OASIS

CyberDetective

COMIC PART 6 OF 6

PART 6/6

Welcome to the World of Oasis where its inhabitants are kept safe by the technology they surround themselves with as they try to rebuild their lives. In this episode is the conclusion to this Arch of Oasis Cyber detective.

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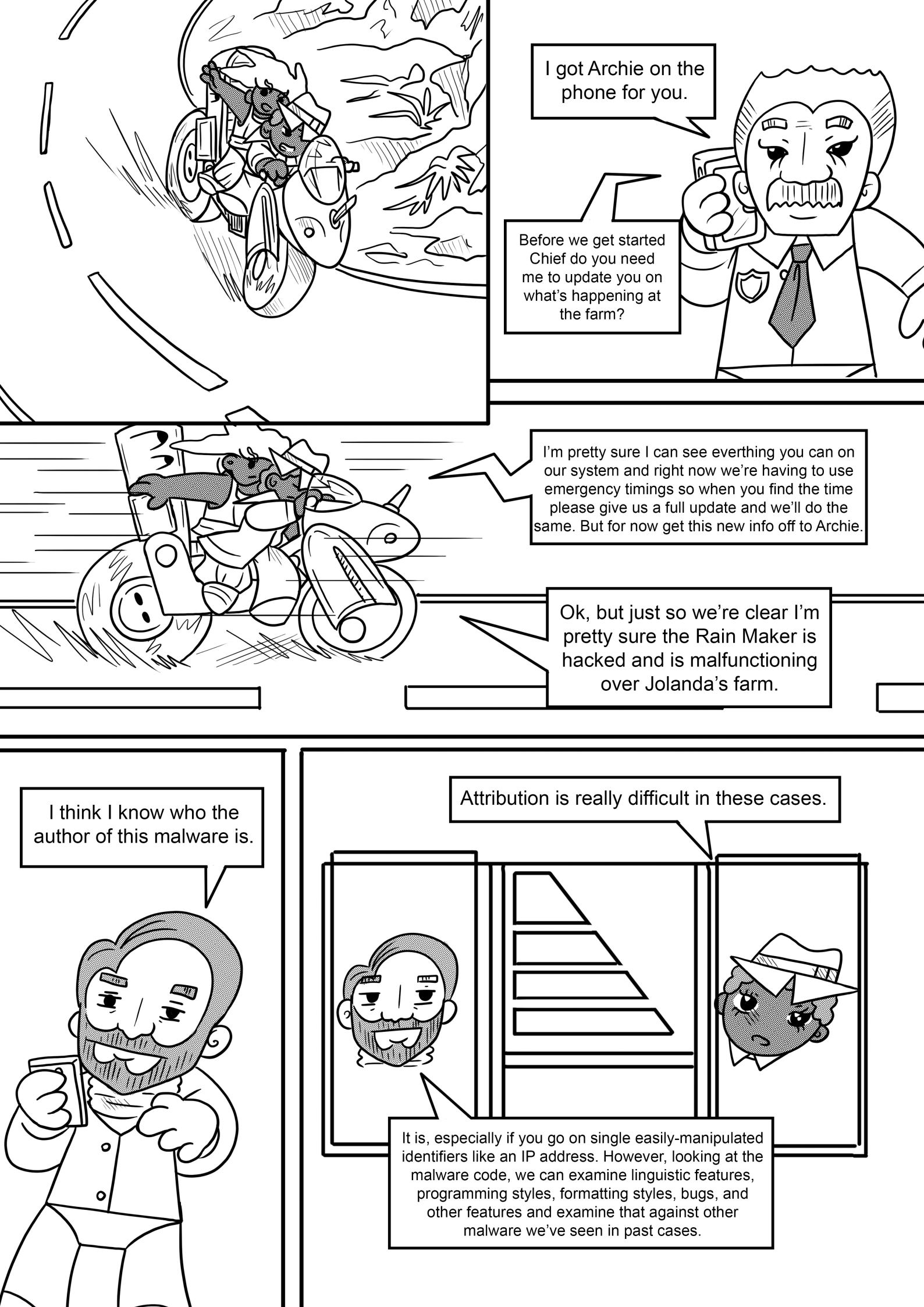
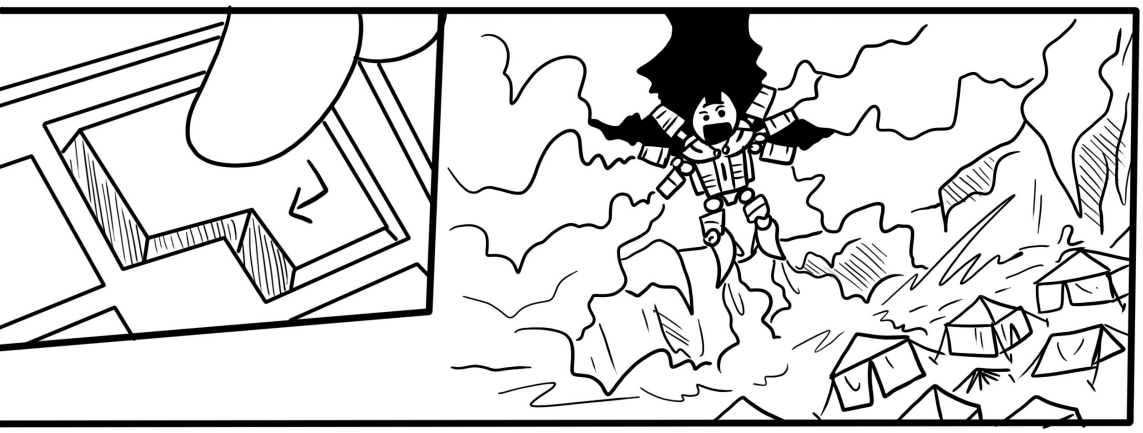

I got Archie on the phone for you.
Before we get started Chief do you need me to update you on what's happening at the farm?
I'm pretty sure I can see everthing you can on our system and right now we're having to use emergency timings so when you find the time please give us a full update and we'll do the same. But for now get this new info off to Archie.
Ok, but just so we're clear I'm pretty sure the Rain Maker is hacked and is malfunctioning over Jolanda's farm.
I think I know who the author of this malware is.
Attribution is really difficult in these cases.
It is, especially if you go on single easily-manipulated identifiers like an IP address. However, looking at the malware code, we can examine linguistic features, programming styles, formatting styles, bugs, and other features and examine that against other malware we've seen in past cases.

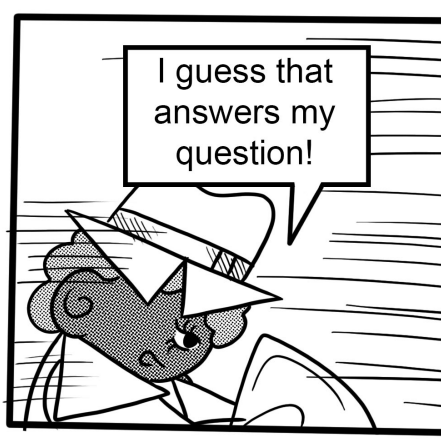
So you think this matches something?
Yes, I've seen this code before. Judging by the code I'm reading here, I think it's Jasmine Lines
Ok, so who is that?
She's an ex-vice president. Because of the personal work I've done with her I was able to individually identify her signatures. Even though clearly she wore a disguise, Bart confirmed it was she whom he saw not long ago.
Ok this is useful Archie. Is there anything else?
NO
Ok put the Chief back on.
So with that information we can now get more out of the meta data. But we're also aware our GPS system has suffered some spoofing attacks.
Ah that's why we haven't been able to track the Rain Maker.
It would seem so.
SCREECH!

Chief I'm gonna need you to send all the back up you can and have them start at the farm!
What was that attack thing? What's happened to the Rain Maker?
A GNSS spoofing attack is where the attacker locks on to his target's GPS signal, and spends some time emitting true GPS codes at a lower power than the target's devices.
They slowly raise the power of the signal so that the satellite seamlessly locks onto their GPS signal over the targets. They then simply change the data output so that it appears as if the target has moved, when they haven't, and the satellite now tracks their signal instead.
I'm gonna need you to go that direction for about five minutes to look for anyone hurt at the farm. I need to follow the Rain Maker and make sure it doesn't cause more
But-
I'm sorry but there are no buts at this stage. You'll see some of my colleagues, and when you do, tell them everything and give them this.
OPD
VROOOM!

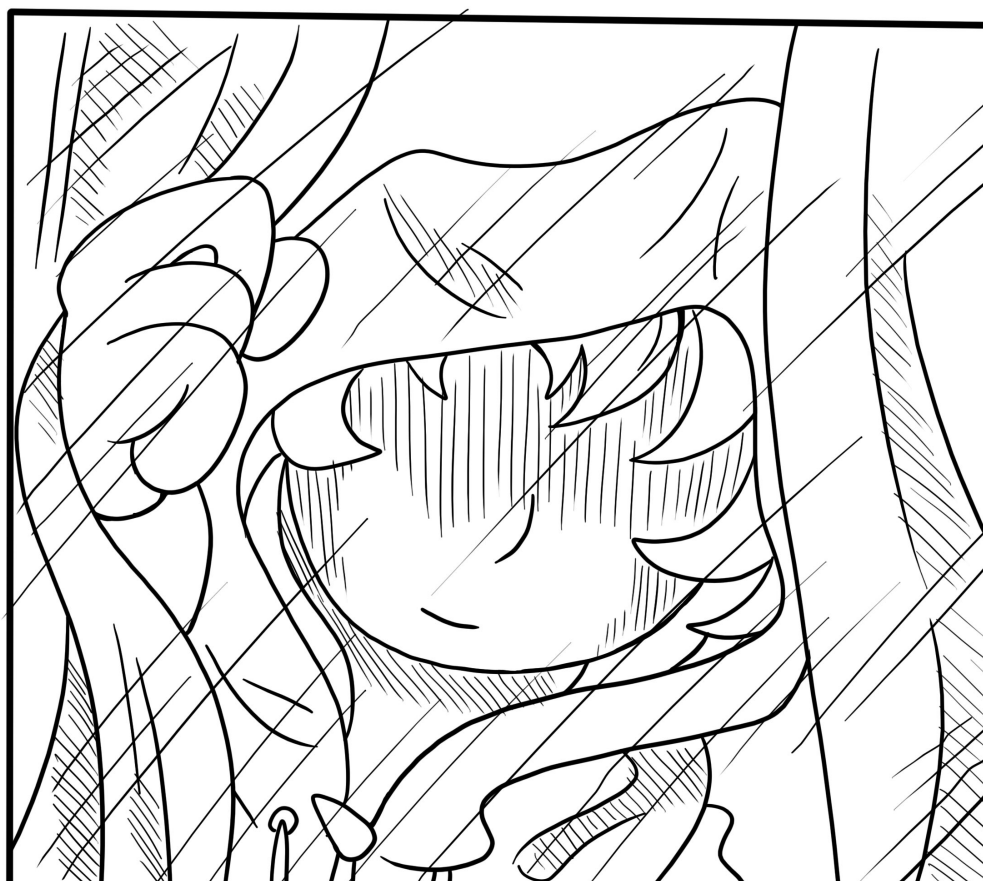
If this was a GNSS spoofing attack that means that when they checked with Takashi, if the Rain Maker was fine - him being able to ok it probably fell through the system due to alarm fatigue.
And these drones have been an integral part of this the whole time. Depending on how they've been compromised many of the codes and passwords needed to get access to the Rain Maker could have literally been recorded over someone's shoulder, taken from pictures of touch screens or even from finger smudges on a screen.
Thank you for visiting OASIS
BOOM

It's stopped. I wonder if it was programmed to attack this spot also.




I guess that answers my question!

It's working!



Chief, surely me being able to give you the exact coordinates of the Rain Maker is useful at this point?
It definitely will be but we have Ms. Information currently working on whatever was done to the Rain Maker. We've been tracking your location this whole time.
Agh! It's just flown off again!
What kind of damage has it left?

None actually...

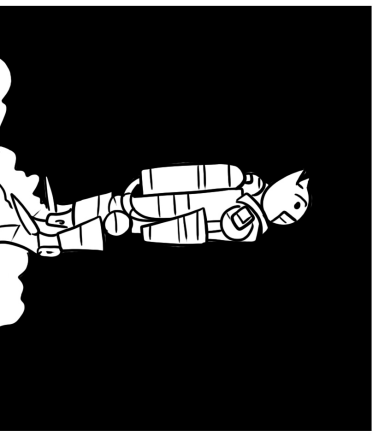
What is it detective?

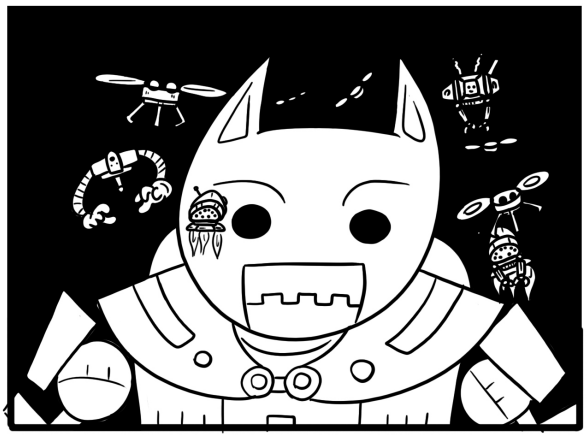
I think the attack on the farm was the last one. I think all of this was about them taking the Rain Maker over soil we don't normally visit.

That's a very optimistic way of looking at things but- Ah Ms. Information is saying she's made a breakthrough!

We've just had our first substantial breach since we commenced!

Don't worry I'm on it!





I'm assuming we have someone communicating our actions within close proximity. I'm gonna take some communication precautions.

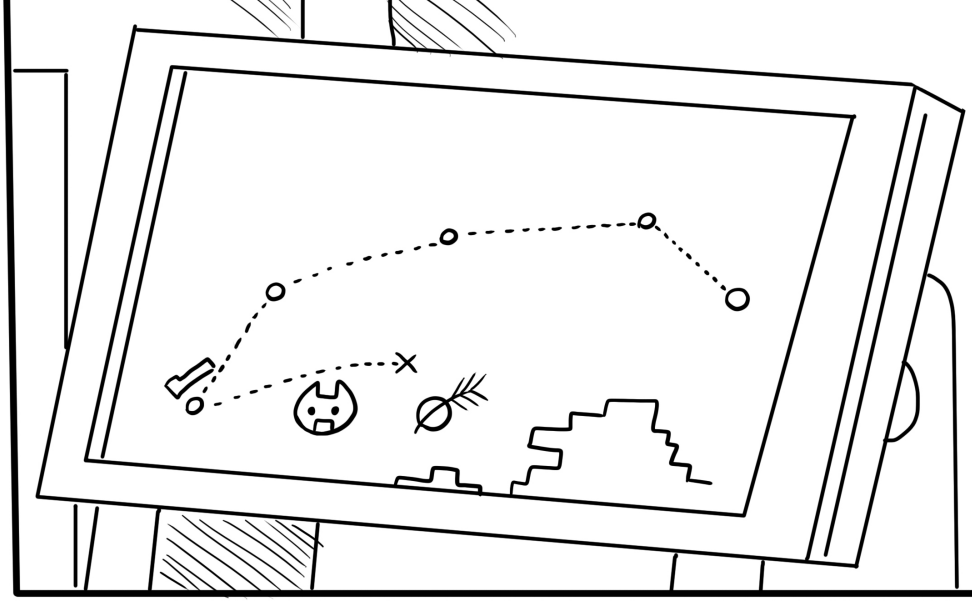
You do your thing!

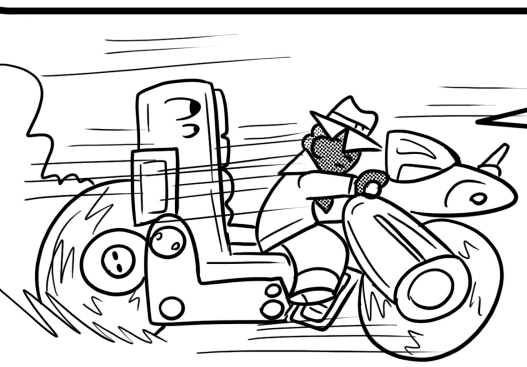
Ms. Information says you need to either jam the drones or get rid of them in some wa----
Chief you're breaking up!
Jake!
Jake!
NO SIGNAL
JAAAKEEE!!
The jamming to signal ratio from here is ridiculous. Even if I snipe, this has a very low chance!

First time lucky!
For this to work I need to get closer!
Oh it's coming back...
They've taken control again!
We still have our commands going from our servers to the distributed control system of hacked drones, let's put more energy into evasion and keep this consensus algorithm alive.
I have a feeling that those drones are using a type of signal that can only be used at short range. Maybe they're even using chirps, using some kind of digitised audio format to override the Rain Maker's programming.

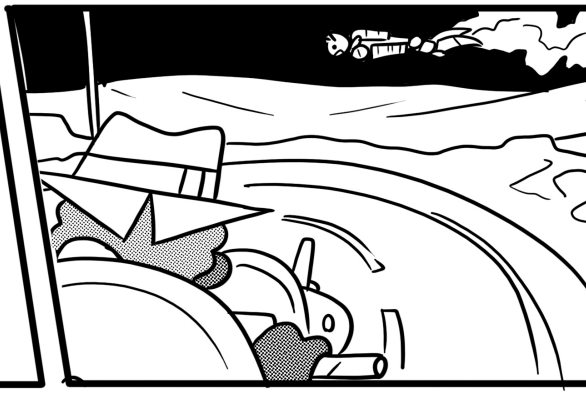
It's getting harder and harder to keep a grip!

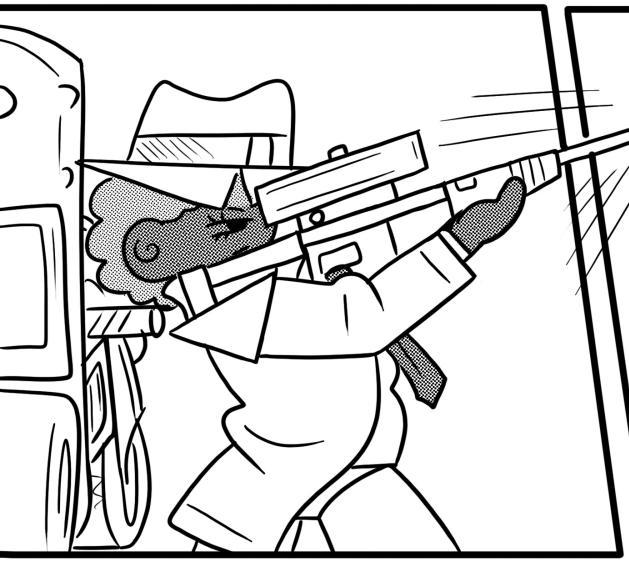
Just stay at your post and do what we trained for!

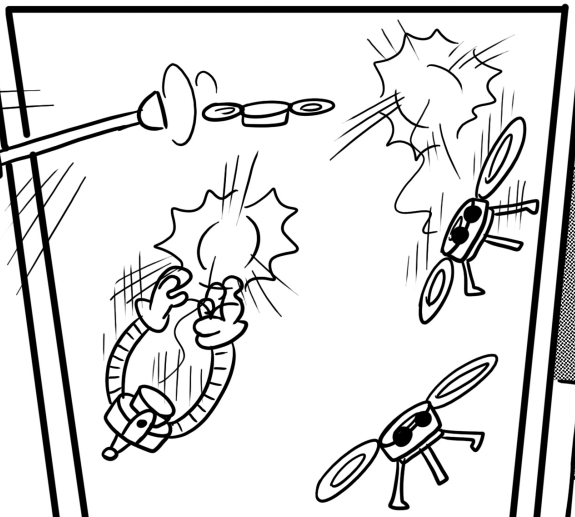




That thing doesn't look stable. I'm gonna have to start using my luck here...





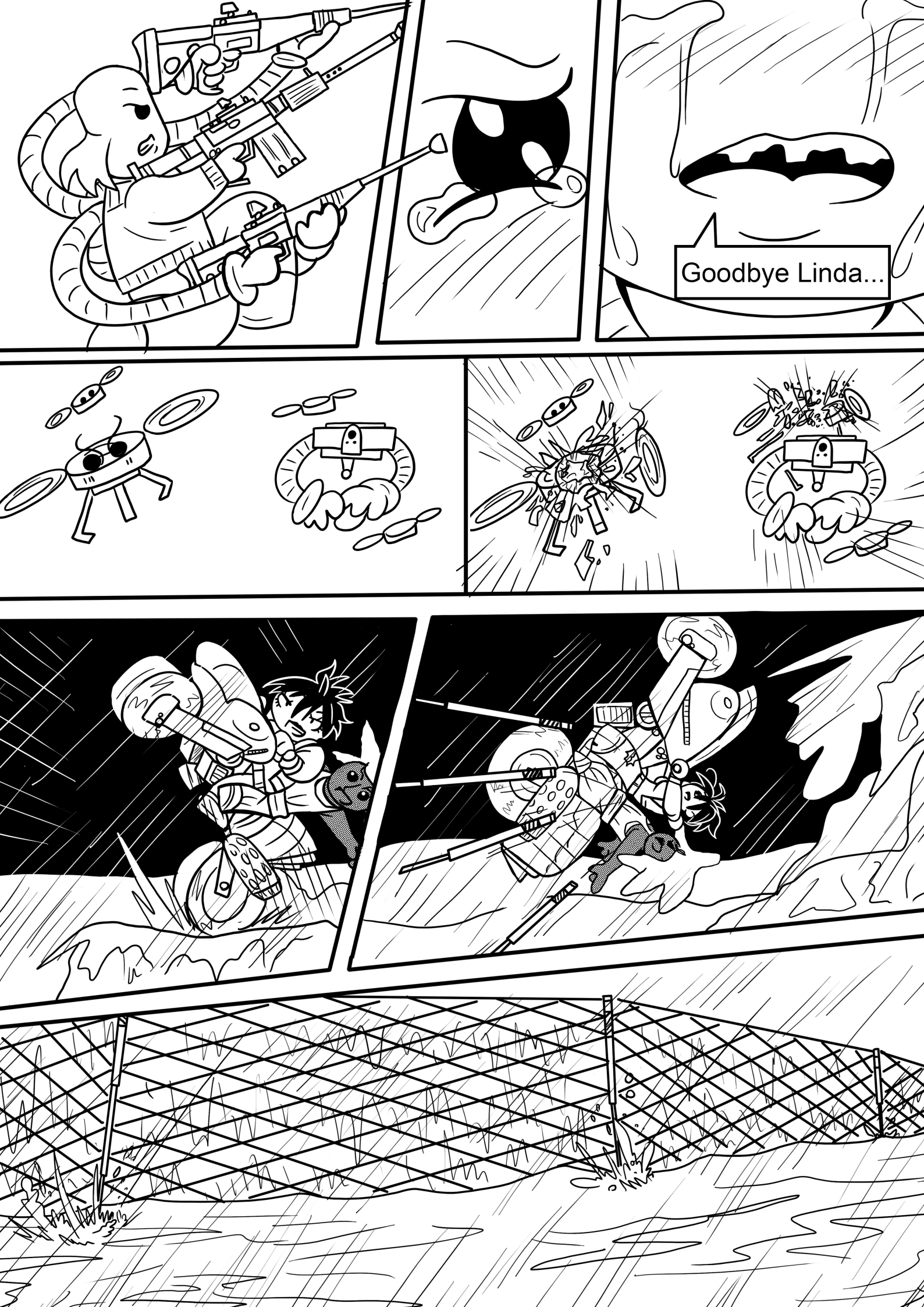


We're losing control! The Rain Maker is getting two conflicting streams of information. If it carries on like this the whole thing will malfunction!

There's no way I'm giving up at this stage! Find some more drones to hack and send them out there!

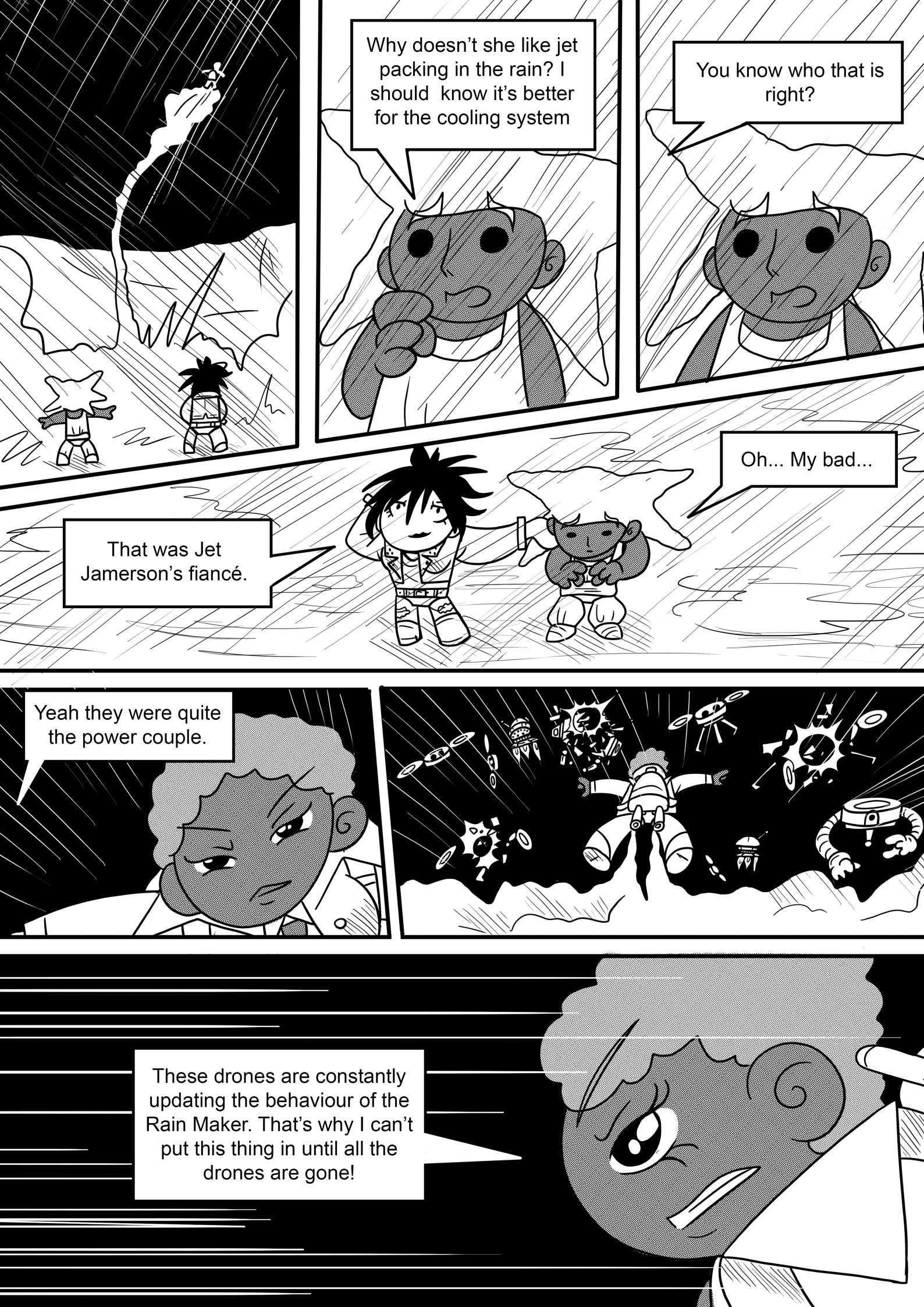
I'm going now cos it ain't even safe here!
Do what you want!
What's going on!? This can't solve the problem in time but I don't have any other ideas!!

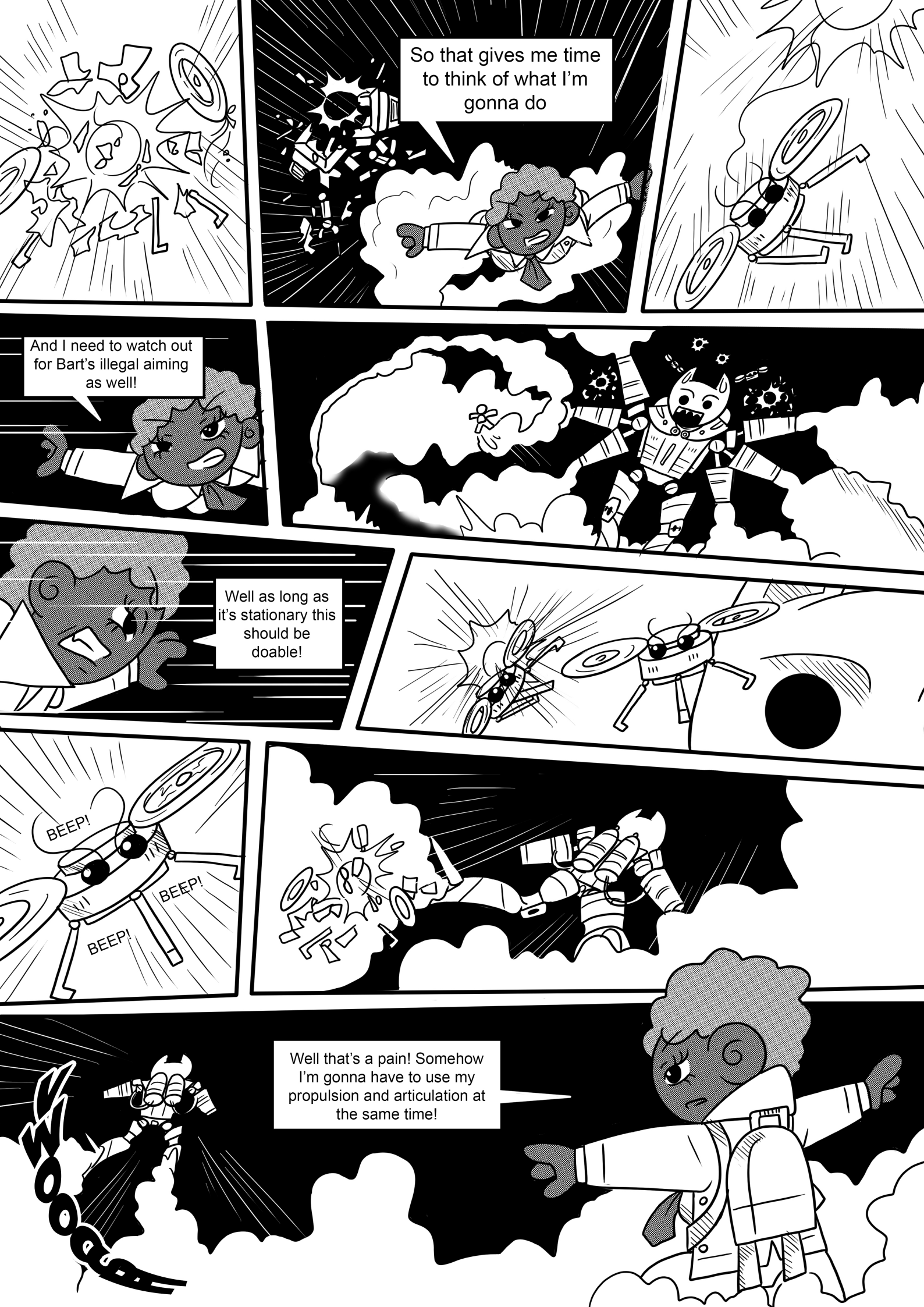
Thought you could use some help!
Boy, I never thought I'd be this happy to see you!
Well I could have used you an hour ago when all the drones in town started malfunctioning!
Not so legal frequency shooters.
Well you look like you're ready to take out some yourself. And we'll talk about that thing when we're done...
Melissa has something for you from Ms. Information that might help you end all this. She has to go secure the perimeter first.

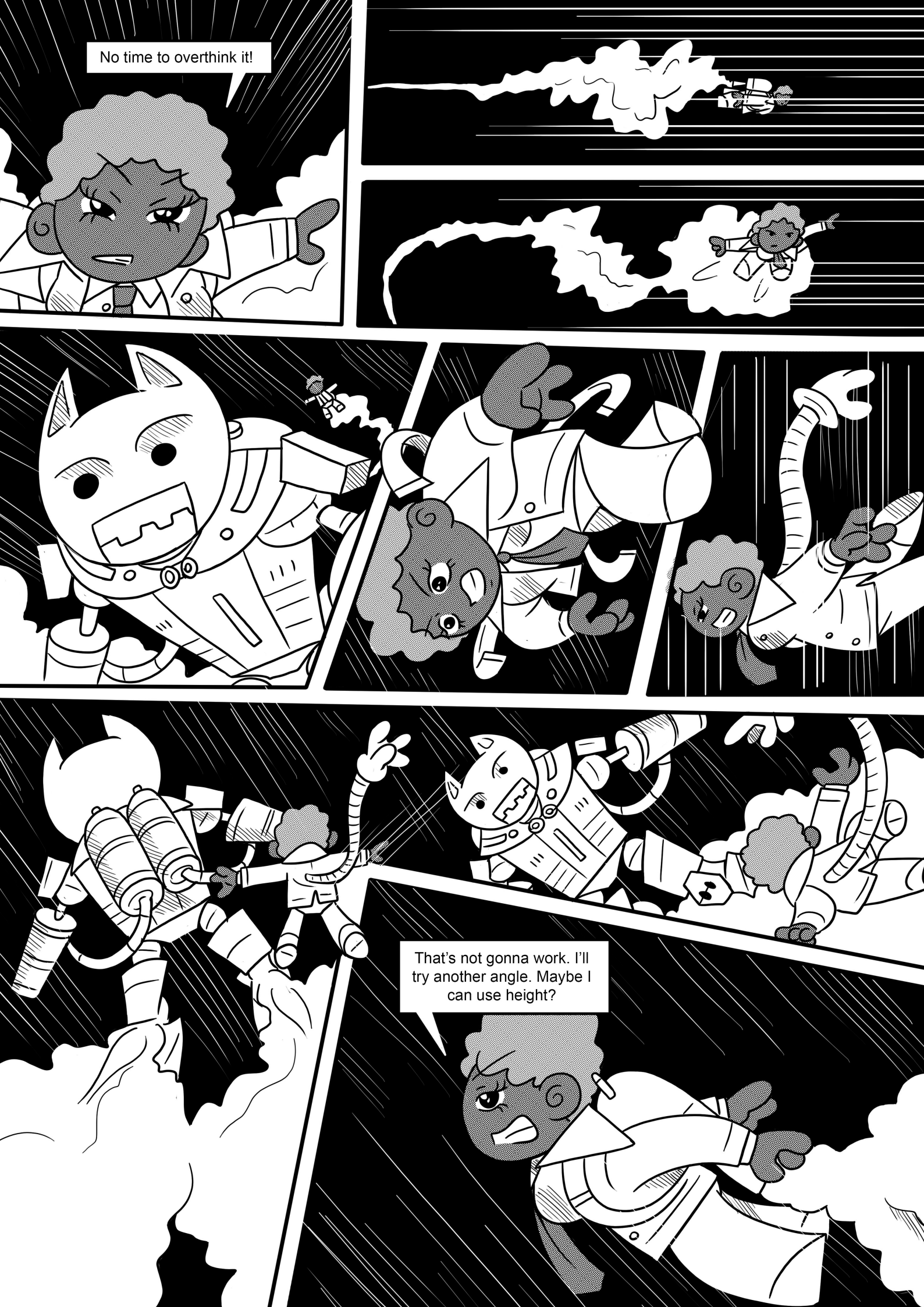

Goodbye Linda...

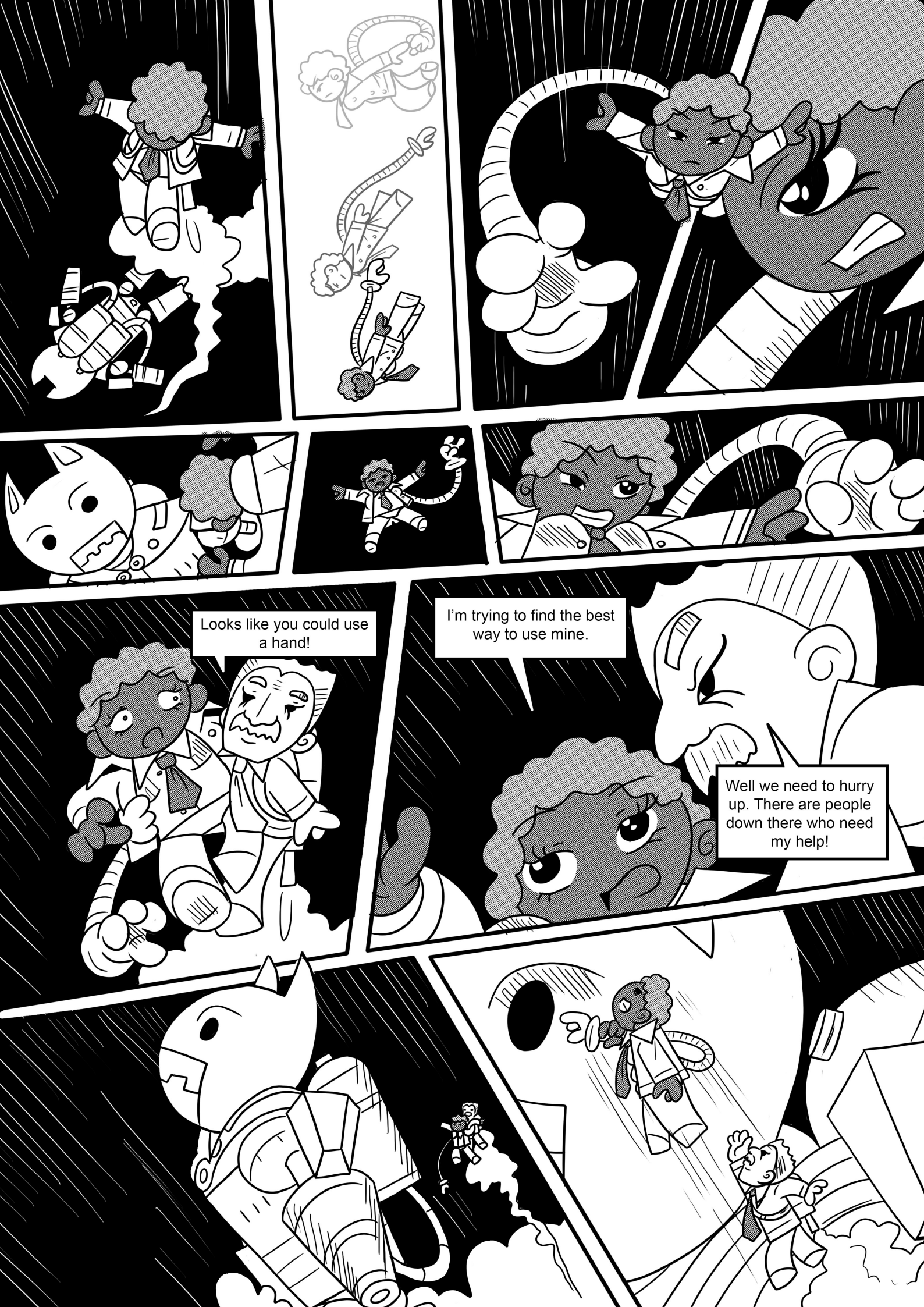
Oasis water damage contained!
But what about the other side!?
My duty is to protect Oasis, her people and data. Just outside Oasis is none of my concern.
I knew you were good!
I think they've cottoned on to where the fire is coming from! Let's split up!

This is what Ms. Information wanted to give you. This will override all the hardware and software issues that have been compromised if it's attached to the system physically.
This whole thing is the result of a botnet attack so if we attack this before all the drones are taken out there is a chance they could nullify our take over. We don't know how long it will take you to attach it so you best get going.
Plug in. Click HERE!
Oh I have a message from Archie-
-Do you know how much I believe in you?
OK
And he gave me this power pack which means I have enough energy to control the Rain Maker while being mobile. If you can flush its circuits I can call it back.
So how exactly do I attach it?
Jet pack obviously!
I hate jet packing in the rain...


Why doesn't she like jet packing in the rain? I should know it's better for the cooling system
You know who that is right?
Oh... My bad...
That was Jet Jamerson's fiancé.
Yeah they were quite the power couple.
These drones are constantly updating the behaviour of the Rain Maker. That's why I can't put this thing in until all the drones are gone!

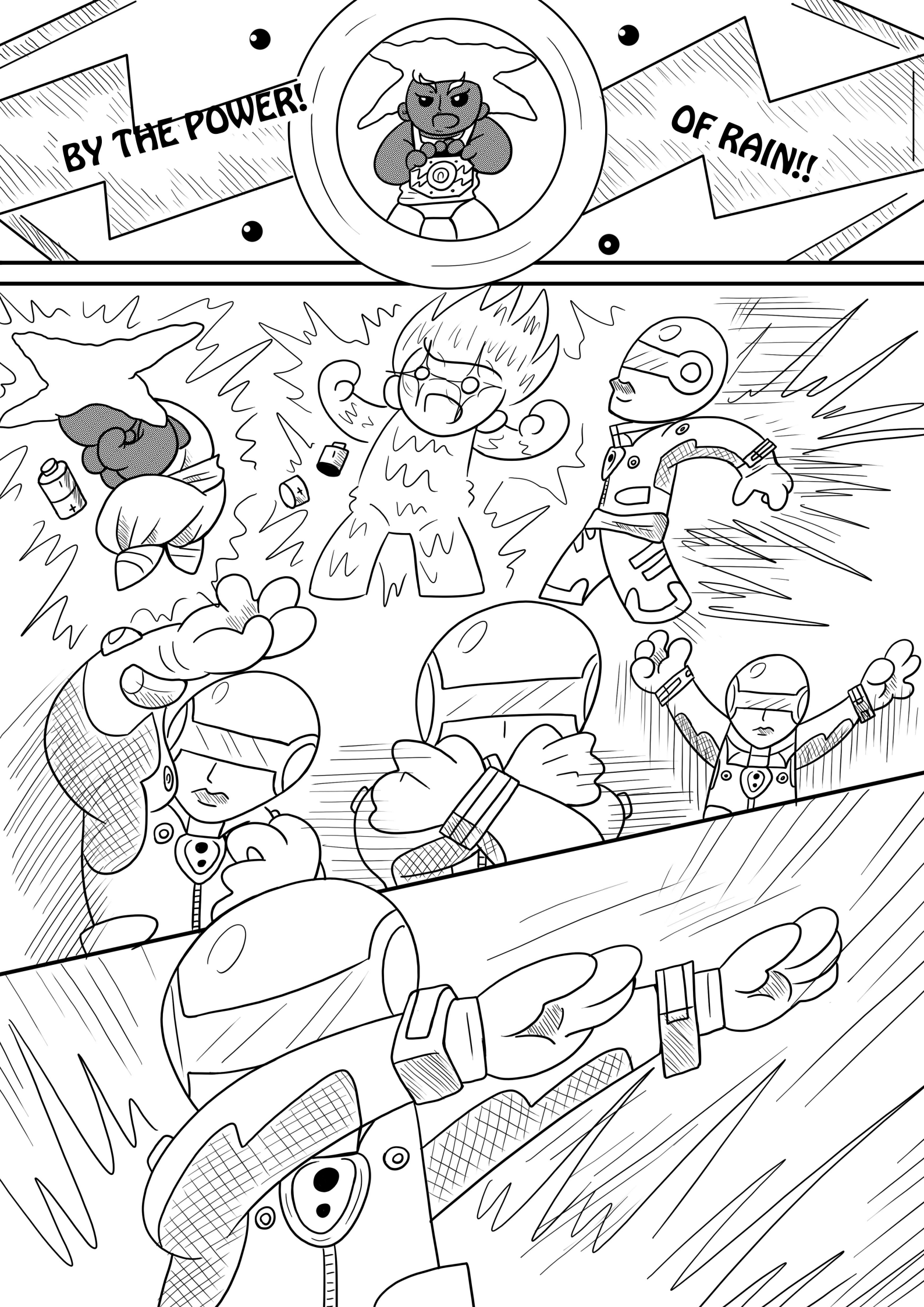

So that gives me time to think of what I'm gonna do
And I need to watch out for Bart's illegal aiming as well!
Well as long as it's stationary this should be doable!
BEEP!
BEEP!
BEEP!
Well that's a pain! Somehow I'm gonna have to use my propulsion and articulation at the same time!


No time to overthink it!
That's not gonna work. I'll try another angle. Maybe I can use height?


Looks like you could use a hand!
I'm trying to find the best way to use mine.
Well we need to hurry up. There are people down there who need my help!

There is nowhere to insert this thing up here! They're meant to design these things intuitively! Where can I stick this!?
OH!!
Oasis Detectives-
Are you still talking to yourself?
Is there any more honourable position?
FOUND IT!!

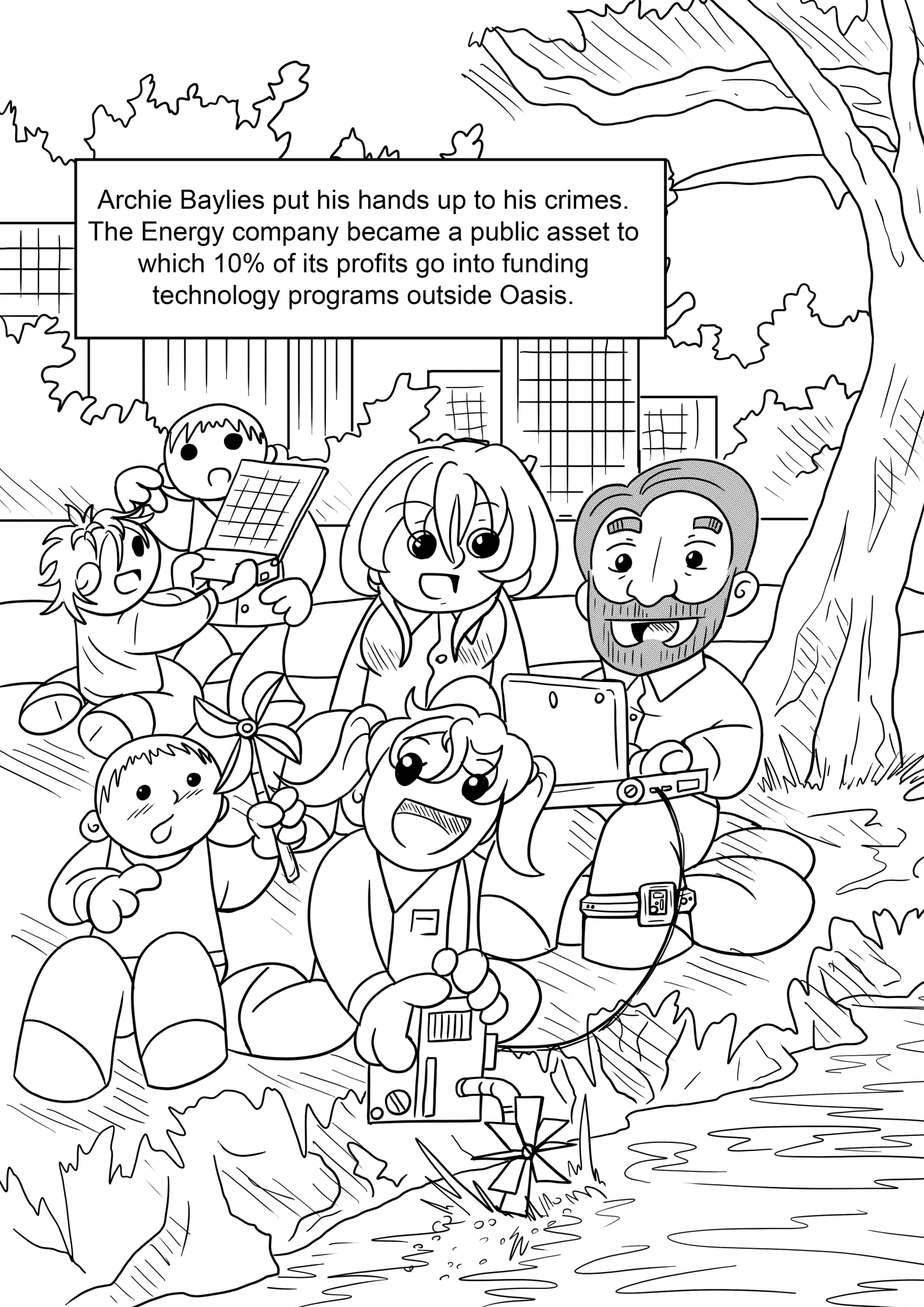
It's on you now Takashi!
C'mon you can do it!
How long was I out?
Not that long
Today and this Metal face...
Ok this is getting dangerous! If it explodes when it lands we're all in trouble!

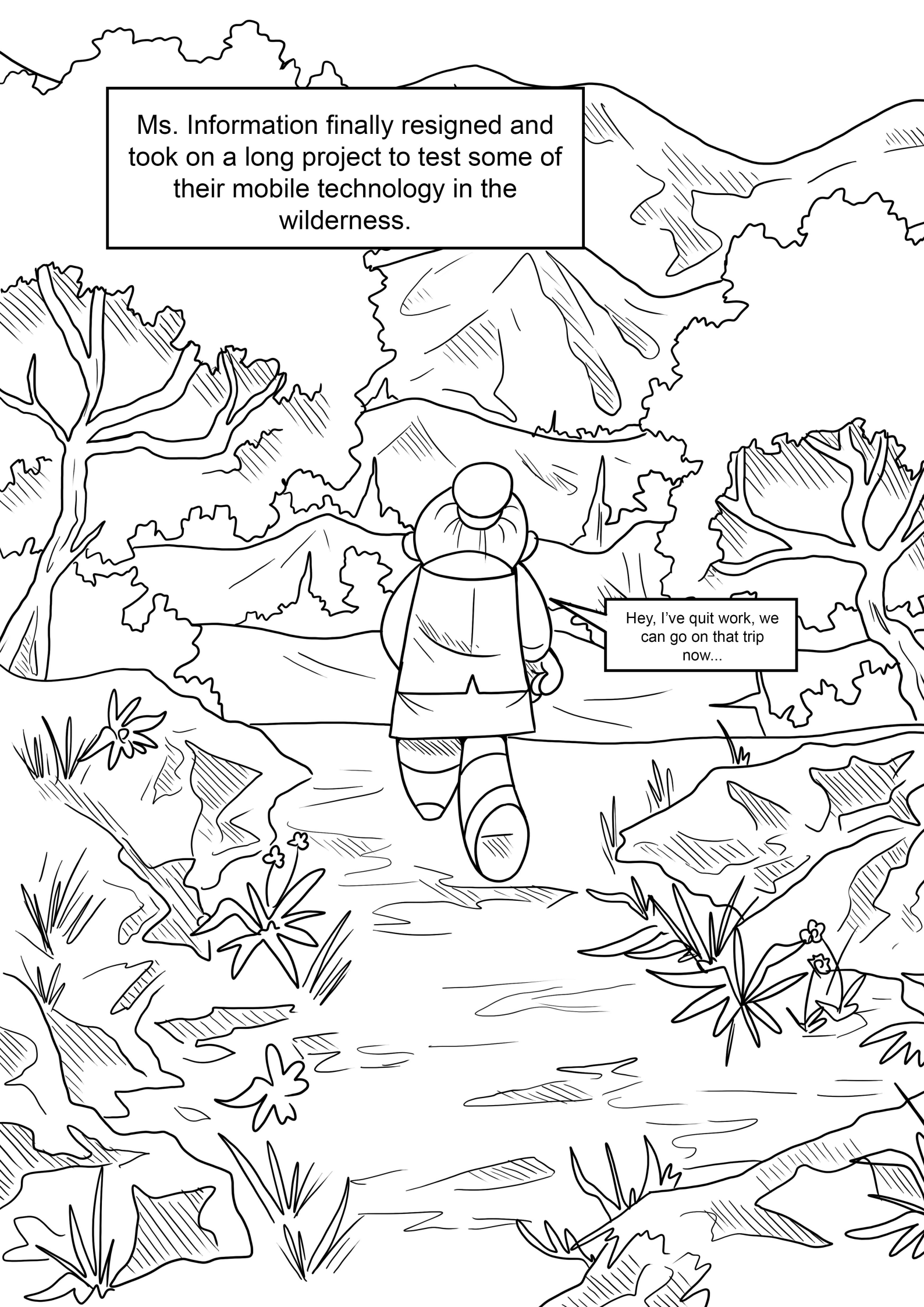

BY THE POWER!
OF RAIN!!

YAAAAYYY!!!
YEAH!
WOOOHOOO!!!
HURRAY!

Takashi Miyagi now flies around to many locations outside of Oasis being entertaining, providing Rain and making friends.

It turns out that spreading the rain over a widespread area kick-started a natural ecological cycle causing spontaneous rain in many places.


Archie Baylies put his hands up to his crimes. The Energy company became a public asset to which 10% of its profits go into funding technology programs outside Oasis.


Ms. Information finally resigned and took on a long project to test some of their mobile technology in the wilderness.
Hey, I've quit work, we can go on that trip now...

Detective Malone took over Ms. Information's post as head of the Data Centre, from here she plans on keeping Oasis and beyond as safe as she possibly can.
And Bart...Bart got a Dog.
Linda she has your eyes.

Well Jake I'm happy you finally got that office job....
...I'm sure he will make a great Chief...see ya Jake
THE END