat :** Thornies are very shade tolerant and hide among the undergrowth of the northern forest. If it not in the undergrowth for some reason, its ST/RU is reduced to +3.

**Society :** Thornies are a very common plant and as they need the same kind of soil, they are usually found in large groups.



## The Apocalyptic Post

New weapons for 1st edition - Randy Messick

#### New weapons for 1st edition - Randy Messick

Journal entry:

Second Day in the Month of Harvest, 2471 AD:

Working in the old section of the Archives, my small team worked diligently to uncover a large black box buried deep in the rubble. When they freed the object, they opened it and discovered a cache of ancient schematics and design specifications.

"Tal Shiar will be pleased!" stated the first worker as he stared wide-eyed at the ancient writings.

"Indeed, our leader will surely reward our efforts today." responded another.

"Let's get this to him at once!"

Below is the first of the translations I have made of these documents. It's been a long night and my eyes grow weary of the tongue of the Ancients, so I will rest for the night. I will translate more of these mysterious writing in the morning...

#### Tal Shiar, Guardian of the Archives of the Ancients

Ranged Weapons (Pistols)

#### Mini-Laser Pistol

Maximum Range	100 meters	Damage Inflicted	5d6
Effective Range	50 meters	Power Source	Chemical energy cell
Projectile	Beam	Battery Life	0,

**Description :** This pistol is a compact version of the standard laser pistol. Its size allows it to be concealed, so as not to be detected by potential targets. It has a longer battery life, but a shorter range, due to it's reduced size. Class 2 armor will deflect the first hit from this weapon; Class 1 armor will automatically deflect the first TWO hits. Subsequent hits, however will do full damage.



Ranged Weapons	(Pistols)					
	Max Range	Range	Projectile	Damage	<b>Power Source</b>	<b>Battery Life</b>
Mini-Laser Pistol	100 meters	50 meters	Beam	5d6	Chemical energy cell	15 shots
Laser Pistol MK II	200 meters	100 meters	Beam	1d10 per charge (1 - 10 charges per shot)	Hydrogen energy cell	20 shots
Gyrojet Pistol	150 meters	75 meters	Miniature self- propelled rocket	2d10	10 shot clip	N/A
Electrostunner	30 meters	15 meters	Beam	3d10 or stun	Chemical energy cell	20 shots
Sonic Pistol	100 meters	50 meters	Beam of coherent sound	3d6	Hydrogen energy cell	20 shots
Flare Pistol	500 meters	250 meters	Magnesium Flare	* See description	Chemical energy cell	10 shots
Ranged Weapons	(Rifles)					
Laser Rifle MK II	600 meters	300 meters	Beam	1d10 per charge (1 - 20 charges per shot)	2 Hydrogen energy cells	20 shots
Gyrojet Rifle	300 meters	150 meters	Miniature self- propelled rocket	3d10	15 shot clip (or 10 shot pistol clip)	N/A
Stasis Ray Rifle	50 meters	25 meters	Ray	* See description	Atomic energy cell	4 shots
Trek Rifle	200 meters	100 meters	Disintegrating Ray	Disintegration (*see description)	Atomic energy cell	4 shots
		<u> </u>				

#### Laser Pistol MK II

Maximum Range	200 meters	Damage Inflicted	1d10/ charge (1-10 charge per shot)
Effective Range	100 meters	Power Source	Hydrogen energy cell
Projectile	Beam	Battery Life	20 shots

**Description :** This weapon is a modified version of the standard laser pistol. Unlike its predecessor, however, the MK II Laser Pistol has a unique feature, which allows the user to increase or decrease the energy expended. On the lowest setting, 1, the unit uses one shot. Each setting higher uses an additional shot (2 = 2 shots, etc.). Along with the higher power drains, higher damage is also inflicted. Each additional shot adds one die (d10) of damage to the base (1d10), so a shot fired on a setting of 3, for example, would yield a total of 3d10 (1d10 + 1d10 + 1d10 = 3d10) points of damage to the intended target. In every other respect, the MK II is the same as its predecessor and conforms to same armor class adjustments for damage as the regular laser pistol.

#### Gyrojet Pistol

Maximum Range	150 meters	Damage Inflicted	2d10
Effective Range	75 meters	Power Source	10 shot clip
Projectile	Miniature self-propelled rocket	Battery Life	N/A

**Description :** This weapon differs from every other weapon in that it shoots miniature rockets as it projectiles. These little rockets (about 10 cm long) are self-propelled and do not require a power cell to function. Once the jet clip is empty, the weapon is useless until it is reloaded. The rifle version uses a 15-round clip, but can also use the pistol's 10-round magazine. The pistol, however, is limited to its own 10-round clip size. These weapons are exclusively medium to long range devices and are fairly accurate despite their crude design and heavy weight.

Adapted from the Star Frontiers® Role-Playing Game Electrostunner

Maximum Range	30 meters	Damage Inflicted	3d10 or stun
Effective Range	15 meters	Power Source	Chemical energy cell
Projectile	Beam	Battery Life	20 shots

• The Arms Race New weapons for 1st edition - Randy Messick

**Description :** This short-range weapon resembles a large pistol. It fires an arc of electrons that look like a flash of lightning. Because of this characteristic, coupled with the noise it makes when it is fired, the electrostunner is commonly referred to as a 'zap gun'. It has two settings, stun and blast

**Stun setting -** Stuns target for 1d10 rounds; target cannot attack, defend, move or use mutations;

**Blast setting -** Target takes 3d10 points of damage. Mutants with the Radar/Sonar mutation take an additional die of damage due to the intensity of the noise the gun makes.

#### Sonic Pistol

Maximum Range	100 meters	Damage Inflicted	3d6
Effective Range	50 meters	Power Source	Hydrogen energy cell
Projectile	Sonic Beam	Battery Life	20 shots

**Description :** This weapon uses a beam of coherent sound to inflict damage. It resembles a small pistol and is easily concealed. A single charge fired from a sonic pistol deals 3D6 points of damage to animate and inanimate objects. Mutants with the Radar/Sonar mutation take triple damage due to their sensitivity to sound. Due to its compact size, battery life is much longer than in similar weapons. A rifle version of this is rumored to exist, but so far, it has not been discovered.

#### Flare Pistol

Description : Flare pistols were used by the 'Ancients'

Maximum Range	500 meters	Damage Inflicted	* See below
Effective Range	250 meters	Power Source	Chemical energy cell
Projectile	Magnesium Flare	Battery Life	10 shots

as signaling devices, warning beacons, or to search for incoming intruders. Only one magnesium flare can be loaded and fired at a time. However, the battery has enough power for 10 such shots before it needs to be replaced. When the flare is discharged, it explodes overhead, illuminating an area over a 1-kilometer radius for 30 seconds (3 rounds). If it is used as a weapon, a flare does 4d6 points of heat damage to its target upon impact. Mutants susceptible to heat will take an additional die of damage.



Ranged Weapons (Rifles)

#### Laser Rifle MK II

Maximum Range	600 meters	Damage Inflicted	1d10/ charge (1-20 charge per shot)
Effective Range	300 meters	Power Source	2 Hydrogen energy cells
Projectile	Beam	Battery Life	20 shots

**Description :** Except for its larger size, the above statistics and range modifiers, this weapon's features and functions are identical to the Laser Pistol MK II.

#### Gyrojet Rifle

Maximum Range	300 meters	Damage Inflicted	3d10
Effective Range	150 meters	Power Source	10 or 15 shot clip
Projectile	Miniature self-propelled rocket	Battery Life	N/A

**Description :** Except for its larger size, the above statistics and range modifiers, this weapon's features and functions are identical to the Gyrojet Pistol above. Adapted from the Star Frontiers® Role-Playing Game



#### Stasis Ray Rifle

Maximum Range	50 meters	Damage Inflicted	* See below
Effective Range	25 meters	Power Source	Atomic energy cell
Projectile	Ray	Battery Life	4 shots

**Description :** This weapon vaguely resembles a rifle. This heavy, awkward weapon was developed and in the experimental stages in the year 2309, prior to the Shadow Years. It was invented to be used as a nonviolent attack deterrent, but it never made it into mass production. The rifle fires a stasis beam, which freezes a subject into a state of suspended animation for 2-8 (2d4) hours. Due to its massive energy requirements, it can only run on atomic power cells, and even then, it's • The Arms Race New weapons for 1st edition - Randy Messick

only good for 4 shots. These weapons are extremely rare and only a few are known to have existed. They are highly valued by those fortunate enough to own one.



#### Trek Rifle

Maximum Range	200 meters	Damage Inflicted	Disintegration (*see below)
Effective Range	100 meters	Power Source	Atomic energy cell
Projectile	Disintegrating Ray	Battery Life	4 shots

**Description** : This is the ultimate weapon of destruction. The device is similar in style and appearance to the Black Ray Rifle, which it was modeled after, but is much heavier than its smaller cousin. Damage caused results in the total destruction of everything within 30 meters of the impact area. Everything within the blast radius not protected by a force field is instantly disintegrated. All force fields sustain 30 points of damage. These weapons were experimental devices and are extremely rare. Most scholars speculate that the few that did exist were destroyed in the holocaust, but so far have no basis of proof from which to state such a claim.



The Arms Race
 Primitive Ranged Weapons - Derek Holland

## The Apocalyptic Post

Primitive Ranged Weapons - 5th - Derek Holland

Many places in Gamma Terra have lost the technologies necessary to build even matchlock firearms. This forced many communities and peoples to reinvent primitive ranged weapons for hunting and combat. Many of these weapons need their own specialty skill - treat the skill cost as the same as the sling.

Atlatl - This weapon allows the wielder to throw javelins farther with greater force.

Great sling - This weapon, also called the huaraca in Central America, gains 15 meters in each catagory if sling bullets are used. The clip size and cost are for sling bullets.

Sling, mud shot - To stun a target instead of killing it, sling "stones" made of mud can be used.

Hurlbat - These stats also work for the handax when thrown. The hurlbat is a very short halberd with a point at the base of the handle (thus any hit causes damage).

Javelin, corded - These have the same stats as the standard javelin, but the range is increased by 100%, not 50%.

Throwing sticks - This weapon, based on the lipan of Egypt, was a large curved stick. Its range is reduced to that of an object not meant for throwing.

Pilum - This large metal javelin was used by the Romans. It is corded, but due to its weight, can only be thrown as per the Athletics- throw rule.

Blowgun - The blowgun is a hollow tube that is used to fire small needles via air pressure by blowing into one end of it. If any primary damage is inflicted, any poison or drug on the needle has a chance of affecting the target.

Most of these weapons are weapons are based on G. W. Detwiler's article Before the Bow in Dragon 268. It also has many more and I would suggest finding this issue if possible.

Weapon	Skill	Acc	Md	Range	Туре	Damage	Actions	Clip sz	Clip cost	Hide	Mass	Cost
Atlatl	Ranged Weapons- Atlatl	2	F	20/40/65	LI/O	d4+1w/d4+2w/ d4+3w	1	-	-	-	0.5	25
Great sling	Ranged Weapons- sling	2	F	30/60/90	LI/O	d6s/d8+1s/ d6w	1	20	3	3	0.5	10
Sling, mud shot	Ranged Weapons- sling	1	F	10/20/40	LI/O	d3s/d4s/ d4+2s	2	-	-	-	0.5	10
Hurlbat	Athletics- throw	3	F	per STR	LI/O	d4w/d4+2w/ d2m	1	-	-	-	2	30
Javelin, corded	Athletics- throw	0	F	20/40/120	LI/O	d4w/d4+1w/ d4+2w	1	-	-	-	1	25
Throwing sticks	Athletics- throw	2	F	per STR	LI/O	d4+2s/d6+1s/ d4w	1	-	-	-	1	5
Pilum	Athletics- throw	3	F	per STR	LI/O	d4+1w/d6+2w/ d4m	1	-	-	-	4	30
Blowgun	Ranged Weapons-b'gun	0	F	10/25/40	LI/O	1s/d2s/1w	3	100	1	1	0.5	5

#### Biological Warfare in 5th Edition Gamma World - Sean Kindred

These are rules that cover potential bioweapons that adventuring Heroes might face in Gamma World. Modifications to the disease rules given in the Gamma World rules, pgs. 55-56, were necessary to accommodate the dangerous nature of these diseases.

While it is unlikely that the Heroes will face an enemy with a weaponized Smallpox aerosol bomb, they might encounter these diseases in the aftermath of the use an ancient bioweapon, or even the remnants of biowar from the Shadow Age.

Some of these diseases are or were naturally occurring, and given that widespread biological warfare was a likely facet of the Apocalypse, many will be found in the wild. Like radioactive deathlands, areas contaminated with Anthrax spores are one possible hazard. Finding ancient artifacts that may be contaminated from exposure during biowar is another possible scenario.

"Modern" bioweapon agents are shown below, and a description of each is given, as well as the game stats for the disease. Some new medical artifacts are outlined, to assist the Heroes in coping with the horrors of biological warfare.

#### New Disease Rules

Agents are shown with four relevant stats. Strength indicates the danger represented by the disease in question. Values from Marginal to Amazing correspond to the table on pg. 56 of the "Gamma World" rules, and modify the CON check accordingly. A new value, Hopeless, was added to represent a 100% mortality rate. For Agents with a Strength value of Hopeless (such as Inhalation Anthrax and Pneumonic Plague), there is no chance of a natural recovery. Make CON checks at +3 (as per Amazing), and ignore any recovery results. Only medical aid can possibly help someone infected with such a lethal agent. The Incubation value operates as per the standard disease rules, and represents the length of time after infection until symptoms arise. A third stat has been added, to represent the possibility of infection resulting from exposure to the agent - Virulence. This is the result level needed on a CON check after exposure to avoid infection. If that check is successful (i.e. a result is rolled that is equal to or higher than that shown in the Virulence column for the indicated agent), then infection is avoided and the Hero can go about his or her business as normal. Otherwise, the Hero is now infected with the agent in question. CON checks are now made as per the normal rules for disease on pg. 56 of the "Gamma World" rules, using the Strength

Bacterial Agents				
Disease Name	Virulence	Strength	Incubation	Contagious?
Inhalation Anthrax‡	Good	Hopeless*	Good	No
Brucellosis	Amazing	Marginal	Marginal	No
Cholera	Ordinary	Any†	Good	Yes
Dysentery	Amazing	Marginal	Good	Yes
Pneumonic Plague	Amazing	Hopeless*	Amazing	Yes
Typhoid Fever	Good	Marginal	Marginal	Yes
Viral Agents				
Disease Name	Virulence	Strength	Incubation	Contagious?
Encephalitis	Amazing	Any†	Ordinary	No
Influenza	Amazing	Marginal	Good	Yes
Smallpox	Amazing	Any†	Marginal	Yes
Yellow Fever	Amazing	Any†	Ordinary	No

\* = this agent has a 100% mortality rate, see text for details

+ = the strength of this agent can be anything from Marginal to Amazing, GM's decision

‡ = Anthrax treatment is a special case, see text for details

value indicated for the agent, to determine the progress of the disease. Finally, the last value, Contagious?, indicates whether or not the disease is communicable from one infected host to another. If the value is 'No', then infection can only result from exposure to the initial vector and not from an infected host, no matter how ill.

#### A Note about Anthrax

Anthrax treatment is a special case. Antibiotic therapy is only effective if begun before symptoms begin. This means that Ancient Age antibiotics are useless once the incubation period is over. Once symptoms set in, only Shadow Age antibiotics, or super antibiotics, have any chance of helping the victim. Even then, those advanced medicines only function as standard antibiotics, granting a -3 bonus to CON checks.

#### New Artifact Items

**Pharmaceutical, antibiotics - super (S):** These pharmaceuticals are used to cure bacterial infections. They are administered by injection only, coming in sealed, pre-measured injectors. Unless the victim suffers from Anthrax, or an antibiotic-resistant strain of a known bacteria (GM's discretion - normal antibiotics are useless in that case), then the super antibiotics operate as normal antibiotics, granting a -3 bonus to CON checks. The treatment lasts for only 3 days, with one injection required per day. Like normal antibiotics, super antibiotics are useless against viral infections.

**Pharmaceutical, antiviral (S):** These pharmaceuticals are used to treat viral infections. Administered orally or by injection, antiviral drugs grant a -3 bonus to CON checks, greatly improving the patient's chances of fighting off the disease. Standard treatment lasts for 10 days, with the entire treatment time necessary, even if the patient recovers early, to insure complete eradication of the virus. The drug must be taken once per day.

**Pharmaceutical, vaccine (A):** This is a whole class of injections, each tailored to promote resistance to a specific disease. The injection grants immunity to a specific agent, viral or bacterial. Duration is typically several years, with boosters (i.e. more injections) usually required periodically. See the disease descriptions for specific vaccine information. Of the listed agents, vaccinations are available for all of them with the exception of dysentery.

#### **Disease Descriptions**

Inhalation Anthrax: Anthrax is caused by the bacterium Bacillus anthracis. While anthrax commonly affects hoofed animals such as sheep and goats, humans may acquire this disease as well. Historically, the main risk factor for acquiring inhalation anthrax is breathing in "aerosolized" anthrax spores from industrial processes such as tanning hides and processing wool. Inhalation anthrax can also be used as a biological weapon. The making of a fatal anthrax biological weapon, where spores must be aerosolized in order to cause the inhaled form of the disease, requires advanced biotechnology. Inhalation anthrax develops when anthrax spores enter the lungs. There are usually two stages of inhalation anthrax -- the first stage can last from hours to a few days and is similar to a flu-like illness with fever, malaise, headache, cough, shortness of breath, and chest pain. The second stage often develops suddenly and is notable for shortness of breath, fever, and shock. This is highly fatal. Vaccination has been developed and is given in a 6dose series.

Brucellosis: This disease is caused by contact with farm animals carrying the Brucella bacteria. Brucella bacteria infect cattle, goats, dogs, and pigs. Transmission of the disease to humans occurs by contact with infected meat, placenta of infected animals, or indestion of unpasteurized milk or cheese. People working in occupations requiring frequent contact with animals or meat, such as slaughterhouse workers, farmers, and veterinarians, are at high risk. Acute brucellosis may begin with mild flu-like symptoms or with fever, chills, sweating, muscle aches, joint aches, and malaise. Characteristically, fever spikes every afternoon to levels around 104 degrees Fahrenheit. Advanced symptoms include: fever, chills, excessive sweating, weakness, weight loss, fatigue, headache, abdominal pain, enlarged liver, back pain, loss of appetite, joint pain, muscle pain, and swollen glands.

**Cholera:** An infection of the small intestine caused by the bacterium Vibrio cholera. Cholera is an acute illness characterized by watery diarrhea. The toxin released by the bacteria causes increased secretion of water and chloride ions in the intestine, which can produce massive diarrhea. Death can result from the severe dehydration brought on by the diarrhea. Cholera occurs in epidemics when conditions of poor sanitation, crowding, war, and famine are present. The infection is



• The Arms Race GW5 Bio-Weapons - Sean Kindred

## The Apocalyptic Post

acquired by ingesting contaminated food or water. A type of vibrio also has been associated with shellfish, especially raw oysters. Risk factors include residence or travel in endemic areas and exposure to contaminated or untreated drinking water. A vaccine is available that gives short-lived, limited protection against the cholera bacteria. Booster doses are given every 6 months for people who remain in an area where cholera is a risk. When outbreaks of cholera occur, efforts should be directed toward establishing clean water, food, and sanitation because vaccination is not very effective in managing outbreaks. Symptoms can vary from mild to severe, and include: sudden onset of watery diarrhea with a "rice-water" appearance and a "fishy" odor, up to 1 liter per hour; rapid dehydration, rapid pulse, dry skin, dry mouth and mucous membranes, excessive thirst, "glassy" or sunken eyes, inability to generate tears, lethargy, low urine output, abdominal cramps, nausea and vomiting.

Dysentery (Amoebic dysentery: Intestinal amoebiasis): Amoebiasis is an infection caused by the parasite Entamoeba histolytica when it infects the intestine. The parasite can live in the large intestine without causing disease; or it can invade the colon wall causing colitis, acute dysentery, or chronic diarrhea. The infection may also spread through the blood to the liver and rarely, to the lungs, brain, or other organs. Transmission occurs through ingestion of cysts in fecally-contaminated food or water, use of human excrement as fertilizer, and person-to-person contact. Cockroaches and house flies can also spread the cysts. Typical symptoms of intestinal amebiasis consist of frequent diarrheal bowel movements with cramps or colicky abdominal pain. Pain on defecation is common, as is fever, vomiting, fatigue, weight loss, and intestinal gas. The diarrhea may contain blood or mucus, and may occur from to 10-20 times per day.

**Pneumonic Plague:** An infection caused by the organism Yersinia pestis which occurs in wild rodents and is transmitted to humans. Plague is transmitted among rodents and to humans by flea bite or ingestion of the feces of fleas (causing Bubonic plague). It can also be transmitted human to human when a plague victim develops pneumonia and spreads infected droplets by coughing. In weaponized form, Pneumonic plague can be distributed via aerosol. Symptoms include severe cough; frothy, bloody sputum, and difficulty breathing. Almost all victims of pneumonic plague die if not treated.

**Typhoid Fever:** Typhoid fever is a bacterial infection characterized by diarrhea, systemic disease, and a rash -- most commonly caused by the bacteria Salmonella typhi. Salmonella typhi are spread by contaminated food, drink, or water. Following ingestion, the bacteria spread from the intestine to the intestinal lymph nodes, liver, and spleen via the blood where they multiply. Early symptoms are generalized and include fever, malaise and abdominal pain. As the disease progresses, the fever becomes higher (greater than 103 Fahrenheit), and diarrhea becomes prominent. Weakness, profound fatigue, delirium, obtundation, and an acutely ill appearance develop. A rash, characteristic only of typhoid and called "rose spots," appears in some cases of typhoid. Rose spots are small (1/4 inch) red spots that appear most often on the abdomen and chest. Other symptoms include: severe headache, fever, malaise, abdominal tenderness, constipation followed by diarrhea, bloody stools, nosebleeds, chills, confusion, agitation, mood swings, and hallucinations. Typically, children have milder disease and fewer complications than adults. A few people can become carriers of Salmonella typhi and continue to shed the bacteria in their feces for years, spreading the disease, as in the case of "Typhoid Mary".

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**Encephalitis:** Encephalitis is an inflammation of the brain. Encephalitis is most often caused by a viral infection. The specific viruses involved may vary. Exposure to viruses can occur through insect bites, food or drink, or skin contact. In rural areas, arboviruses that are carried by mosquitoes or ticks, or that are accidentally ingested, are the most common cause. In urban areas, enteroviruses are most common, including Coxsackie virus, poliovirus, and echovirus. Other causes include herpes simplex infection, varicella, measles, mumps, rubella, adenovirus, rabies, West Nile virus (another potential bioweapon), and only rarely, vaccinations. Once the



virus has entered the blood stream, it can localize in the brain causing inflammation of the brain cells and surrounding membranes. White blood cells invade the brain tissue as they try to fight off the infection. The brain tissue swells and can cause destruction of nerve cells, bleeding within the brain, and brain damage. Symptoms include: sudden fever, headache, vomiting, photophobia, stiff neck and back, confusion, drowsiness. clumsiness. irritability. loss of consciousness, stupor, coma, seizures, muscle weakness or paralysis, sudden severe dementia, amnesia. and impaired judgment. Permanent neurologic (such as memory, speech, vision, hearing, muscle control, and sensation) impairments can occur in people who survive severe cases of encephalitis.

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Influenza: A viral infection of the respiratory tract that causes fever, headache, muscle aches, and weakness, There are three types of influenza virus. All are spread from person to person by inhaling infected droplets from the air. Type A is usually responsible for the large outbreaks and is a constantly changing virus. New strains of Type A virus develop regularly and result in a new epidemic every few years. Types B and C are fairly stable viruses. Type B causes smaller outbreaks, and Type C usually causes mild illness similar to the common cold. Symptoms include: fever, cough, nasal discharge, headache, muscle aches and stiffness, shortness of breath, chills, sweating, fatigue, malaise, stuffy nose, sore throat, clammy skin, nosebleed, nausea and vomiting, diarrhea, joint stiffness, elbow pain, loss of appetite, and an impaired sense of taste. In rare cases, influenza may cause a severe pneumonia that may be fatal even in healthy adults. Vaccines are available in nasal or injectable form, have a 60-70% success rate, and must be administered yearly.

**Smallpox:** Smallpox is a viral disease characterized by a skin rash and a high death rate. Risk factors for smallpox include being a laboratory worker who handles the virus, or being in the environment where

GW5 Bio-Weapons - Sean Kindred

The Arms Race

the virus was released as a biological weapon. Smallpox can be released by aerosol, and it would spread easily because the virus remains very stable in aerosol form. Smallpox is highly contagious from one person to another. It is most contagious during the first week, and is spread from saliva droplets. It may continue to be contagious until the scabs from the rash fall off. It may also be spread from bed sheets and clothing. The smallpox infection (if released in aerosol form, under favorable conditions, without sunlight) could remain viable for as long as 24 hours. In unfavorable conditions, the virus may only remain viable for 6 hours. There is clear evidence that shows that the virus can remain viable on bed linens and clothes for significant periods of time. The symptoms of smallpox infection are: high fever, fatigue, severe headache, backache, malaise; Rash raised and pink on the skin, starting centrally and spreading outwards (First the mucosa of the mouth and pharynx, then face, forearms, trunk, and legs. Rash turns to pus-filled lesions that become crusty on the eighth or ninth day.); delirium, vomiting, diarrhea, and excessive bleeding. If the smallpox vaccination is given within 1-4 days of exposure to the disease, it may prevent illness, or at least lessen the degree of illness associated with the disease.

**Yellow Fever:** Yellow fever is a viral infection transmitted by mosquitoes characterized by fever, jaundice, kidney failure and hemorrhage. Yellow fever can be divided into three stages:

- **Early stage:** headache, muscle aches, fever, loss of appetite, vomiting and jaundice are common.
- **Period of remission:** fever and other symptoms resolve -- most individuals will recover at this stage, yet up to 15% may move onto the third, most dangerous stage.
- Period of intoxication: characterized by multiorgan dysfunction -- liver and kidney failure, bleeding disorders/hemorrhage, brain dysfunction including delirium, seizures, coma, shock and in up to 20-30% individuals, death.

Other symptoms include: red eyes, face, and tongue; jaundice, bleeding, decreased urination, arrhythmias and heart dysfunction, and bloody vomiting. Yellow fever is a severe infection which may result in death in up to 40% of affected individuals



## The Apocalyptic Post

#### The Gamma World Shopper - 5th - Derek Winston

When Gamma World PCs enter a town or settlement, the very first question the players will inevitably ask is where they can find the "good stuff." However, allowing characters to simply purchase ancient artifacts raises the same problems as allowing AD&D characters to buy magic items- where do all of these items come from? Who owns them, and why are they selling such valuable equipment? How much is the item, and who else wants it? Will selling these items destroy the game, with players more interested in shopping than adventuring?

This article gives the GM an alternative to just saying no. The players may find just what they are looking for, but should have a difficult time acquiring it- the perfect situation for an adventure.

#### Notes on Shopping for Equipment and Ammunition

Most Gamma Age equipment can be found readily available in nearly any settlement. Minor Ancient Age equipment not found on the lists below can be available as well, at the GM's discretion.

As PCs acquire and use Ancient and Shadow Age weapons, the question of the availability of ammunition will arise. Some ammunition is common or easily manufactured by civilians, while other weapons use more exotic munitions only available from military sources.

To find ammunition for various weapons, the players should locate the weapon on Table 5 or 6, as applicable. Behind every weapon entry will be a (O), (G), or (A), standing for a level of success on a skill check. The players will have to make a skill check (one of the skills from Table 1: Recommended Skills for Artifact Shopping, as determined by the GM) in order to locate ammunition for their weapon and succeed at the minimum level indicated. The number after the success level indicates the number of clips/rounds that are found. All energy cells are (G) 1d4, but can only be searched for once.

Ammunition can only be searched for in a Gamma Age or higher-level culture. Modifiers from Table 2: Search Modifiers apply to this roll.

#### Step 1: Finding What's Available

In a strange city, it will take some legwork and bar-talk to find what the PCs are looking for. The PCs will need

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to make a skill check (determined by the GM) in order to discover the location and owners of certain artifacts. The GM determines the kind of skill check involved based on who has the artifacts in this area. After all, it takes a much different set of skills to contact an underworld arms dealer than it does to communicate with a scientific research facility.

Table 1: Re	ecommended Ski	lls for Artifact Shopping
Knowledge- Deduce	Awareness- Intuition or Perception	Investigate- Interrogate
Street Smart- Criminal Elements	Culture- <i>Etiquette</i>	Interaction- Bargain, Charm, Interview, Intimidate, or Seduce

Table 2 gives modifiers to the roll to locate items based on the settlement's location, population, trade status, etc. Keep in mind that a + step is a penalty, and a step is a bonus-.

#### **Step Two: Acquisition**

Just because the item is found doesn't mean it's there for the taking. The item must still be acquired from it's owner, in one way or another. Suggested methods are detailed below.

**1)** Buying. Probably what the PCs were looking to do in the first place, this is the easiest way to handle the situation. Prices are the same as in the Gamma World rulebook for artifacts from that source, modified by any skill checks performed by either side during the bargaining process. Prices for equipment from other sources should be converted over to Gamma World's gold standard.

2) Theft. Many artifacts are prohibitively expensive, have owners that don't wish to sell, or have caught the eyes of greedy PCs who simply don't wish to plunk down the cash to purchase them. In this case, the item can be stolen. The GM should determine where the item is, who guards it, etc., turning such an endeavor into a mini-adventure unto itself. Keep in mind the value of the artifact; a functioning automobile will be guarded by more than a peasant with a flintlock, and a cheap pistol doesn't warrant protection by well-armed supermutants.



**3)** Other means. Perhaps the town bully has an empty magnum strapped to his side, for which he has no bullets. Or the item is not readily available, but known to be in the lair of a nearby monster. Or found in a pile of junk, needing only the skilled hand of a Tech Op (and a couple of spare parts) to fix it. The possibilities are endless, and can be used by the GM as an adventure hook.

Prior to using these tables, the GM should have a few short , generic scenarios ready to go involving the transfer of the item.

#### Step Three: Condition of the Item

Just because the PCs finally acquired the item doesn't necessarily mean that it is in pristine condition. Artifacts can change owners many times, who may or may not take care of them. Roll d100 on Table 4 after an artifact is acquired to determine what kind of condition the artifact is in.

Table 3: ResultsCriticalThe PCs find no artifacts. In addition, some<br/>mishap befalls them during their search, such as<br/>being robbed, run out of town by the locals as<br/>troublemakers, or receiving a beating at the<br/>hands of the local crime syndicate. The GM<br/>determines the exact result.FailureThe PCs find no artifacts.

Ordinary The PCs are able to locate one Ancient Age artifact.

**Good** The PCs are able to find 1d4 Ancient Age artifacts. In addition, they find additional artifacts based on the following factors:

• High Population +1 Ancient Age Artifact

- Very High Population +2 Ancient Age Artifacts
- Nearby Ancient Ruins, Picked Over +1 Ancient Age Artifacts
- Nearby Ancient Ruins, Irradiated, No Way In +2 Ancient Age or +1 Shadow Age Artifacts
- Nearby Ancient Ruins, Irradiated, Access Available +3 Ancient Age or +1 Shadow Age Artifacts
- Amazing- The PCs are able to locate 1d3+3 Ancient Age artifacts and 2 Shadow Age artifacts.

To determine the exact artifact found, roll on the Ancient Age or Shadow Age artifact list, as applicable

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<b>_···</b> _	•••	Tak	ble 2: Search Modif	··• <b>→</b> Fiers
Settler	ment Population	Step	Other Modifiers	Step
	Populated (less nhabitants, max dinary)	+2	Townsfolk are Xenophobic (max Ordinary)	+2
•	oulation (50-100 hts, max result	+1	Townsfolk are Suspicious of Strangers (max Good)	+1
Average 200 inha	Population (100- bitants)	0	Area Suffers from Raids/ Warfare	+1
High Pop inhabitar	oulation (200-500 hts)	-1	Area has Industry or Manufacturing	-1
Very Hig inhabitar	h Population (500+ hts)	-2	Area has Trade (trading post, large open market, etc.)	-1
Nearby A Picked C	Ancient Ruins, Over	-1	Stone Age Culture (max result Ordinary)	+2
	Ancient Ruins, d, No Way In*	-2	Pre-Gunpowder Culture (max result Good)	+1
	Ancient Ruins, d, Access e**	-3	Gamma Age Culture	0
protect hi radsuits, e Examples people hie max resul	mself from the radiation etc.+ s would be a Genetic I ding a gold mine, etc.	on, such Knight d	pasis by someone who has mon as Radiation Resistance mu community's attitude toward m ax results indicates the maximu	tations, nutants,
		Tab	le 4: Artifact Cond	ition
01-03		a turke	PCs have bought/stolen/ ey. This item cannot be repa	aired
04-10	repaired by someor parts.	ne with	e item is broken, but can be time, the right skills, and sp	bare
11-15	functions, one or m	ore of t	eless. If the item has multip the functions will not work. tion can be repaired.	
16-20	first time a critical fa	ailure is to func	x. The item does work, but t s rolled when using it, the ite ction. It is 75% likely that the	əm
21-95	Fully functional. Th	e artifa	ct works precisely as descr	ibed.
96-00			ct is fully functional, and in functions (for example, a g	iun



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Table 4: Ancient Age I tems	3-4.45 cal. Single-Action Revolver (DR 249) (.45 round,
	(O), 2d10 rounds)
01-02 Armor- roll 1d6	5-6.57 cal. Single-Action Revolver (DR 249) (.57 round,
1 Bulletproof Vest	(O), 2d10 rounds)
2 Khe! Burund (SAE 78)	3 Carbines- Roll 1d4
3 Protective Wear- roll 1d6	1 .45 cal. Trap-Door Carbine (DR 249) (.45 round, (O),
<b>1-2</b> Hood (DMAE 49)	2d10 rounds)
3-4Gloves (DMAE 49)	2 .56 cal. Repeating Carbine (DR 249) (.56 round, (O),
5-6Sleeves (DMAE 49)	2 .30 cal. Repeating Carbine (DR 243) (.30 round, (O), 2d10 rounds)
4 Riot Gear- Roll 1d6	4 Rifles- Roll 1d4
1 Assault Gear	
2-3Riot Helmet	1 .30 cal. Lever-Action Rifle (DR 249) (.30 round, (O),
4-6Riot Shield	2d10 rounds)
<b>5-6</b> Sports Gear- roll 1d6	<b>2</b> .44 cal. Lever-Action Rifle (DR 249) (.44 round, (O),
1-2Headgear- roll 1d8	2d10 rounds)
1 Football Helmet (AP#1)	<b>3</b> .45 cal. Trap-Door Rifle (DR 249) (.45 round, (O),
	2d10 rounds)
<ul> <li>Hockey Goalie Mask (AP#1)</li> <li>Matage gla Halmat (AP#1)</li> </ul>	4 .50 cal. Buffalo Rifle (DR 249) (.50 round, (O), 2d10
3 Motorcycle Helmet (AP#1)	rounds)
4 Lacrosse Mask (AP#1)	5 12-Gauge Repeating Shotgun (DR 249) (12 gauge
5 Baseball Batter's Helmet (AP#1)	shell, (O), 2d6 rounds)
6 Baseball Catcher's Mask (AP#1)	6 .50 cal. Gatling Gun (DR 249) (1 burst of .50 cal shells,
7 Skiing Helmet (AP#1)	(G), 1d3 bursts)
8 Bicycle Helmet (AP#1)	14 Communications- Roll 1d10-
3-4Upper Body- roll 1d6	1-2 Telephones- roll 1d8
1-2Hockey Pads- Shoulder and Full (AP#1)	1-2Telephone Call Router (DMAE 26)
3-5Football Pads- Shoulder and Chest (AP#1)	<b>3-4</b> Telephone Line Tap (DMAE 24)
6 Lacrosse Pads- Shoulder and Chest (AP#1)	5 Telephone Line Tracer (DMAE 25)
5 Lower Body- roll 1d4	6 Tap Detector (DMAE 25)
1-2Hockey/Football Pants (AP#1)	7 Caller ID Defeater (DMAE 24)
3-4Misc. Knee and Shin Pads (AP#1)	8 Lineman's Buttset (DMAE 25)
6 Supporter (cup)	3 Cell Phones- roll 1d2
03-04 Assault Rifle- roll 1d6	1 Cellular Interceptor (DMAE 24)
1-2 Assault Rifle (Clip, (G) 1d6)	2 Cellular Phone (SAE 33)
<b>3</b> 5.45mm Assault Rifle (russian) (Clip, (G) 1d6) (DMAE	4 ECM- roll 1d6
58)	
4 7.62mm Assault Rifle (russian) (Clip, (G) 1d6) (DMAE	1-2 Jammer (DMAE 26)
58)	3-4Scrambler (DMAE 26)
5 5.56mm Assault Rifle (nato) (Clip, (G) 1d6) (DMAE 59)	5-6Analyzer (DMAE 26)
6 7.62mm Assault Rifle (nato) (Clip, (G) 1d6) (DMAE 59)	5 Automated Dialer (DMAE 36)
	6 Black Box (DMAE 25)
05 Bicycle	7 Chaff (DMAE 36)
06 Binoculars	8 Multiband Comm Gear (SAE 33)
07 Enviro-suit or Biohazard Suit (DMAE 19) (50/50)	9 Communications Pack (SAE 34)
08-09 Boots, Steel-Toed (DMAE 7)	10 Laser Comm Pack (SAE 34)
10 Camouflage Clothing (DMAE 8) or Camouflage Pack	15 Computer- Roll 1d6
(DMAE 48) (50/50)	1-3 Desktop or Desktop (SAE 41)
11 Carrying System- roll 1d4	4-6 Notebook
1-2 ALICE System Pack (DMAE 10)	16 Computer Programs- roll 1d10-
3-4 MOLLE System Pack (DMAE 10)	1 Virus (DMAE 34)
12-13 Cartridge Firearms- Roll 1d6	2 Logic Bomb (DMAE 34)
<ol> <li>.32 Pocket Guns- roll 1d4</li> </ol>	3 Sniffer (DMAE 34)
1-2.32 cal. Pocket Revolver (DR 249) (.32 round, (O),	4 Firewall (DMAE 35)
1d10)	<b>5</b> Data Bug (DMAE 35)
3-4.32 cal. Two-Shot Derringer (DR 249) (.32 round,	6 Worm (DMAE 34)
(O), 1d10)	7 Trojan Horse (DMAE 34)
2 Revolvers- Roll 1d6	8 Antivirus Software (DMAE 34)
1-2.38 cal. Double-Action Revolver (DR 249) (.38	9 Tracer (DMAE 35)
round, (O), 2d10 rounds)	

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	30 Gas Mask
7 Crash Cart (DMAE 19)	31 Geiger Counter
8 Cryptography Machines- Roll 1d6	32 Generator, Portable
1-2 Encoder (DMAE 36)	33-34 Goggles- Roll 1d4
3-4 Decoder (DMAE 36)	1 Imaging
5-6 Code-Breaker (DMAE 36)	2 Protective
9 Cutting Torch	3 Infrared
0 Explosives- roll 1d6	4 Thermal (SAE 37)
1 1d4 Block Charges (SAE 23)	35 GPS Receiver (DMAE 11)
2-3 2d10 sticks of Dynamite	36-37 Grenade Launcher- roll 1d6
4 1d2 Plastic Explosives	1-2 Grenade Launcher (Grenades, (G) 1d2)
5 1d4 Satchel Charges or Satchel Charges (SAE 23)	3-4 Single-Shot Under-Barrel 40mm Grenade Launche
6 2d6 Land Mines	(Grenades, (G) 1d2) (DMAE 65)
1 Demolition Gear - roll 1d8	5-6 Rotating Barrel 40mm Grenade Launcher
1 1d4 Magnetic Casings (SAE 23)	(Grenades, (G) 1d2) (DMAE 65)
2 2d10 meters of Detcord (SAE 23)	38-40 Grenade, Dumb or Smart (50/50 for either), finds
3 1d10 Command Detonators (SAE 24)	1d6 of type rolled- Roll 1d4
4 1d6 Spike Caps (SAE 24)	1-2 Lethal - roll 1d6
5 1d4 Serrated Casings (SAE 23)	1-2AP (SAE 66)
6 1d10 Fused Detonators (SAE 23)	3-4Fragmentation
7 Sequencer Box (SAE 24)	<b>5-6</b> HEAP (DMAE 67)
8 Timer (SAE 24)	3-4 Other- roll 1d12-
2 Detector- roll 1d4	1 Concussion
1 Bug Sweeper (DMAE 31)	2 Gas (SAE 66)
2 Life Detector (DMAE 32)	3 Incendiary
3 Metal Detector (DMAE 32)	4 Smoke
4 Trajectory Detector (DMAE 32)	5 CS Gas (DMAE 67)
3 DIY Manual- roll 1d6	6 EMP (DMAE 67)
1-2 Ordinary Quality (DMAE 17)	7 Sticky Bomb (DMAE 67)
3-4 Good Quality (DMAE 17)	8 Stingball (DMAE 67)
5-6 Amazing Quality (DMAE 17)	9-10 Stun (DMAE 67)
4 Evidence Kits- roll 1d6	11 Thermite (DMAE 67)
1 Standard (DMAE 12)	12 Tranquilizer (DMAE 68)
2 Drug & Narcotics (DMAE 12)	41 1d4 pairs of Handcuffs
3 Photographic (DMAE 12)	42 Hand Mortar
4 Fingerprint (DMAE 12)	43 Hazmat Kit- roll 1d6
5 Casts & Molds (DMAE 13)	1-2 Chemical Spill Kit (DMAE 15)
6 Arson & Explosives (DMAE 13)	<b>3-4</b> Biocontainment Kit (DMAE 15)
5 Fire Extinguisher	5-6 Radiation Leak Kit (DMAE 15)
6 Flamethrower (Canister, (A) 1d2)	44 Hoffmann Institute Scientific and Technological Gear
7 Flare Gun (Flare, (O) 1d4)	roll 1d4
8-29 Flintlock Firearms (Technically Gamma Age, but	1 Chemistry Lab (DMAE 13)
from Dragon)- Roll 1d8	2 Astronomical (DMAE 13)
1-2 .32 cal. Four-Barrel Pistol (DR 249) (Gamma Age	3 Meteorological (DMAE 13)
flintlock ammo)	4 Hacking (DMAE 13)
3 .50 cal. Duelling Pistol (DR 249) (Gamma Age flintlock	45 Hoffmann Institute Special Assignment Gear- roll 1d8
ammo)	1 Haunting (DMAE 13)
4 .38 cal. Plains Rifle (DR 249) (Gamma Age flintlock	2 Vampires (DMAE 13)
ammo)	3 Werewolves (DMAE 14)
5 .52 cal. Long Rifle (DR 249) (Gamma Age flintlock	4 Monsters (DMAE 14)
ammo)	5 Demons (DMAE 14)
6 .69 cal. Musket (DR 249) (Gamma Age flintlock ammo)	6 Abductions & Encounters (DMAE 14)
7 Weren Flintlock Musket (Alien Compendium, pg 20)	7 Magic (DMAE 15)
(Gamma Age flintlock ammo)	8 Miracles (DMAE 15)
8 Weren Flintlock Pistol (Alien Compendium, pg 20)	46-47 Hunting Rifle- roll 1d6
(Gamma Age flintlock ammo)	1-2 Hunting Rifle (Clip, (O) 1d6)
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<b>3-4</b> Deer Rifle (Clip, (O) 1d6) (DMAE 61)	4 Garrote (DMAE 72)
5-6 Safari Rifle (Clip, (Ó) 1d6) (DMAE 61)	5 Metal Baton (DMAE 72)
8-49 Lockpick Set- roll 1d6	6 Night Stick (DMAE 72)
1-2 Ordinary (DMAE 16)	7 Nunchaku (DMAE 72)
3-4 Good (DMAE 16)	8 Three-Section Staff (DMAE 73)
5-6 Amazing (DMAE 16)	60-61 Odd Weapons- roll 1d12
0-51 Machine Gun- Roll 1d6	1 .22 cal Fountain Pen (DMAE 68)
<b>1</b> Light (Belt, (A) 1)	<b>2</b> .22 cal Knife (DMAE 68)
2 Heavy (Belt, (A) 1)	<b>3</b> .38 cal Cigar (DMAE 68)
<b>3</b> 7.62mm Machine Gun (nato) (Belt, (A) 1) (DMAE 64)	4 Air Pistol (DMAE 68)
<b>4</b> 5.56mm Machine Gun (nato) (Clip, (A) 1) (DMAE 64)	<b>5-6</b> Air Rifle (DMAE 68)
<b>5</b> 7.62mm Machine Gun (russian) (Belt, (A) 1) (DMAE 64)	<b>7</b> Blowgun (DMAE 68)
6 5.45mm Machine Gun (russian) (Belt, (A) 1) (DMAE 65)	8 Coffee Can Projector (DMAE 68)
2-53 Machine Pistol- roll 1d6	9 Harpoon Gun (DMAE 69)
<b>1-2</b> 9mm Machine Pistol (Clip, (G) 1d2) (DMAE 55)	
<b>3-4</b> .32 ACP Machine Pistol (standard) (Clip, (G) 1d2)	11 Trash Can Mortar (DMAE 69)
(DMAE 55) <b>5.</b> Common Marchine Distal (unit) (Oline (O) 4d2) (DMAE 55)	12 Zip Gun (DMAE 69)
5-6 9mm Machine Pistol (uzi) (Clip, (G) 1d2) (DMAE 55)	62-63 Percussion Cap Firearms- Roll 1d8
4 Nav Gear- Roll 1d4	<b>1</b> .22 cal. Pepperbox (DR 249) (.22 round, (O), 2d10
1 Celestial Navkit (SAE 38)	rounds)
2 Gyrocompass (SAE 38)	<b>2</b> .36 cal. Navy Revolver (DR 249) (.36 round, (O), 2d10
3 Inertial Navkit (SAE 38)	rounds)
4 Satellite Receiver (SAE 38)	<b>3</b> .44 cal. Army Revolver (DR 249) (.44 round, (O), 2d10
5-56 Non-Lethal Weapons- roll 1d20-	rounds)
1-3 CS Gas Fogger (DMAE 69)	<b>4</b> .41 cal. Derringer (DR 249) (.41 round, (O), 1d8 rounds)
4 HERF Weapon (DMAE 69)	<b>5</b> .52 cal. Carbine (DR 249) (.52 round, (O), 1d8 rounds)
5-6 Ketch-All Pole (DMAE 69)	6 .36 cal. Revolver Rifle (DR 249) (.36 round, (O), 2d10
7 Laser Blinder (DMAE 69)	rounds)
8 Liquid Metal Embrittlement Sprayer (DMAE 69)	7 .58 cal. Rifle-Musket (DR 249) (.58 round, (O), 1d8
9-10 Net Launcher (DMAE 70)	rounds)
11-12 Pepper Spray (DMAE 70)	8 12 ga Double-Brl. Shotgun (DR 249) (12 gauge shell,
13 Sticky Foam Sprayer (DMAE 70)	(O), 2d6 rounds)
14 Strobe Light (DMAE 70)	64 Personal Alarm (DMAE 9)
15 Subsonic Nauseator (DMAE 71)	65-66 Pharmaceutical- Roll 1d12
16 Superlubricant Sprayer (DMAE 71)	1 Anesthetic
<b>17-18</b> Water Cannon (DMAE 71)	2 Antibiotic
<b>19-20</b> Combustion Alteration Technologies (DMAE 71)	3 Antivenom
7-59 Non-Powered Melee Weapons- Roll 1d4	4 Atropine (DMAE 21)
<b>1-2</b> Blades- roll 1d20-	5 Cyanide (DMAE 22)
1 Chuurkhna (SAE 50)	6 First Aid Kit
2 Dait'sya (SAE 50)	7 Hallucinogens (DMAE 22)
3-4Katana	8 Immunization Booster (SAE 20)
5-7Combat Knife	9 Sedative
8-9Butterfly Knife (DMAE 72)	10 Steroids (DMAE 22)
10-13 Shiv (DMAE 72)	11 Stimulant
14 Sickle (DMAE 72)	12 Tranquilizer (SAE 20)
15 Spetsnaz Entrenching Tool (DMAE 72)	67 Police Scanner- roll 1d6
16 Kukri (DMAE 72)	1-2 Handheld (DMAE 30)
17 KGB Umbrella Drug Injectors (DMAE 72)	<b>3-4</b> Desktop (DMAE 30)
18 Straight Razor (DMAE 73)	<b>5-6</b> Mobile (DMAE 30)
19 Switchblade (DMAE 73)	68 Powered Weapons- roll 1d6
20 Sword Cane (DMAE 73)	1-2 Chainsaw (Energy Cell (G) 1d4)
3-4 Blunt Weapons- roll 1d8	3-4 Shock Stick (Energy Cell (G) 1d4) (DMAE 72)
1 Collapsible Baton	5-6 Stun Prod (Energy Cell (G) 1d4) (DMAE 73)
2 Tong Fe (SAE 50)	69 Primitive Missile Weapons- Roll 1d6
3 Brass Knuckles ((DMAE 71)	<b>1-2</b> Apache LX Reflex Bow (SAE 60) (Arrow, (O) 2d10)

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The Arms Race

The Gamma World Shopper - Derek Winston

3-4 Commando 3000 Crossbow (SAE 61) (Bolt, (O) 3 Heavy (Clip, (O) 2d6) 2d10) 412 Gauge Pump Shotgun (Clip, (O) 1d6) (DMAE 59) 512 Gauge Automatic Shotgun (Clip, (O) 1d6) (DMAE 60) 5-6 Cobra F77 Dart Gun (SAE 61) (Dart, (O) 1d4) 70-71 Radio- Roll 1d4 610 Gauge Pump Shotgun (Clip, (O) 1d6) (DMAE 60) 1-2 Personal 87 Sniper Rifle- roll 1d6 3-4 Transmitting 1-2 7.62 Sniper Rifle (nato) (Clip, (G) 1d4) (DMAE 61) 72 Raft, Inflatable 3.300 Win Mag Sniper Rifle (Clip, (G) 1d4) (DMAE 62) 73 Recorder- roll 1d4 4 Benchrest Railgun (Bullet, (G) 1d4) (DMAE 62) 1 Audio Tape (DMAE 31) 57.62mm Sniper Rifle (russian) (Clip, (G) 1d4) (DMAE 63) 2 Video Tape (DMAE 31) 6.50 cal Sniper Rifle (nato) (Clip, (G) 1d4) (DMAE 63) 88 Specialized Ammo- Roll 1d20 3 Recordable CD (DMAE 31) 4 Recordable Mini-Disc (DMAE 31) 1 MightyMite (SAE 68) 2 B-Mace Gel (SAE 68) 74 Remote Robots- roll 1d4 1-3 Police Remote- roll 1d6 3 Birdshot (DMAE 60) 1-2 Surveillance (DMAE 17) 4-5 Buckshot (DMAE 60) 3-4 Bomb Disposal (DMAE 18) 6 Rifled Slug (DMAE 60) 5-6 Tactical (DMAE 18) 740mm Foam Rubber (DMAE 77) 4 Military Remote (DMAE 18) 8 AP (DMAE 77) **Revolver- Roll 1d8** 9 Beanbag Round (DMAE 78) 75-77 1 Light (Clip, (O) 1d6) Dart w/ Chemical Load (DMAE 78) 10 3 Heavy (Clip, (O) 1d6) 11-12 Flechette (DMAE 78) 2 Medium (Clip, (O) 1d6) 13-14 Frangible (DMAE 78) 4 Magnum (Clip, (O) 1d6) HE (DMAE 78) 15 5.38 cal Revolver (Clip, (O) 1d6) (DMAE 50) Pepper Balloon (DMAE 78) 16 6.357 Magnum Revolver (Clip, (O) 1d6) (DMAE 50) 17 Rubber (DMAE 78) 7.44 Magnum Revolver (Clip, (O) 1d6) (DMAE 51) 18 Subsonic (DMAE 78) 8454 Casull Revolver (Clip, (O) 1d4) (DMAE 51) Tracers (DMAE 78) 19 78 Rocket Launcher (Rocket, (A) 1d2) 20 WP (DMAE 78) 79 Rockets- Roll 1d4 89 Still Camera- roll 1d6 1 Antiair (SAE 66) 1-2 Ordinary (DMAE 27) 2 Antipersonnel (SAE 66) Good (DMAE 27) 3-4 3 Antivehicle (SAE 66) 5-6 Amazing (DMAE 27) 4CHE (SAE 66) 90-91 Sub-Machine Guns- roll 1d8 80 SAM, Handheld (SAM, (A) 1) 1-2 Submachine Gun (Clip, (G) 1d4) 81 Scanner- Roll 1d4 35.45 mm Submachine Gun (russian) (Clip, (G) 1d4) 1-2 Imaging (SAE 38) (DMAE 56) 3-4 Weapon Detector (SAE 38) 49mm Submachine Gun (full) (Clip, (G) 1d4) (DMAE 56) 59mm Submachine Gun (small) (Clip, (G) 1d4) (DMAE 82 Scuba Gear 83-84 Semi-Automatic Handguns- roll 1d10 57) 1 Pistol, Semiautomatic (Clip, (O) 1d2) 6.45 ACP Submachine Gun (Clip, (G) 1d4) (DMAE 57) 2.22 cal Semi-Automatic Pistol (Clip, (O) 1d2) (DMAE 51) 79mm Submachine Gun (large capacity) (Clip, (G) 1d4) **3**.22 cal Semi-Automatic Pistol, Silenced (Clip, (O) 1d2) (DMAE 57) (DMAE 52) 89mm Submachine Gun (uzi) (Clip, (G) 1d4) (DMAE 57) 92 Surveillance Gear- Roll 3d6 4.32 ACP Semi-Automatic Pistol (Clip, (O) 1d2) (DMAE 52) 31d4 Bugs (SAE 39) 5.380 ACP Semi-Automatic Pistol (Clip, (O) 1d2) (DMAE 4 Acessories- roll 1d6 52) Tripod (DMAE 32) 1 69mm Semi-Automatic Pistol (Clip, (O) 1d2) (DMAE 52) Rifle Stock Mount (DMAE 32) 2 7 Silenced 9mm Semi-Automatic Pistol (Clip, (O) 1d2) 3 Trigger Mechanism (DMAE 32) (DMAE 53) 4-5 Earpiece (DMAE 32) 810mm Semi-Automatic Pistol (Clip, (O) 1d2) (DMAE 53) 6 Headphones (DMAE 32) 9.45 cal Semi-Automatic Pistol (Clip, (O) 1d2) (DMAE 54) 5 Recorder (SAE 39) 10 .50 cal AE Semi-Automatic Pistol (Clip, (O) 1d2) 6 Microcam (SAE 39) (DMAE 54) 7 Transmitter (SAE 39) Shotgun- Roll 1d6 8 Laser Microphone (SAE 39) 85-86 1-2 Regular (Clip, (O) 2d6) 9 Microphone, Parabolic

The Apocalyptic Post	The Arms Race The Gamma World Shopper - Derek Winston
10 Pickup Mike (DMAE 29)	Table 5: Shadow Age I tems
<ol> <li>Shotgun Mike (DMAE 29)</li> <li>Contact Mike (DMAE 30)</li> <li>Induction Mike (DMAE 30)</li> <li>Microtransmitter (DMAE 30)</li> <li>Electronic Tracking System (DMAE 31)</li> <li>Miniature Light Stick (DMAE 31)</li> <li>Voice-Activated Transmitter (DMAE 31)</li> <li>Digital Burst Transmitter</li> <li>Taser (Energy Cell, (G) 1d4)</li> <li>Toolkit- Roll 1d6</li> <li>1Armorer (SAE 28)</li> <li>Electronics (SAE 28)</li> <li>Electronics (SAE 28)</li> <li>Electronics (SAE 28)</li> <li>Specialized</li> <li>Standard</li> <li>Translator- Roll 1d4</li> <li>Taraslator- Roll 1d4</li> <li>Translator Roll 1d4</li> <li>Translator Roll 1d4</li> <li>Translate (SAE 35)</li> <li>Active Interpreter (SAE 35)</li> <li>Gutralight Glider</li> <li>Y videam or Minicam</li> <li>Video Shades (DMAE 28)</li> <li>Water Condenser or Purifier</li> <li>Weapon Accessories- Roll 1d12-</li> <li>1 Falcon X Guidance System (SAE67)</li> <li>2 Sights- roll 1d10</li> <li>Mongoose Imaging Sights (SAE 67)</li> <li>2 Digital (DMAE 74)</li> <li>Illuminated (DMAE 74)</li> <li>S Laser Aiming Dot (DMAE 74)</li> <li>Light-Enhancement (DMAE 74)</li> <li>Teanslight (DMAE 74)</li> <li>Thermal (DMAE 74)</li> <li>Thermal (DMAE 74)</li> <li>Theshlight (DMAE 74)</li> <li>Thermal (DMAE 74)</li> <li>Gliystable Stock (DMAE 73)</li> <li>SBalancing (DMAE 73)</li> <li>SBalancing (DMAE 73)</li> <li>SBalancing (DMAE 73)</li> <li>SMagazines- roll 1d6</li> <li>Bandoleer (DMAE 75)</li> <li>S addlebag (DMAE 75)</li> <li>S addlebag (DMAE 75)</li> <li>S addlebag (DMAE 75)</li> <li>Grenade Adapter (DMAE 75)</li> <li>Grenade Adapter (DMAE 75)</li> </ol>	<ol> <li>Alien Weapons &amp; Armor- roll 1d6         <ol> <li>Grey Energy Pistol (h) (Energy Pack, (A) 1) (DMAE 88)</li> <li>Grey Energy Rifle (h) (Energy Pack, (A) 1) (DMAE 89)</li> <li>Sandman Needler Pistol (a) (Needler Clip, (A), 1d2) (DMAE 89)</li> <li>Elohim Armor (DMAE 89)</li> <li>Elohim Fiery Sword (Energy Pack, (A) 1) (DMAE 89)</li> <li>Elohim Fiery Sword (Energy Pack, (A) 1) (DMAE 89)</li> <li>Elohim Fiery Sword (Energy Pack, (A) 1) (DMAE 89)</li> <li>Elohim Fiery Sword (Energy Pack, (A) 1) (DMAE 89)</li> <li>Red Mercury</li> </ol> </li> <li>Arc Guns and Flamers- Roll 1d6         <ol> <li>Page 10, (A) (AP#2) (Energy Cell, (G) 1d4)</li> <li>Sactor (A) 1d2)</li> <li>ARC Gun (a) (AP#2) (Energy Cell, (G) 1d4)</li> <li>Sactokey (SAE 29)</li> </ol> </li> <li>Berrek Carridge, (A) 1d2)</li> <li>Berrek Care Roll 1d4         <ol> <li>Berrek Care Roll 1d6</li> <li>Parek Circuit Finder (SAE 30)</li> <li>Berrek Laser Torch (SAE 27)</li> <li>Berrek Powered Jaws (SAE 27)</li> <li>Binders (SAE 29)</li> </ol> </li> <li>Basters- Roll 1d6         <ol> <li>Page Pistol- Roll role (G) 1d4)</li> <li>Atk 7 Blaster (h) (Energy Cell, (G) 1d4)</li> <li>Atk 7 Blaster (h) (Energy Cell, (G) 1d4)</li> <li>Atk 8 Blaster (h) (Energy Cell, (G) 1d4)</li> <li>Bond-o-Matic Molecule Weld (SAE 30)</li> </ol> </li> <li>10-11 Charge Weapons- Roll 1d6     <ol> <li>Charge Pistol- Roll 1d6</li> <li>Charge Rifle- Roll 1d6</li> <li>Charge Rifle- Roll 1d6</li> <li>Charge Rifle- Roll 1d</li></ol></li></ol>



The Apocalyptic Post	The Arms Race The Gamma World Shopper - Derek Winstor
1 Black Ray Pistol (h) (Energy Cell, (G) 1d4)	•••••••••••••••••••••••••••••••••••••
2 Conversion Beamer (AP#3) (h) (Energy Cell, (G) 1d4)	<b>5-6</b> Stun (a)
3 Gravity Gun(AP#3) (a) (Energy Cell, (G) 1d4)	34 Gridware- Roll 1d4
4-5 Needler Pistol (a) (Needler Clip, (A), 1d2)	1-3 Gridcaster Helmet (SAE 42)
6 Ph60 Flash Gun (DR 273) (Energy Cell, (G) 1d4)	4 Homesite Unit (SAE 42)
7 Solar Scorcher (AP#3) (h) No clips necessary	35 Habitat Dome
8 Tangler (a) (Tangler Clip, (G) 1d4)	36-37 Heavy Weapons- Roll 1d6
21-22 Flechette Weapons- Roll 1d6	<b>1-2</b> Bantam 5 Rocket Launcher (a) (SAE 65) (Rocket, (A)
<b>1-2</b> Flechette Pistol (a) or Devastator Flechette Pistol (a) (SAE 53) (Clip, (G) 1d2)	1d2) 3-4 Grenade Rifle (h) or ZK5 Grenade Launcher (h) (SAE
<b>3-4</b> Flechette Rifle (a) (Clip, (G) 1d2)	64) (Grenade, (A) 1d2)
5 Flechette SMG (a) (Clip, (G) 1d2)	<b>5-6</b> HAK-59 Quantum Minigun (a) (SAE 64) (Quantum
<b>6</b> AGC Autoflechette Shotgun (a) (SAE 53) (Clip, (G) 1d2)	Cell, (A) 1)
23-24 Force Fields- Roll 1d6	38 Holorecorder or Holoviewer (50/50)
1-2 Deflection Screen- Roll 1d4	39 Instrument Pack- Roll 1d6
1-2 Rampart Deflection Inducer (h) (SAE 76) (Energy	1-2 Biology
Cell, (G) 1d4)	3 Botany
<b>3-4</b> Anvil 44 Magnetic Screen (h) (SAE 77) (Energy	4 Chemistry
Cell, (G) 1d4)	5 Physics
<ul> <li>3-4 Force Field (Energy Cell, (G) 1d4)</li> <li>5-6 Particle Screen- Roll 1d4</li> </ul>	6 Zoology 40-41 Laser Weapons- Roll 1d8
<b>1-2</b> Alpha 50 Particle Screen (h) (SAE 77) (Energy	<b>1-2</b> Laser Pistol (h) (Energy Cell, (G) 1d4)
Cell, (G) 1d4)	3 Ninja 600 Laser Pistol (h) (SAE 57) (Energy Cell, (G)
<b>3-4</b> SCM-16 Capacitor Screen (h) (SAE 77) (Energy	1d4)
Cell, (G) 1d4)	<b>4-5</b> Laser Rifle (h) (Energy Cell, (G) 1d4)
25 Gauntlet- Roll 1d6	6 CLR-19 Laser Rifle (h) (SAE 57) (Energy Cell, (G) 1d4)
1 Aerocaster (a) (SAE 30)	7 Laser SMG (h) (Energy Cell, (G) 1d4)
2 Diver (a) (SAE 36)	8 Valkyrie 9 Autolaser (h) (SAE 57) (Energy Cell, (G) 1d4)
3 Medical (a) (SAE 42)	42-43 Masks- Roll 1d4
4 Professional- Roll 1d6	1-2 Gill A4 Respirator Mask (SAE 85)
1Gridcaster (a) (SAE 42)	3-4 VacMaster 77 Vacuum Mask (SAE 85)
2Ops (a) (SAE 42)	44-45 Mass Weapons- Roll 1d6
<b>3</b> Pilot (a) (SAE 42) <b>4</b> Science (a) (SAE 42)	<b>1-3</b> Nova 6 Mass Pistol (h) (SAE 55) (Energy Cell, (G) 1d4)
<b>5</b> Security (a) (SAE 42)	<b>4-5</b> AAMG-12 Mass Rifle (h) (SAE 56) (Energy Cell, (G)
6Tactics (a) (SAE 42)	1d4)
5 Radar (a) or Radar (a) (SAE 36)	6 Supernova XI Cannon (h) (SAE 56) (Energy Cell, (G)
6 Sensor (a) or Sensor (a) (SAE 36)	1d4)
26 Gauss Weapon- roll 1d6	46 Melter Guns- Roll 1d6
1-2 Gauss SMG (h) (AP#2) (Gauss Clip, (A) 1)	<b>1-3</b> VMP 40-Watt Melter Pistol (DR 273) (h) (Energy Cell,
<b>3-4</b> Gauss Battle Rifle (h) (AP#2) (Gauss Clip, (A) 1)	(G) 1d4)
5 Gauss Dragonslayer (h) (AP#2) (Gauss Clip, (A) 1)	<b>4-5</b> Firebird 80-Watt Mega-Melter (DR 273) (h) (Energy
6 Gauss CAW (h) (AP#2) (Gauss Clip, (A) 1)	Cell, (G) 1d4)
<ul> <li>27 General Industries Equipment- Roll 1d4</li> <li>1-2 Induction Disk (SAE 26)</li> </ul>	6 Phoenix 200-Watt Assault Melter (DR 273) (h) (Energy Cell, (G) 1d4)
<b>3-4</b> Walker (SAE 29)	47 Memory Crystal
28 Glow Cube	48 Microbot (DMAE 36)
29-30 Goggles- Roll 1d4	49-50 Pharmaceutical- Roll 1d8
<b>1-2</b> Magnifying (SAE 37)	1 Anti-Etoile Nanites (DMAE 23)
<b>3-4</b> Sonic (SAE 37)	2-3 Antiradiation
31 Graft- Roll 1d4	4 Analgesic (SAE 20)
1-2 Bone (SAE 18)	5 Coagulant
<b>3-4</b> Tissue (SAE 18)	6 Ekimmu Essence (DMAE 23)
32-33 Grenade- Roll 1d6	7 Mutagenic Serum (DMAE 22)
<ol> <li>Bloodhound 5 F3 Smart Grenade (h) (SAE 65)</li> <li>Bloome (h)</li> </ol>	8 PSI Blockers (DMAE 22)
2 Plasma (h)	51-52 PlanetWide Climate Wear- Roll 1d6

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<ul> <li>1-3 Sunrunner 60 Climate Suit (SAE 83)</li> <li>4-5 Orbiter C1 Soft Environment Suit (SAE 83)</li> <li>6 Explorer D9 Armored Environmental Suit (SAE 84)</li> <li>53-54 Plasma Gun- Roll 1d4</li> <li>1-2 D-16 Plasma Gun (h) (SAE 63) (Plasma Pack, (A) 1)</li> <li>3-4 G12 Plasma Pistol (DR 273) (a) (Energy Cell, (G) 1d4)</li> <li>75 Plasma Jelly</li> <li>76-57 Powered Weapons- Roll 1d6</li> <li>1 Baton- Roll 1d6</li> <li>1 Dragonfist 20 Stun-Chucks (DR 273) (a) (Energy Cell, (G) 1d4)</li> <li>44 Mijolnir 220 Rocket Maul (DR 273) (h) (Energy Cell, (G) 1d4)</li> <li>45 Plasma Seaton (a) (Energy Cell, (G) 1d4)</li> <li>44 Mijolnir 220 Rocket Maul (DR 273) (h) (Energy Cell, (G) 1d4)</li> <li>67 DrukThumper 6000 Stun Baton (a) (SAE 47) (Energy Cell, (G) 1d4)</li> <li>60 1d4</li> <li>61 Containsword (a) (SAE 48) (Energy Cell, (G) 1d4)</li> <li>2-3 Blade- Roll 1d8</li> <li>1AX2 Chainsword (a) (SAE 48) (Energy Cell, (G) 1d4)</li> <li>2K-3 Zero-G Axe (SAE 49)</li> <li>3-4 Samurai 300 Ion Blade (a) (SAE 47) (Energy Cell, (G) 1d4)</li> <li>51 Emplar 27-N Power Sword (DR 273) (a) (Energy Cell, (G) 1d4)</li> <li>71 Stamurai 300 Ion Blade (a) (SAE 48) (Energy Cell, (G) 1d4)</li> <li>71 Stamurai 300 Ion Blade (a) (SAE 48) (Energy Cell, (G) 1d4)</li> <li>72 Forbagger (h) (Energy Cell, (G) 1d4)</li> <li>73 Funder 150 Gravmace (h) (SAE 48) (Energy Cell, (G) 1d4)</li> <li>3-4 Headbuster Power Cestus (SAE 49) (Energy Cell, (G) 1d4)</li> <li>3-4 Thunder 150 Gravmace (h) (SAE 49) (Energy Cell, (G) 1d4)</li> <li>3-4 Neural Bite (AP#3) (a) (Energy Cell, (G) 1d4)</li> <li>3-4 Neural Bite (AP#3) (a) (Energy Cell, (G) 1d4)</li> <li>3-4 Neural Bite (AP#3) (a) (Energy Cell, (G) 1d4)</li> <li>3-4 Neural Whip (a) (Energy Cell, (G) 1d4)</li> <li>3-4 Neural Whip (a) (Energy Cell, (G) 1d4)</li> <li>3-4 Neural Whip (a) (Energy Cell, (G) 1d4)</li> <li>3-4 Neural Bite (AP#3) (a) (Energy Cell, (G) 1d4)</li> <li>3-4 Neural Bite (AP#3) (a) (Energy Cell, (G) 1d4)</li> <li>3-4 Neural Bite (AP#3) (a) (Energy Cell, (G) 1d4)</li> <li>3-4 Neural Bite</li></ul>	<ul> <li>6 Ronin 900 25mm Cannon (h) (SAE 55) (Clip, (A), 1)</li> <li>63 SAI Powered Shield (SAE 76) (Energy Cell, (G) 1d4)</li> <li>64-65 SekureTek Power Restraints- Roll 1d4 <ul> <li>1-2 Biodamper (SAE 31)</li> <li>3-4 Cyberdamper (SAE 31)</li> </ul> </li> <li>66-67 Sensors- Roll 1d4 <ul> <li>1 Biodetector (SAE 36)</li> <li>2 EM Detector (SAE 36)</li> <li>3 Chem Detector (SAE 36)</li> <li>4 Rad Detector (SAE 36)</li> </ul> </li> <li>68-69 Solar X Gear- Roll 1d4 <ul> <li>1-2 Sparrow Gravity Belt (SAE 87)</li> <li>3-4 Spinnaker Parafoil (SAE 88)</li> </ul> </li> <li>70-71 SAI Powered Shield (SAE 76) (Energy Cell, (G) 1d4 <ul> <li>1-2 Banshee Mk IV Screamer Pistol (a) (DR 273) (Clip, (f) 1d4)</li> </ul> </li> <li>3-4 Banshee Mk IX Screamer SMG (a) (DR 273) (Clip, (f) 1d4)</li> <li>3-4 Banshee Mk IX Screamer SMG (a) (DR 273) (Clip, (f) 1d4)</li> </ul> <li>72-73 Specialized Ammo- Roll 1d8 <ul> <li>1 Black Thunder AP Round (SAE 68)</li> <li>2 Archer AA Stabilized Round (SAE 68)</li> <li>3 Fandær C5 Flechette Round (SAE 68)</li> <li>5 Snake Eyes IR Homing Round (SAE 68)</li> <li>6 MightyMite Explosive Round (SAE 68)</li> <li>7 Shredder C5 Flechette Round (SAE 68)</li> <li>8 Talon X Guided Round (SAE 68)</li> <li>7 Stretcher- Roll 1d4 <ul> <li>1-2 Falcon T9 Stutter Pistol (a) (SAE 58) (Energy Cell, (C) 1d4)</li> </ul> </li> <li>3-4 Tauri 9 Impact Pistol (a) (SAE 58) (Energy Cell, (C) 1d4)</li> <li>3-5 Cyclone 700 Stutter SMG (a) (SAE 59) (Energy Cell, (G) 1d4)</li> <li>8-9 Sirocco 100 Stutter Rifle (a) (SAE 59) (Energy Cell, (G) 1d4)</li> <li>8-9 Sirocco 100 Stutter Rifle (a) (SAE 59) (Energy Cell, (G) 1d4)</li> <li>7 Surgical Kit</li> <li>78-79 Terra X Camping Accessories- Roll 1d8 <ul> <li>1 TerrainMaster 5 Portable Cabin (SAE 81)</li> <li>2 Stevens A20 Camping Module (SAE 81)</li> <li>3 Gliese 300 Habitat Dome (SAE 81)</li> <li>3 Gliese 300 Habitat Dome (SAE 81)</li> <li>3 Gliese 300 Habitat Dome (SAE 82)</li> <li>6 ArboReal Sleeping Platform (SAE 82)</li> <li>7 Armadillo MPT 2 Man Tent (SAE 82)</li> <li>8 W</li></ul></li></ul></li>

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#### Irradiated Errata •

17. A. A.

The Apocalyptic Post	Irradiated Errata     New Ability and House Rules - Derek Holland
<b>*</b> ·· <b>··</b> ·· <b>··</b> ························	
4 Rocketboy Self-Propelled Grapple (SAE 89)	New Ability and House Rules
5 BugZap Sonic Barrier (SAE 90)	- 5th - Derek Holland
6. Superfly Climbing Guards (SAE 88)	I am taking some of the rules of the 4th edition of Gamma
82-83 Trauma Pack- Roll 1d4 1 Regular Trauma Pack	World on converting them to the 5th edition. Some of this
2 Smart Trauma Pack	material can also be used in other Alternity campaigns.
3 Trauma Pack I (SAE 22)	
4 Trauma Pack II (SAE 22)	The <i>first</i> is the new ability of senses. It has only one broad skill, Awareness. To increase the number of ability points to
84 TyKo Gear- Roll 1d4	allow for this addition, just take the current amount and divide
1-2 Carbide Shears (SAE 23) (Energy Cell, (G) 1d4)	by the number of current abilities (you should get 10 or 11)
3-4 Miniwinch (SAE 30) (Energy Cell, (G) 1d4) 85-88 Unpowered Armor- Roll 1d10	and then add that number to the total. That is, if you used 60
1 Alien Armor- Roll 1d4	points you should get 70 ( $60/6 = 10$ , $10+60 = 70$ ). The ability
1-2 Bellweyn Sil (SAE 79)	score limits for each of the official races are as follows:
<b>3-4</b> Ptokh K'se (SAE 78)	Human 4-14 Mutant 4-14 Fraal 4-14 T'sa 4-15
2 Attack Armor- Roll 1d6	
1-2 Attack Armor	Android 4-15 Weren 4-15 Sesheyan 4-12
<b>3-4</b> Polymere Attack Armor	Dabber 5-15 Sleeth 4-14 Sasquatch 5-15
<ul><li>5-6 Dauntless 29 Attack Armor (SAE 71)</li><li>3 Assault Gear Roll 1d4</li></ul>	
<b>1-2</b> Battlehawk Zero-G Assault Gear (SAE 69)	With this new ability, all species have Awareness as a free
<b>3-4</b> Scout 230 AET Assault Gear (SAE 69)	broad skill.
4 Ballistic Armor- Roll 1d4	The second rule is that of species "mutations" as outlined in
1-2 BodyGuard Ballistic Vest (SAE 70)	his Gamma Squirrels and Mutant Moose in Dragon 272. In
3-4 Landsknecht 34 Ballistic Jacket (SAE 70)	that, he reduces the number of mutation points due to the
5 Battle Jacket	natural abilities of the different species. In the 4th edition,
<ul> <li>6 Carbonate Fiber (CF) Armor- Roll 1d8</li> <li>1-3 Haramaki 100 CF Coat (Jacket) (SAE 70)</li> </ul>	animals kept those "mutations" and defects and still got 5
<b>4-6</b> Haramaki 200 CF Coat (Duster) (SAE 70)	mutations. So I suggest that all animals get 7 point above what they already have. And that mutation rolls that give a
<b>7-8</b> Milano GX CF Bodysuit (SAE 71)	better version of the mutation are used, without mutation
7 Cerametal Armor- Roll 1d4	points lost or gained.
1ACN 4 Cerametal Armor (SAE 72)	The third has to do with a few mutations and defects and has
2Bushmaster Cerametal Mail (SAE 72)	nothing to do with the 4th edition. The defect of physical
<ul><li>3-4 Aegis 650 Cerametal Shield (SAE 76)</li><li>8 Enviro-armor</li></ul>	change is blown way out of proportion. The minor version
9 Fabristeel- Roll 1d6	should be a slight defect and the major version should be a
1-2 Coat	moderate defect. The personality skill penalties only apply
3-5 Jacket	when the mutant encounters bigoted PSHs. The mutation of
6Jumpsuit	poison attack should have differences between mutant plants and animals. Most plants already have some sort of chemical
10 Shield, Plasteel	defense, as they can not run from herbivores. So I use 3
<ul><li>89-90 Unpowered Weapons- Roll 1d4</li><li>1-2 Patriot II Explosive Lance (DR 273)</li></ul>	versions of poison attack for them.
<b>3-4</b> T-Bar TN Blade (SAE 48)	
91-92 Vidcam- roll 1d6	<b>Poison Attack</b> , Improved/Enhanced/Hyper Ordinary/Good/ Amazing, Activated, CON
1-2 Dual Holocam (SAE 39)	
<b>3-4</b> Minicam (SAE 39)	Plants with the improved version can only produce an irritant.
5-6 Vidcam (SAE 40)	Those with the enhanced version can produce irritants, paralytic toxins and caustic agents. And those with the hyper
93 Walker, Medical (SAE 22) 94-96 Weapon Accessories- Roll 1d4	version can produce any toxin. Otherwise this is identical to
<b>1-2</b> Target X Holo Sights (SAE 67)	the animal mutation of the same name.
<b>3-4</b> Reaper 700 IFF Sights (SAE 67)	
97-98 Weight Neutralizer (SAE 29)	And <i>last</i> is the renaming and moving of several of the broad and specialty skills. The first is Life Science is renamed
99-00 Render Weapons- Roll 1d4	Biology and Biology renamed Microbiology/Biochemistry.
<b>1-2</b> X-LOK Render Pistol (DR 273) (h) (Graviton Pack, (A)	Resolve is left in the will based skills, but the physical resolve
1) <b>3-4</b> Z-LOK Render Rifle (h) (SAE 63) (Graviton Pack, (A)	skill is based on constitution for skill checks (how individual
1)	GMs want deal with this oddity is left to them). Investigate is
<i>'</i>	moved to senses and Street Smarts is moved to intelligence.
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#### • Mutants, Martyrs, and Madmen Easy NPC Creation for GW 5th ed. - Derek Winston

## The Apocalyptic Post

#### Easy NPC Creation for GW Alternity -Derek Winston

Here's a quick cheat sheet for making NPC's for Gamma World 5th edition. I use these tables to make everything from combat encounters to quick man-onthe-street situations. If you need to get any more detailed than this, you should use the full character generation rules given in the GW Rulebook.

SAE- Stardrive Arms and Equipment Guide DMAE- Dark Matter Arms and Equipment Guide DR- Dragon, issue # AP- Apocalyptic Post

- 1. Choose Species
- Assign Ability Scores Assume all are average (10). If a certain race is noted for their high scores in one area, give the character a +1 resistance modifier in that area (such as STR for sasquatch, etc.)
- 3. Mutations Dabbers, sasquatch, sleeth, and other races have various mutations described in their text. Mutants, mutant animals, mutant plants, and others have one mutation only, and in addition have a funny appearance (to show that they are mutants).
- 4. Profession Each profession has certain immediate benefits -

Combat Specs have an additional -d4 die bonus on their primary weapon.

Free Agents have an additional +1 resistance modifier to one stat.

Tech Ops and Diplomats have no immediate combat benefits.

5. Skills - NPCs have skills appropriate to their weaponry. They also have any skills related to their profession. Broad skills start at 10; specialty skills start at 11. These will be modified by character level in step

6. Attributes - Choose if necessary.

7. Select Weapons and Armor - In each category, the NPC has a 5% chance per level to have a Shadow Age item. If failed, he has a 10% chance per level to have an Ancient Age item. The NPC will always at least have a Gamma Age item, except in the case of primary and secondary armor- they still have only a 10% chance to have a Gamma item.

8. Adjust for Level - NPC Combat Specs gain one point to each of their combat skills per level. Other NPCs gain one point to each of their combat skills every other level.

9. Make an Attacks Matrix. This consists of -

*Reaction Score* - Usually Ordinary/2, but may change. Also note any special abilities that affect attacks, such as Dual Brain, etc.

Defenses - Resistance modifiers and armor

Durability - 10/10/5/5

*Primary Attack* - Skill roll, attack, damage

Secondary Attack - Skill roll, attack, damage

Defending - Action and Numbers

Fleeing - Action and Numbers

The following charts can be used to outfit the NPC.

	Primary Weapons
Gamma Age Melee Weapons	(roll 1d12)
1-2: Broadsword	8: Polearm
3: Club	9: Quarterstaff
4: Flail	10: Saber
5: Great Axe	11: Shortsword
6: Hand Axe	12: Spear
7: Mace	
Gamma Age Missile Weapon	s (roll 1d20)
<b>1-2</b> : Bow, Long 12: .32 cal. Four-Barrel Pistol (DR 249)	8: Pistol, Flintlock 17-18: .69 cal. Musket (DR 249)
<b>3</b> : Bow, Short 13: .50 cal. Dueling Pistol (DR 249)	<b>9-10</b> : Rifle, Long 19: Weren Flintlock Musket (Alien Compendium, pg 20)*
<b>4-5</b> : Crossbow 14-15: .38 cal. Plains Rifle (DR 249)	<b>11</b> : Sling 20: Weren Flintlock Pistol (Alien Compendium, pg 20)*
<b>6-7</b> : Musket, Flintlock 16: .52 cal. Long Rifle (DR 249)	
Ancient Age Melee Weapons	(roll 1d20)
1: Chuurkhna (SAE 50)	12: Metal Baton (DMAE 72)
2-3: Katana	13-14: Night Stick (DMAE 72)
4: Sickle (DMAE 72)	15-16: Nunchaku (DMAE 72)
5-6: Spetsnaz Entrenching	17: Three-Section Staff (DMAE
Tool (DMAE 72)	73)
<b>7</b> : Kukri (DMAE 72)	18: Chainsaw
8-9: Collapsible Baton	19: Shock Stick (DMAE 72)
10-11: Tong Fe (SAE 50)	20: Stun Prod (DMAE 73)



## • Mutants, Martyrs, and Madmen Easy NPC Creation for GW 5th ed. - Derek Winston

			-			
Ancient Age Missile Wea	pons (roll 1d20)	7: Spetsnaz Entrenching Tool				
: Assault Rifle (any) 11: Rocket Launcher		(DMAE 72)	17: Metal Baton (DMAE 72)			
2: Flamethrower	12: SAM, Handheld	8: Kukri (DMAE 72)	18: Night Stick (DMAE 72)			
3: Grenade Launcher (any	<b>3</b> : Grenade Launcher (any) <b>13-14</b> : Semi-Automatic Handgun (any)		19: Shock Stick (DMAE 72)			
4: Hunting Rifle (any)	<b>15-16</b> : Shotgun (any)	10: Switchblade (DMAE 73)	20: Stun Prod (DMAE 73)			
5: Machine Gun (any)	<b>17</b> : Sniper Rifle (any)	11: Sword Cane (DMAE 73)				
	<b>18</b> : Commando 3000	Ancient Age Missile Weapor	is (roll 1d10)			
<ul><li>6-7: Machine Pistol (any)</li><li>8: Apache LX Reflex Bow</li></ul>	Crossbow (SAE 61) <b>19</b> : Cartridge Firearms (any	<b>1-2</b> : Cartridge Firearms (any .32 Pocket Gun or Revolver)	<b>7</b> : Cobra F77 Dart Gun (SAE 61)			
(SAE 60)	except .32 Pocket Guns and .50 cal Gatling Gun)	3: Grenade (any)	8: Revolver (any)			
<b>9-10</b> : Revolver (any)	<b>20</b> : Percussion Cap Firearms (any except .22 cal Pepperbox	4: Machine Pistol (any)	<b>9</b> : Semi-Automatic Handgun (any)			
	and .41 cal Derringer)	5: Non-Lethal Weapons (any	<b>10</b> , Tapar			
Shadow Age Melee Weap	oons (roll 1d20)	except Water Cannon)	<b>10</b> : Taser			
1-18: Powered Weapons (	any) <b>19-20</b> : T-Bar TN Blade (SAE 48)	6: Percussion Cap Firearms (any pepperbox, derringer, or				
Shadow Age Missile Wea	apons (roll 1d20)	revolver)				
1: Alien Weapons (any exc		Shadow Age Melee Weapons	s (roll 1d12)			
Elohim Armor, Elohim Flar Sword, and Red Mercury)	ning <b>13</b> : Mass Weapons (any)	1: Dragonfist 20 Stun-Chucks (DR 273)	8: Power Gloves			
2: Arc Guns and Flamers ( 3: Blaster (any)	any) <b>14</b> : Melter Guns (any) <b>15</b> : Plasma Gun (any)	2-3: Pulse Baton	<b>9</b> : Headbuster Power Cestus (SAE 49)			
4: Charge Weapons (any) 5: Chuff Weapons (any)	<b>16</b> : Repulser Weapons (any) <b>17</b> : Sabot Guns (any)	4: Mjolnir 220 Rocket Maul (DR 273)	10: AVX Neural Whip (DR 273)			
6: Experimental Weapons except Ph60 Flash Gun ar	(any	5: Nighthawk A5 Pulse Baton (SAE 47)	11: Neural Bite (AP#3)			
Tangler) <b>7-8</b> : Flechette Weapons (a	ny) <b>19</b> : Stutter Weapons (any)	<b>6</b> : PunkThumper 6000 Stun Baton	12: Neural Whip			
9-10: Heavy Weapons (an		7: Vibro Dagger				
11-12: Laser Weapons (ar	iy)	Shadow Age Missile Weapor	ns (roll 1d20)			
	Secondary Weapons	1: Alien Weapons and Armor				
Gamma Age Melee Weap	<b>3</b> 1	(pistols only)	55)			
1-2: Dagger	5: Hand Axe	2: Arc Guns and Flamers (any				
<b>3-4</b> : Gauntlet	6: Shortsword	except Dragon3 Heavy	14: VMP 40-Watt Melter Pistol (DR 273)			
Gamma Age Missile Wea		Flamer)				
1: Bola	6: .32 cal. Four-Barrel Pistol (DR	3: Charge Weapons (any pistol)	15: G12 Plasma Pistol (DR 273)			
2-3: Pistol, Flintlock	249) <b>7</b> : .50 cal. Dueling Pistol (DR 249)	<b>4-5</b> : Chuff Pistol (DR 250)	<b>16</b> : Stalwart Zf Repulser Pistol (DR 273)			
4: Shuriken	8: Weren Flintlock Pistol (Alien Compendium, pg 20)*	6: Experimental Weapons (any				
5: Sling		except Conversion Beamer and Gravity Gun)	Pistol (SAE 54)			
Ancient Age Melee Weap	. ,	7-8: Flechette Pistol or	19: Depekse Mis IV Organis			
1: Dait'sya (SAE 50)	12-13: Collapsible Baton	Devastator Flechette Pistol	18: Banshee Mk IV Screamer Pistol (DR 273)			
2-4: Combat Knife	14: Tong Fe (SAE 50)	(SAE 53)	PISIOI (DK 213)			
<b>5</b> : Butterfly Knife (DMAE 72)	15: Brass Knuckles ((DMAE 71)	<b>9-10</b> : Grenade	<b>19</b> : Stutter Weapons (any pistol)			
1 · ·	16: Garrote (DMAE 72)	11-12: Laser Weapons (any	20: X-LOK Render Pistol (DR			



#### Irradiated Errata

## The Apocalyptic Post

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Treasures of the Ancients Unofficial Errata - Moses "Wolfy" Wildermuth

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	Secondary Armor
Gamma Age (roll 1d6)	
1-2: Helm	5-6: Shield, Small
3-4: Shield, Medium	
Ancient Age (roll 1d12)	
1: Protective Wear	1-2: Hood, 3-4: Gloves, 5-6: Sleeves (all DMAE 49))
2: Riot Helmet	6-8: Camouflage Clothing (DMAE 8)
3: Riot Shield	<b>9-10</b> : Camouflage Pack (DMAE 48)
<b>4</b> : Enviro-suit	11: Gas Mask
5: Biohazard Suit (DMAE 19)	12: Scuba Gear
Shadow Age (roll 1d6)	
1: Force Field (any)	4: Aegis 650 Cerametal Shield (SAE 76)
2: Masks (any) 3: SAI Powered Shield (SAE	5-6: Shield, Plasteel

76)

	Primary Armor
Gamma Age (roll 1d6)	
1: Chain Mail	4: Leather Coat
2: Hide Armor	5: Plate, Full
3: Leather Armor	6: Plate, Partial
Ancient Age (roll 1d20)	
1-2: Bulletproof Vest	12: Skiing Helmet (AP#1)
3: Khe! Burund (SAE 78)	13: Bicycle Helmet (AP#1)
4-5: Riot Assault Gear	<b>14</b> : Hockey Pads- Shoulder and Full (AP#1)
6: Football Helmet (AP#1)	<b>15-16</b> : Football Pads- Shoulder and Chest (AP#1)
7: Hockey Goalie Mask (AP#1)	<b>17</b> : Lacrosse Pads- Shoulder and Chest (AP#1)
8: Motorcycle Helmet (AP#1)	<b>18</b> : Hockey/Football Pants (AP#1)
9: Lacrosse Mask (AP#1)	<b>19</b> : Misc. Knee and Shin Pads (AP#1)
<b>10</b> : Baseball Batter's Helmet (AP#1)	20: Supporter (cup)
11: Baseball Catcher's Mask (AP#1)	
Shadow Age (roll 1d20)	
1: Elohim Armor (DMAE 89)	5: Force Field (any)
<b>2-4</b> : PlanetWide Climate Wear (any)	<b>6-20</b> : Unpowered Armor (any except shields)

Treasures of the Ancients - Unofficial Errata - Moses "Wolfy" Wildermuth

When Treasures of the Ancients was announced, I was very excited and ordered my copy as soon as I could. I had become an ardent 4th ed player by that time and was glad that new material had been released for my game of choice. When the semi-fabled tome arrived to my door, it became a little disappointing. It looked like someone had simply mixed Gamma World Artifacts and Buck Rogers Equipment and published it, without much thought of 4th edition rules.

To me, it was a very poor effort. In a response to this, I painstakingly went through the manual and 'penciled in' corrections.

The following article details my changes, but may not be all-encompassing. Most of the changes can be applied directly to the chart at the beginning of each chapter or the appendix, but for completeness, page numbers are provided.

#### Weapons-

Page 9- Blunderbusses, both kinds, are tech V. Page 12- Coagulator, Stokes, costs 12,500, is tech V and complexity 16. Page 14- Cyclorator costs 12,000 and is tech V. Page 14- EMP Generator costs 6,500. Page 15- Gun, Flak costs 500 and is tech IV. Page 15- Gun, Flare costs 800 and is tech IV. Page 16- Gun, Lightning, is priceless and is tech V. Page 17- Gun, Nerve Impulse, costs 10,000. On the charts only- Musket - short range is 6. Page 14- Pistol, Graser, costs 8,000 and is tech V. Page 19- Rifle, Chameleon, costs 6,000 and is tech IV. Page 14- Rifle, Graser, costs 16,000 and is tech V. Page 20- Rifle, Infrared, costs 9,000 and is tech V. Page 17- Rifle, Laser, FIR, costs 1,500 and is tech V. The pistol version costs 1,250, tech V. Only on the charts- Rifle, Musket, costs 140 and short range is 25. Page 18- Mortar/Grappling hook launcher costs 1,500. Page 19- Popper Pellets cost 2,500. Page 22- Rifle, Slicer costs 14,000, and the pistol costs 8,000. Page 22- Slug Thrower, A, costs 3,000, is a semi-auto/ burst weapon with THAC of 0/+1/+3 and is tech IV. Slug Thrower, B, costs 4,000, is a semi-auto/burst weapon with THAC of /+1/+2/+6 and is tech IV. Slug Thrower, C, costs 5,000, is a semi-auto/burst weapon



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with THAC of +2/+4/+8 and is tech IV.

Only on the charts- Tangler costs 2,000.

GW Rules p. 105- Taser Costs 1,200.

Page 23- Whip, stun costs 1,000 and is tech V. Stunning lasts for 10 rounds minus one round for every point of victim's constituion over 10 (minimum of 1 rd). Page 23- Wrapper costs 1,300.

Page 15- Grenade, Energy is tech V.

Only on charts- Grenade, Fire Foam is tech IV.

#### **Defenses-**

The section on defenses in TotA (pages 24-27) and power armored rules in Gamma Knights can be partially replaced with the armor vs. weapon charts from my web site. The charts on my website are expanded and playtested versions based on TotA and include provisions for duralloy's energy reflection/ absorption properties.

Powered Armor (non-powered weights)-

Energized- 800kg. Inertia- 200kg. Plastic (tech IV)- 9kg. Alloy- 75kg. Assault- 500kg. Attack- 450kg. Battle-300kg. Plate- 100kg. Protection- 120kg. Scout 250kg. Sheath (tech IV)- 10kg. Powered sheath (tech V)- 12kg. Tandem VII- \*\*several tons?

#### **Common Armor-**

Helmet, Heavy Plastic, is tech IV. Helmet, Kevlar, is tech V. Helmet, Leather is tech II. Helmet, Plastic, is tech IV.

#### Convalescences-

Pages 28-32-Accelera Dose is Tech V. Antiradiation Serum costs 1,500 and is tech V. Cur-in Dose is Tech V. Fungicide is tech IV. Genetic Booster is tech V. Substitute the rules from GW 3rd Edition here. Herbicide is tech IV. Insect Repellant is tech IV. Interra Shot is tech IV. Mind Booster costs 1,600 and is tech V. Pain Reducer is tech IV. Suggestion Change Drug is tech IV. Sustenance Dose is tech V.

#### Vehicles/Live Metal-

Pages 33-62-There are also rules for vehicular/robotic combat rounds on my web site, based upon Traveller rules, where each combatant gets several turns in which to fire missiles or grenades, fire energy or projectile weapons (to attack and shoot down incoming missiles), and reprogram their onboard systems or use mutations in the combat.

Aside from a few questionable tech level assignments (tech IV robots- increase all to tech V), I left these sections relatively unchanged.

#### Misc. Equipment-

Page 65- Alembic is tech V. Page 66- Bang Balls are tech IV. Page 66- Body Builder is tech IV. Page 66- Broadcast Power Charger is tech VI. Page 67- CampGaurd is tech IV. Page 69- Ferrofoam, both kinds, is tech V. Normal cost is 1,750, Forced Oxygen costs 2,750. Page 71- Garment Autopress is tech V. Page 71- Generator, EMP costs 3000, and is tech IV. Page 71- Generator, MCII, costs 20,000, is tech V and complexity 25. Page 72- Generator, Solar, costs 15,000 and is tech V. Page 72- Glasses, Gnome, are tech IV. Page 73- Glue, Super, costs 100 and is tech IV. Page 73- Gravitic Accelerator costs 1,420. Page 75- Lipoderacinator, Personal, costs 1,650. Page 76- Listening Device is tech IV. Page 77- Napalm II costs 400 and is tech IV. Page 77- Neutralizing Pigments are tech V. Page 78- Radiation Suit Repair Kit is tech IV. Page 78- Receiver and Bugs are tech IV. Page 78- Saw, Power Tree, costs 900 and is tech IV. Page 79- Sensors are tech V. Artificial Energy costs 2,000, Bio-energy costs 2,000 and Eye-movement costs 7.500. Page 80- Sound Filters cost 250/500 or 2500 depending on functions. Most advanced version gives +10 to user's stealth. Page 80- Smoke Generator is tech IV. Page 81- Tentman costs 1,000 and is tech VI. Page 81- Thought Cap costs 90,000. Page 81- Thruster, Pocket is tech IV. Pages 82-83- Torches are tech V. Atomic costs 5,500, Laser costs 2,500, and Sonic costs 1,500. Page 83- Trashman costs 4,000. Page 84- Triangulator is tech IV. Page 85- Universal Card is tech V. Page 85- Universal Cooker is tech V. Page 86- Weather Predictor costs 1,000. Page 86- Wedge, Electric, is tech V.