

Congratulations, you've made it so far.
The next page is the preface, see you there.

Preface

As part of my master's thesis, I started researching the Swissmill tower. However, I stumbled upon a website which is called swissmill.org. This research organization was founded by a being called Ipun. We exchanged numbers after I sent them an email. And this is how our conversation began.

The following is a selection of my conversation with Ipun, who have an interesting characteristic. Over time, we became friends, and I learned what motivated them to start this organization. Ipun never revealed their pronouns or species. I asked Ipun if I can publish our conversation for my master's thesis. They said yes.

Bing Liu

Hello.

Hello.

my name is Bing.

My name is Ipun.

Nice to meet you, Ipun.

Thank you.

To whom it may concern,

I accidentally found your website. I like that you call yourself optimists, I am an optimist myself. Therefore, I am kindly asking for the password of your website.

Best Regards

Hotm Roa

Dear Hotm Roa,

Thank you for your message.

We are kindly providing you the password of the website
swissmill.org: hello

Have fun and enjoy the visit.

Ipun

First email exchange with Ipun

Bing, who are you?

I am an architect, to be more precise, I
will soon become one. Who are you, Ipun?

I don't know.

You don't know or you don't want to tell
me.

I don't know.

ETH professors call a student's master thesis project a
joke. What happened?

In the fall semester 2022, some architecture Students
at ETH Zurich are working on ideas to improve the
mysterious Swissmill tower.

The Swissmill Tower is a grain elevator close to
Limmatplatz in Zürich. It was built near the Migros
Tower, replacing a former grain elevator after the city
voted in favor of building a larger silo. The original
mill (Kornhaus) was built in 1843 on the same site.
The site required piles built to a depth of 45 metres
in the bedrock of the Limmat Valley. The increase of
its height to 118 metres was done by slipforming. This
required as many as 60 construction workers processing
concrete in three shifts around the clock. The
construction took place in two stages. The first phase
was completed in early July 2015. The second began in
September 2015, and end in April 2016. Mill operations
continued during construction. The works were carried
out by Implenia.

An architecture student presents a controversial
project: The Halo of Zurich. Over the tower, this
student plans to construct a rectangular platform. The
platform is connected to an elevator and staircase on
the exterior. The existing functions are not changed or
disturbed. The platform is open to the public 24 hours a
day. Under the platform, there are light tubes. As soon
as people step on the platform, they will be activated.
This idea presents a tricky situation, as the professors
pointed out. The platform will not work as planned.
Swissmill tower was destined to be there even before
Swissmill existed. Light tube as Halo above the
Swissmill tower would be one of the biggest mistakes in
human history. The student doesn't appear to understand
what he's doing. He doesn't understand the potentials of
an architect. There are simply too many flaws in this
brilliant idea.

"Halo is depending on human will." [swissmill.org](https://www.swissmill.org), 2022

Ipun, I am doing my master's thesis, which is why I found your website, Swissmill.org. I can tell you more about my research if you are interested. I need your help.

If I say I'm not interested, will you stop?

Dear Ipun,

Thank you for your reply, I enjoyed your website. I have to confess, I lied about my name, my real name is Bing Liu.

I noticed that you wrote about my project in the Article section. I am honored that you took the time to write this article about my project. There is one thing I would like to declare. The professors' criticisms are fair and well articulated, in my opinion. As we discussed last week, we came to the conclusion that we can change the city with a very simple gesture, to make people's lives better, and to brighten our future. All of us believe this project has great potential to become a solid university master's project.

I found your comment a bit exaggerated. Your article was full of contradictions, which I liked. Please let me know what you think of my project. If you are interested, I can also share my thought process with you. What are the flaws of the project? What makes this idea so brilliant? Feel free to use the render I showed at the presentation on your website.

ps: I didn't know you were at the discussion, maybe we can meet for a Coffee.

Best Regards
Bing Liu

An email to Ipun.

Ipun, the Swissmill Tower is the subject of my research. Creating a narrative and an architectural intervention is the task.

How can I help you?

Inside the tower, there is a lot of mystery, and nobody knows exactly what's going on. Based on this, you can create a fictional story that is grounded in reality. Swissmill.org seems to be directly related to the Swissmill company, but I'm not sure.

It is not directly related.

Could you please give me some insight into your work?

You sound tense, try to take a bath and relax.

Dear Bing Liu,

Thank you for the message.

The following is the response of a Watcher from the Article-center since I did not write this article myself:

The reason why the project will fail is because it is not a real Halo, it's just an imitation.

The reason why the idea is brilliant is because it is almost aligned with the Vasco's Gate, but the Halo has to be 24% bigger.

I hope her answers can help you with your questions

Ipun

ps: About the coffee, we can meet online.

An email from Ipun.

Ipun, I don't know if you are aware,
but you are being rude. And I don't
understand the point of that.

Why are you doing this task, Bing?

I don't know, this is what every
architecture student does here. You
choose a professor, and every semester
there is a task to be solved.

I understand, but why are you doing this
task?

Besides finding it super interesting, I
also want to graduate, work, earn money,
and feed myself.

Why?

Ipun, I think these topics we are
discussing right now are irrelevant to
the project. Now let's talk about the
website.

No, I'm afraid I can not help you.

Why?

I know of a peaceful island
Afar in the silent sea,
Where around the rocky highland
Pure billows are foaming free.
In the harbour no ship is resting,
No sailor is on the strand;
And thousands of white birds nesting,
Are the guards of the lonely land.

Ever pondering pious questions,
They labour right faithfully,
For blessed are their digestions,
And flowing like poetry.
For the birds are all 'Philosophen,'
To the principal precept inclined;
If the body be properly open,
Then all will go well with the mind.

And the children pursue more enlightened
What their fathers in silence begun.
To a mountain it rises, and whitened
By rays of a tropical sun.
In the rosiest light these sages
Look down at the future and say,
In the course of historical ages
We shall fill up the ocean some day.

And the recognition of merit
Is theirs in these later days,
For in Suabian land we hear it
When the Böblinger Rapsbauer says:
'God bless you - guano sea-gull,
Of the far away coast of the west:
In spite of my countryman Hegel,
The stuff which you make is the best.'

Ipun, I hope you are doing well. I have been thinking about our conversation the last few days, and I want to apologize for my bad behaviour. I will answer all your questions if you give me another chance. I think they are all important and strongly related to my project.

Why are you doing this task?

What motivated me to choose this task? It is because I am interested in something between fiction and reality. Having an open mind is important to explore different possibilities, even if they seem impossible at first. Generally, I think the tower itself is very interesting, it is so different from everything else in the city.

Bing, did you take a bath and relax? I told you to last time.

Why does it matter?

Do it.

The cylindrical pressure hull in dived condition is subjected to longitudinal compressive stress. This longitudinal stress is of half the magnitude of the hoop stress or the circumferential stress.

The following expression for the longitudinal stress on the pressure hull is used for obtaining the required thickness of the hull and the scantlings of the stiffeners required to prevent failure of the pressure hull by buckling.

The longitudinal stress therefore is a function of the external pressure, the radius of the pressure resistant hull, and the thickness of the hull plate. Now, what role does a submarine designer play with this equation? The radius of the pressure hull is an input from the client, as in, the radius of the submarine is specified along with a range, and this would mean that the pressure hull radius is a fixed entity for the entire structural design.

The hydrostatic pressure at the collapse depth is considered as the external pressure in this calculation. Since the collapse depth is also specified in the contract, it remains fixed. The remaining variable in thickness of pressure hull. Now, the maximum longitudinal compressive stress on the pressure hull is determined by the yield strength of the material used. What a designer calculates for a particular material, is the minimum thickness that is required to keep the stress within limits.

Ipun, I took a bath and relaxed, can we go on?

Do you like the name?

Which name? Swissmill? It seems very logical since it is a mill in Switzerland, but I am not sure if I like it.

In the name, there are two double letters, s and l.

It is beautiful indeed, but why is that important?

It's not.

TOUCHDOWN AND LIFT-OFF AREA (TLOF).

a. TLOF Location. The TLOF of a GA heliport may be at ground level, on an elevated structure, or at rooftop level. The TLOF is normally centered within the final approach and takeoff area (FATO).

b. TLOF Size. (1) Ground-level TLOF. For ground-level heliports, the minimum TLOF dimension (length, width, or diameter) should be 1.0 times the rotor diameter (RD) of the design helicopter. At PPR facilities, if only a portion of the TLOF is paved, the minimum length and width of this paved portion should be not less than two times the maximum dimension (length or width) of the undercarriage of the design helicopter. The center of this paved portion of the TLOF should be the center of the TLOF. To avoid the risk of catching a skid, and the potential for a dynamic rollover, there should be no difference in elevation between the paved and unpaved portions of the TLOF.

(2) Elevated General Aviation Heliport. For a rooftop or otherwise elevated heliport, the minimum TLOF dimension should be equivalent to 1.0 RD of the design helicopter. If the FATO outside the TLOF is non-load-bearing, the minimum width, length or diameter should be increased to 1-times the overall length of the design helicopter. See paragraph 202c(1).

(3) Elevated PPR Heliports. At PPR rooftop or otherwise elevated facilities the TLOF can be a minimum of two times the maximum dimension (length or width) of the undercarriage of the design helicopter, if a solid surrounding area the size of the rotor diameter of the design helicopter is able to support 20 lbs/ft² live load (98 kg/m²), and the height of the TLOF surface above the surrounding area is no greater than 30 inches (76cm). The center of this load bearing portion of the TLOF should be the center of the FATO/TLOF. If there is a difference in elevation between the surrounding area and the TLOF, the perimeter of the TLOF should be marked in accordance with paragraph 209a.

Ipun, I have been thinking, what are you doing at work, you didn't tell me anything yet.

I like soft things.

What do you mean by soft things? Are you saying that flour is soft? Because Swissmill is grinding hard grain into soft flour?

No.

Ipun, I am asking you to be more precise, please.

The tower is soft.

No, it is not. It is made of concrete, what are you talking about? Nothing you say makes sense.

Concrete is hard, tower is soft.

I understand.

“Round sky and square earth” is a basic concept in the tradition of ancient Chinese geography. It appeared at least two thousand years ago and has influenced Chinese geography significantly - both for good and for ill. As an academic subject in China, the history of geographical thought is new. It has become “the center of geographical history” This transformation began in the 1980s. Earlier studies of the history of ancient Chinese geography paid more attention to the history of exploration, cartography, and geographers themselves. It neglected serious study of the concept and influence of the idea of round sky and square earth. This paper discusses this concept, its influence on ancient Chinese cartography, and its significance in early geographical literature, specifically the Geographical Society Yu Gong (Tribute of Yu).

Evolution of Round Sky and Square Earth Concept
Geographical thought, gradually evolving as part of human development, relates to the environment, scientific thought, and human productivity. As we all know, China's main territory consists of a landmass of continental proportions. The original centers of Chinese civilization are such places as the Yellow River and the Yangzi River. Large mountains, big rivers, and other natural features presented obstacles to ancient people's activity, and consisted of a closed and differentiated geographical hierarchy. To survive, the people had to use the attributes of their natural environment in accordance with their basic perceptions and productivity requirements. Their perceptions gradually accumulated and became summarized in ideas or concepts. “Round sky and square earth” is such a concept. In the Zhou Dynasty (1100-770 BC), it was said that one must “raise one's head to see astronomy (heaven), hang one's head to watch the earth (geography)”. Because astronomy was connected with the four seasons, determining periods of sowing, harvest, and storage, much attention was paid to it. Accordingly, astronomy and geography have been closely connected from the very beginning of Chinese history.

I pun, for sure you have entered the
Swissmill Tower, right? Do you know what
is going on in there?

Yes.

And, Could you tell me?

No.

Why?

Because you are not my friend.

Der Swissmill-Turm als Reizthema, dessen
öffentliche Schlagkraft in Zürich über sämtliche
Geschmacksgrenzen hinweg für ein Meinungsgewitter sorgt,
für eine Schlacht der Zitate. Wie haben uns umgehört und
ein paar eingesammelt.

Benedikt Loderer, Architekt, Publizist und Kritiker,
Biel: «Dieser Turm ist eine klare Demonstration und tut
Zürich sogar wie der Prime Tower von Gignon/Guyer. Ich
bin überrascht, wie viel Kraft er ausstrahlt in seiner
ganzen Schlankheit. Er erinnert an die Geschlechtertürme
in San Gimignano. Es ist einfach ein Silo, kein Wohn-
oder Geschäftsturm, dünn, und darum nicht so klobig
wie die meisten anderen Türme. Die Leute sind sich
solche Bauten einfach nicht mehr gewohnt. Oben beim
Konferenzraum waren früher die Fenster noch vergittert,
das wirkte noch besser, mittelalterlicher. Jetzt wo die
Fenster bloss noch rausgestanzte Löcher sind, geht
das Burgartige verloren. Müsste man den Swissmill-
Turm begrünen? Für was? Nehmt es in Kauf, dass das Ding
so dort steht. Begrünen wollen es nur diejenigen Leute,
die das Gebäude so nicht aushalten.»

Roman Hollenstein, NZZ-Redaktor für Architektur, Zürich:
«Die Hochhäuser in Zürich stechen im Vergleich mit
anderen Grossstädten nicht wahnsinnig heraus. Ich
finde den Swissmill-Turm in seiner Schlankheit und
Radikalität gerade darum gelungen. In der Schweiz wird
- neben Japan - am qualitativsten mit Beton gebaut.
In diesem Sinne ist der Turm auch eine Würdigung an
den Baustoff Beton. Man muss deshalb aus meiner Sicht
auch nicht über fehlende Fenster diskutieren, denn
jeder, der zu Hause eine Küche hat, weiss, dass Mehl
und Getreide am besten lichtgeschützt gelagert werden.
Zudem begrüsse ich es, dass an der Mühle im städtischen
Industriequartier festgehalten wird. Es sind so viele
Zeugen der Industriearchitektur verschwunden, dass mir
ein sichtbares und baukünstlerisch gelungenes
neues Zeichen richtig erscheint. Und dies nicht in einem
Hinterhof, sondern mittels eines charakteristischen Baus.

Ochsenbein, Tobias. "Ein übler Brocken." NZZ, 19 Apr. 2016.

Ipun, how can we become friends? I mean
real friends. I do not want to use you
for my project.

Hello Bing.

Hello Ipun.

Hello Bing.

Hahaha.

Hahaha.

Intentionally Left Blank

Ipun, can you tell me more about yourself? I will start first, I am human, and I will become an architect soon.

Hello Bing. My friend.

I enjoy what I am doing, even though it is tough sometimes.

I want to be floating one day.

Sometimes, I don't see a purpose in anything I do. Maybe that is also how things are nowadays.

My toes become itchy.

It is such a pain sitting in front of the computer all day. You can not imagine what a robot I have become. I can think, I can laugh, I can dance. But I am not myself anymore.

Bluebirds...They are hiding in the sky.

Ipun, can you help me out of this situation? I am a very positive person, I think everything will be fine in the end.

My friend, Bing, you are my friend.

A police car stops across the street. TWO PATROLMEN get out and roust the JUNKIE from his doorway.

WIZARD

(continuing)

Look, a person does a certain thing and that's all there is to it. It becomes what he is. Why fight it? What do you know? How long you been a hack, a couple months? You're like a peg and you get dropped into a slot and you got to squirm and wiggle around a while until you fit in.

TRAVIS

(pause)

That's just about the dumbest thing I ever heard, Wizard.

WIZARD

What do you expect, Bertrand Russell? I've been a cabbie all my life, what do I know?

(a beat)

I don't even know what you're talking about.

TRAVIS

Neither do I, I guess.

WIZARD

You fit in. It's lonely, it's rough at first. But you fit in. You got no choice.

WIZARD

Yeah. Sorry, Wizard.

WIZARD

Don't worry, Killer. You'll be all right.

(a beat)

I seen enough to know.

TRAVIS

Thanks.

WIZARD gives TRAVIS a short wave implying, "Chin up, old boy," and walks around to the driver's side of his cab. WIZARD drives off, leaving the street to its natural inhabitants.

I pun, what if you climb up a mountain and don't want to descend again? However, it becomes cold at night. You either freeze happily on top or you are sad at the bottom. What would you do?

I would take a warm jacket.

Differential temperature changes with altitude can shed light on the relative importance of natural versus anthropogenic climatic change. There has been heightened interest in this subject recently due to the finding that high-elevation tropical glaciers have been retreating and that significant melting from even the highest alpine regions has occurred in some areas during the past 20 years or so, as recorded in ice core records, which do not reveal any similar period during previous centuries to millennia. In this paper we find evidence for appreciable differences in mean temperature changes with elevation during the last several decades of instrumental records. The signal appears to be more closely related to increases in daily minimum temperature than changes in the daily maximum. The changes in surface temperature vary spatially, with Europe (particularly western Europe), and parts of Asia displaying the strongest high altitude warming during the period of record. High-elevation climate records of long standing taken at a number of mountain tops throughout the world, but primarily in Europe, are available from a number of countries. In some cases, meteorological observations at these unique mountain sites have been discontinued for a variety of reasons, usually budgetary. It is hoped that the papers published in this special issue of Climatic Change can contribute to a reassessment of the value of continuing climate measurements at these mountain observatories by the appropriate entities, so that we may continue to have access to climate information from the 'tops of the world'.

I pun, you know in a thousand years, our existence will become irrelevant, right? Time will wash away any impact we might have on the earth.

And Mars?

Mars as well, I mean, what is our purpose in long term?

I am hungry, talk to you later.

I got to the point of feeling a sort of secret abnormal, despicable enjoyment in returning home to my corner on some disgusting Petersburg night, acutely conscious that that day I had committed a loathsome action again, that what was done could never be undone, and secretly, inwardly gnawing, gnawing at myself for it, tearing and consuming myself till at last the bitterness turned into a sort of shameful accursed sweetness, and at last—into positive real enjoyment! Yes, into enjoyment, into enjoyment! I insist upon that. I have spoken of this because I keep wanting to know for a fact whether other people feel such enjoyment? I will explain; the enjoyment was just from the too intense consciousness of one's own degradation; it was from feeling oneself that one had reached the last barrier, that it was horrible, but that it could not be otherwise; that there was no escape for you; that you never could become a different man; that even if time and faith were still left you to change into something different you would most likely not wish to change; or if you did wish to, even then you would do nothing; because perhaps in reality there was nothing for you to change into.

And the worst of it was, and the root of it all, that it was all in accord with the normal fundamental laws of over-acute consciousness, and with the inertia that was the direct result of those laws, and that consequently one was not only unable to change but could do absolutely nothing. Thus it would follow, as the result of acute consciousness, that one is not to blame in being a scoundrel; as though that were any consolation to the scoundrel once he has come to realise that he actually is a scoundrel. But enough. ... Ech, I have talked a lot of nonsense, but what have I explained? How is enjoyment in this to be explained? But I will explain it. I will get to the bottom of it! That is why I have taken up my pen. ...

Ipun, Ipun, Ipun.

What?

Nothing.

Ipun, if I see a beautiful flower in the field, I would like to pick it up.

Which colour is the flower?

At the same time, I would kill the flower. Thinking about it again, I shouldn't feel bad because it will wither and die anyway.

Which colour?

I don't know, Ipun, it was just a thought experiment.

Dewdrops are their tears.

OPTION 1
No action.

OPTION 2
Monitor populations using aerial photograph to detect changes in population size.

OPTION 3 (PREFERRED OPTION)
Monitor populations using aerial photography. Obtain land-owner support and approval for additional monitoring/research on albatross populations and to implement measures to protect albatross habitat in the Chatham Islands.
This is the preferred option within the term of this plan. In addition to aerial monitoring, research into the population dynamics of the albatrosses in the Chatham Islands is essential to improve understanding of the risks faced by these species and to determine methods to reduce and mitigate these risks. Albatrosses face risks away from their breeding colonies in the Chatham Islands in the form of fisheries by catch and marine pollution in their feeding grounds. There may be opportunities for research at Chatham Islands breeding colonies to provide information important to understanding of these threats on albatross and developing measures to reduce their impact.

OPTION 4 (PREFERRED LONG-TERM OPTION)
Investigate methods to improve productivity at breeding colonies and possible methods to establish additional breeding colonies of albatross in the Chatham Islands. This option is supplementary to Option 3 as a preferred option for the long-term recovery of albatross. Protection and monitoring measures as set out in Option 3 may not be sufficient on their own to ensure the long-term survival of albatross populations in the Chatham Islands. A major threat currently faced by albatross populations there is habitat degradation.

Ipun, what is the opposite of opaque? It is obviously transparent, right?

Opaque? Haha.

What?

Funny word.

Art. 667

1 Das Eigentum an Grund und Boden erstreckt sich nach oben und unten auf den Luftraum und das Erdreich, soweit für die Ausübung des Eigentums ein Interesse besteht.

2 Es umfasst unter Vorbehalt der gesetzlichen Schranken alle Bauten und Pflanzen sowie die Quellen.

Ipun, I calculated the Swissmill tower's CO2 emissions. The neutralization process takes 50 trees for 10000 years. That's a very long time. Ipun, what can we do?

Bing, you are a nice person.

In vertikaler Sicht erstreckt sich das Grundeigentum in den Himmel und in das Erdreich, soweit für die Ausübung ein Interesse besteht (Art. 667 ZGB). Diese Lösung ist im europäischen Raum originell. Das Grundeigentum umfasst demnach die Luftsäule über dem Grundstück nicht bis zu den Sternen oder in den Himmel, und auch den Boden nicht bis in die sagenhafte Unterwelt. Dem eidgenössischen Recht lag die Idee des räumlich unbegrenzten Eigentums anders als in europäischen Rechtsordnungen nie als Ausgangslage zugrunde, obwohl vor Einführung des Zivilgesetzbuches die meisten kantonalen Gesetzgebungen von diesem Verständnis ausgegangen waren.

Das Gesetz versteht das Grundstück damit nicht als blosse Fläche, sondern als einen nach oben und unten begrenzten dreidimensionalen Körper. Die Seitengrenzen dieses Körpers sind fest, die obere und die untere Grenze sind variabel, resp. individuell bestimmbar. Sowohl nach oben wie nach unten bildet das Ausübungsinteresse die Grundstücksgrenze. Privateigentum kann demnach nicht weiter nach unten reichen als durch das Ausübungsinteresse bestimmt.

Diese Grenzziehungsfunktion des Ausübungsinteresses kommt aber auch dann zum Tragen, wenn an der Erdoberfläche Land liegt, an welchem nach Art. 644 Abs. 2 ZGB «kein Privateigentum» besteht (z.B. öffentliche Gewässer, Felsen, Schutthalden), und das deshalb unter kantonomer Hoheit steht (so BGE 119 Ia 398).

I pun, what if climate change destroys our planet? I have the feeling we need to change.

Who are we? And this is our planet?

We are human, I guess?

Then we will die.

I don't want to die.

Me neither.

VLADIMIR: It's for the kidneys. (Silence. Estragon looks attentively at the tree.) What do we do now?

ESTRAGON: Wait.

VLADIMIR: Yes, but while waiting.

ESTRAGON: What about hanging ourselves?

VLADIMIR: Hmm. It'd give us an erection.

ESTRAGON: (highly excited). An erection!

VLADIMIR: With all that follows. Where it falls mandrakes grow. That's why they shriek when you pull them up. Did you not know that?

ESTRAGON: Let's hang ourselves immediately!

VLADIMIR: From a bough? (They go towards the tree.) I wouldn't trust it.

ESTRAGON: We can always try.

VLADIMIR: Go ahead.

ESTRAGON: After you.

VLADIMIR: No no, you first.

ESTRAGON: Why me?

VLADIMIR: You're lighter than I am.

ESTRAGON: Just so!

VLADIMIR: I don't understand.

ESTRAGON: Use your intelligence, can't you?

Vladimir uses his intelligence.

VLADIMIR: (finally). I remain in the dark.

ESTRAGON: This is how it is. (He reflects.) The bough... the bough...(Angrily.) Use your head, can't you?

VLADIMIR: You're my only hope.

ESTRAGON: (with effort). Gogo light-bough not break-Gogo dead. Didi heavy-bough break-Didi alone. Whereas-

VLADIMIR: I hadn't thought of that.

ESTRAGON: If it hangs you it'll hang anything.

VLADIMIR: But am I heavier than you?

ESTRAGON: So you tell me. I don't know. There's an even chance. Or nearly.

VLADIMIR: Well? What do we do?

ESTRAGON: Don't let's do anything. It's safer.

VLADIMIR: Let's wait and see what he says.

ESTRAGON: Who?

VLADIMIR: Godot.

ESTRAGON: Good idea.

Beckett, Samuel. Waiting For Godot. 1953.

Ipun, as we plant oil palm trees hektar by hektar, carbon emissions can be neutralized, but biodiversity will be lost. Every action we take will be compensated in some way.

It's fine.

Perhaps I just need to focus more on myself. Architects build houses. That's what I'm supposed to do. It's moral free riding, isn't it? I could have done better. In the end, what is moral?

Even if you try to hold in a ~~fart~~, it will still come out somehow. Eat less beans.

Nun ist all unser Wissen immer an das Bewußtsein gebunden. Auch das Ubw können wir nur dadurch kennenlernen, daß wir es bewußtmachen. Aber halt, wie ist das möglich? Was heißt: etwas bewußtmachen? Wie kann das vor sich gehen? Wir wissen schon, wo wir hiefür anzuknüpfen haben. Wir haben gesagt, das Bewußtsein ist die Oberfläche des seelischen Apparates, das heißt, wir haben es einem System als Funktion zugeschrieben, welches räumlich das erste von der Außenwelt her ist. Räumlich übrigens nicht nur im Sinne der Funktion, sondern diesmal auch im Sinne der anatomischen Zergliederung S. Jenseits des Lustprinzips.. Auch unser Forschen muß diese wahrnehmende Oberfläche zum Ausgang nehmen.

Von vornherein bw sind alle Wahrnehmungen, die von außen herankommen (Sinneswahrnehmungen), und von innen her, was wir Empfindungen und Gefühle heißen. Wie aber ist es mit jenen inneren Vorgängen, die wir etwa - roh und ungenau - als Denkvorgänge zusammenfassen können? Kommen sie, die sich irgendwo im Innern des Apparates als Verschiebungen seelischer Energie auf dem Wege zur Handlung vollziehen, an die Oberfläche, die das Bewußtsein entstehen läßt, heran? Oder kommt das Bewußtsein zu ihnen? Wir merken, das ist eine von den Schwierigkeiten, die sich ergeben, wenn man mit der räumlichen, topischen Vorstellung des seelischen Geschehens Ernst machen will. Beide Möglichkeiten sind gleich unausdenkbar, es müßte etwas Drittes der Fall sein.

Ipun, the world would be a better place if everyone cared a bit more about each other. Eventually, the world will recover, won't it?

Recover from what?

I am thinking, if everyone cares a bit more for themselves, isn't the effect the same? Do you think we have to be responsible for everything?

No, and no, and no.

And, of course, the ocean is important to all of us as a source of food. Fishing is world's greatest wild harvest. And if we do it right, it can continue... because there's a win-win at play. The healthier the marine habitat, the more fish there will be, and the more there will be to eat. Palau is a Pacific Island nation reliant on its coral reefs for fish and tourism. When fish stocks began to reduce, the Palauans responded by restricting fishing practices and banning fishing entirely from many areas. Protected fish populations soon became so healthy, they spilt over into the areas open to fishing. As a result, the "no fish" zones have increased the catch of the local fishermen, while at the same time allowing the reefs to recover. Imagine if we committed to a similar approach across the world. Estimates suggest that "no fish" zones over a third of our coastal seas would be sufficient to provide us with all the fish we will ever need. In international waters, the UN is attempting to create the biggest "no fish" zone of all. In one act, this would transform the open ocean from a place exhausted by subsidized fishing fleets to a wilderness that will help us all in our efforts to combat climate change. The world's greatest wildlife reserve. When it comes to the land, we must radically reduce the area we use to farm, so that we can make space for returning wilderness. And the quickest and most effective way to do that is for us to change our diet.

Large carnivores are rare in nature because it takes a lot of prey to support each of them. For every single predator on the Serengeti, there are more than 100 prey animals. Whenever we choose a piece of meat, we too are unwittingly demanding a huge expanse of space.

The planet can't support billions of large meat-eaters. There just isn't the space.

If we all had a largely plant-based diet, we would need only half the land we use at the moment. And because we would be then dedicated to raising plants, we could increase the yield of this land substantially.

David Attenborough: A Life on Our Planet. 2020.

Earth turning ratio

Every time you walk down the stairs, the earth turns a little faster. But as you walk upstairs, the earth slows down again.

You might want to say, I don't like that the earth is turning faster, it means also that I am ageing quicker.

However, you can't stay neutral to the turning ratio forever, you can also not always go upstairs.

In fact, the solution is quite simple, you don't need to do anything or be careful. Just bury yourself where you were born.

Ipun, if you have to tell me one word,
what is the first word that comes into
your mind?

Abandon.

a
abandon
abdomen
abide
ability
able
abnormal
aboard
abolish
abound
abrupt
absence
absent
absolute
absorb
abstract
absurd
abundance
abundant
abuse
academic
academy
accelerate
accent
accept
acceptance
access
accessory
accident
accidental
acclaim
accommodate
accommodation
accompany
acomplish
accord
accordance
accordingly
account
accountant

2021 kaoyan yingyu dagang cihui

Ipun, I think you often give very short answers. I am not saying that it is bad, I just think it is difficult to grasp your opinions.

Ok.

3.141592653589793238462643383279502884197169399375105820
97494459230781640628620899862803482534211706798214808651
32823066470938446095505822317253594081284811174502841027
01938521105559644622948954930381964428810975665933446128
47564823378678316527120190914564856692346034861045432664
82133936072602491412737245870066063155881748815209209628
29254091715364367892590360011330530548820466521384146951
94151160943305727036575959195309218611738193261179310511
85480744623799627495673518857527248912279381830119491298
33673362440656643086021394946395224737190702179860943702
77053921717629317675238467481846766940513200056812714526
35608277857713427577896091736371787214684409012249534301
46549585371050792279689258923542019956112129021960864034
41815981362977477130996051870721134999999837297804995105
97317328160963185950244594553469083026425223082533446850
35261931188171010003137838752886587533208381420617177669
14730359825349042875546873115956286388235378759375195778
18577805321712268066130019278766111959092164201989380952
57201065485863278865936153381827968230301952035301852968
99577362259941389124972177528347913151557485724245415069
59508295331168617278558890750983817546374649393192550604
00927701671139009848824012858361603563707660104710181942
95559619894676783744944825537977472684710404753464620804
66842590694912933136770289891521047521620569660240580381
50193511253382430035587640247496473263914199272604269922
79678235478163600934172164121992458631503028618297455570
67498385054945885869269956909272107975093029553211653449
87202755960236480665499119881834797753566369807426542527
86255181841757467289097777279380008164706001614524919217
32172147723501414419735685481613611573525521334757418494
68438523323907394143334547762416862518983569485562099219
22218427255025425688767179049460165346680498862723279178
60857843838279679766814541009538837863609506800642251252
05117392984896084128488626945604241965285022210661186306
74427862203919494504712371378696095636437191728746776465
75739624138908658326459958133904780275900994657640789512
69468398352595709825822620

First 2040 digits of pi.

Ipun, do you care what people think of you? I care because it shows respect for others. What do you think?

I care.

However, it seems that you don't. In a way, I like it. Somehow you are different. This is meant as a compliment.

I don't care about your compliments. This is meant as thank you.

Der 118 Meter hohe Swissmill-Silo kommt doch nicht so schnell: Zwei Rekurse werden den Bau um Monate verzögern.

Entgegen mehreren anderslautenden Medienberichten kann die Swissmill mit dem Bau ihres 118 Meter hohen Rekordsilos an der Limmat im Kreis 5 nicht wie geplant beginnen. Gegen die Baubewilligung sind zwei Rekurse eingegangen, wie Ulrich Erb, Kanzleichef des Baurekursgerichts des Kantons Zürich, auf Anfrage sagt. Die Bauherrin und die Stadt haben nun 30 Tage Zeit für eine Stellungnahme. «Um einen Rekurs zu behandeln, benötigt das Baurekursgericht durchschnittlich vier bis sieben Monate», sagt Erb. Bei einem der Rekurrenten dürfte es sich um die PSP Swiss Property handeln, die auf dem benachbarten Löwenbräu-Areal Kunstgalerien, Büros und luxuriöse Eigentumswohnungen realisiert. Sprecher Vasco Cecchini will dies weder bestätigen noch dementieren und sagt bloss: «Wir nehmen keine Stellung.» Überrascht und erfreut zeigt sich der Wipkinger Quartiersvereinspräsident Beni Weder: «Ich hätte nicht mehr mit Rekursen gerechnet, nachdem rund ein Dutzend Anwohner aus juristischen und finanziellen Gründen darauf verzichtet haben.» Es sei schön, dass sich nun doch jemand für die Erhaltung des «schönen Stadtbildes» wehre.

Am 13. Februar 2011 hatten die Stadtzürcher an der Urne mit 58 Prozent Ja gesagt zum umstrittenen Turm. Einzig die Wipkinger, denen der Silo die Sicht in Richtung Alpen versperren würde, lehnten das Projekt ab. Swissmill-CEO Romeo Sciaranetti wollte sich gestern zu den Rekursen nicht äussern.

Ipun, how do you solve misunderstandings
if you care what people think of you?

I don't.

Then it must be bad for you, right?

Why?

You will be perceived as someone other
than who you really are.

Who am really I?

No!

I'm not like you. I don't feel like you.

I'm Sister Alma,

I'm just here to help you.

I'm not Elisabet Vogler.

You are Elisabet Vogler.

I would like to have...

I love...

I haven't...

I've learnt quite a lot.

We'll see how long I hold out.

I'll never be like you, never.

I change all the time.

You can do what you like,
you won't get to me anyhow.

Saying doesn't help.

Cut a candle.

A kind of otherness.

Not now, no. No, no.

Warning and out of time.

Unforeseen.

When it was supposed to occur,
it didn't occur and so failure.

Yourself where you are.

But I should do it.

Not inwards, no...

Say collect and advise others...

The disconsolate, perhaps...

Take, yes... but what is closest...?

What's it called...? No, no, no...

Us, we, me, I...

Many words and such nausea...

Incomprehensible pain. The throw...

Try and listen to me now.

Repeat after me.

Nothing...

Nothing. No, nothing...

Nothing.

That's it. That's good.

That's how it should be.

Persona. Directed by Ingmar Bergman, 1966.

Ipun, what's the relation between
Swissmill and SMO?

What do you think?

I think their main dependence is financial. There is a possibility that Swissmill sponsors SMO's research. What would motivate them to do that? Is it for their reputation? It may improve their public image.

Naive.

.....

“ ”

.....

.....

.....

..... value too

young

—

.....

..... too simple sometimes naive!

.....

.....

.....

我刚才呢……我刚才我很想啊，就是我每一次碰到你们我就讲中国有一句话叫「闷声大发财」，我就什么话也不说。這是最好的！但是我想，我见到你们这样热情啊，一句话不说也不好。

——

.....

.....

.....

.....

naive!

.....

OKOK.....

I'm angry!

Jiang, Zeming. 2000. Partly censored.

I pun, it is undeniable that SMO needs money from Swissmill, but I do not believe it is for research purposes. SMO almost never publishes anything.

You are tired.

SMO was just founded this year, so maybe things are still in development.

Drink a coffee and sleep. Tiredness produces the best intuition.

There seems to be no connection between the papers SMO collected. Could all that be part of a bigger plan?

Good night.

As threats to biodiversity increase, conservation managers and donor organisations require increasingly sophisticated tools for decision-making; above all, ways to prioritize conservation actions that are efficient, accountable and transparent. At the global scale, the 'biodiversity hotspots' approach provides an example of the way that data-driven analyses can assist prioritization of conservation actions and significantly leverage new conservation dollars. At regional and local scales, progress towards a data-driven approach to conservation is most evident in site planning, which is now central to much conservation action across the world. While species are the predominant units of biodiversity, time and resources are not available to conserve species one-by-one. The conservation of important sites with associated habitats as protected areas or through other safeguard mechanisms is therefore generally seen as the best strategy to maintain biodiversity. This is implicit, for example, in the call from the 5th IUCN World Parks Congress to: 'Maximize representation and persistence of biodiversity in comprehensive protected area networks, focusing especially on threatened and under-protected ecosystems and species globally threatened with extinction'. Threat reduction and additional conservation actions are clearly also necessary; nevertheless, even for species that are wide-ranging across landscapes and seascapes, protected areas often serve as 'anchors' for conservation strategies involving ecological networks or corridors. Central to conservation planning is the question: 'How can the locations of protected areas be best identified?' This question is particularly pertinent within the field of marine planning given increasing recognition of the extent of deterioration in the marine environment and the potential importance of the role of marine protected areas (MPAs). The issue is also intertwined with social and political considerations, given that intense pressure is often placed on decision-makers to minimize perceived impacts of new protected areas on existing users.

Ipun, I think I know.

What do you know?

Wait, I just forgot what I wanted to
say...

Good answer.

Why?

Bad question.

We through the moments of our early dating
Our own epiphany were celebrating
Of our uniqueness in the scheme of things.
More brave, more light you were than sparrow's wings,
You stood beside the stairs in dizzy waiting,
And by degrees you led me where path brings
Us through wet lilac-bed of your curating
Through mirrored glass, to place of other things.
And in the night on me then thoughts so tender
Descended and the sanctuary's gated guilt
Then opened to me, and your form so slender
Was lit by glimmer's fall on naked tilt,
And I, awake now, joyful, "Bless you" uttered,
And felt myself so brave by blessing muttered,
And watched as gently from you sleep's breath spilt,
And, turquoise universe towards you stretching
From table to your eyelids lilac built
A bridge, and on them blueish light was etching
Its calm - your hand was warm upon the quilt.
And rivers quivered crystal's scintillation,
The mountains smouldered, glimmered briny's shine,
And on your palm moved crystal's oscillation,
Asleep, you occupied your regal station,
And - god almighty! - you, I knew, were mine.
You then awoke, and what a transformation!
The daily language used for everything,
Our human speech, was swept by inundation.
And "you" acquired a quite new connotation,
For when you spoke it signified a king.
And everything was changed, the elementary,
The humblest, things - yes, even bowl and jug -
Took station with us, guarding like a sentry,
The hardened water now new trenches dug.
And we were led I really don't know where,
A moment's mirage, then evaporation,
Whole cityscapes - miraculous affair -
And underfoot was minty sward's foundation,
And birds along the way flew in formation,
Against the flow the fish were swimming free,
Before our eyes the heavens were unfolding...
Behind us still our fate was grimly holding,
A razor-handed madman, seeking fee.

Tarkovsky, Arseny. First Dates. 1962.

Ipun, according to the website, SMO believes in complementary oppositions. The philosophy appeals to me, but I'm not sure exactly what SMO means. Can you help me?

If you kill two birds with one stone, is it luck or skill?

I guess both? It depends on the intention.

No, it's none of them.

How come? The stone is huge, and birds cannot move, so they cannot be missed?

No, because you don't kill birds.

Not only are they delectable, but jellyfish are a natural diet food. We have analyzed the chemical composition of RTU cannonball jellyfish products and compared with that of a commercial Malaysian *Rhopilema* product and a fresh cannonball jellyfish sample. Results of the chemical composition, pH and calculated caloric value per 100 g of serving are shown in Table 1. RTU jellyfish mainly consists of water and protein. They are low in calories, with no detectable crude fat and cholesterol, and trace amounts of sugar. The average moisture content of RTU samples is in a range of 94.1–95.6% . The tissue can bind a large quantity of water; yet maintain a non-watery, crunchy texture. Fresh unprocessed jellyfish are rich in minerals such as Na, Ca, K and Mg, but the processed product is depleted of salts after desalting in fresh water. Salt (NaCl) can be completely removed by soaking in clean water. The hardness of water used and the number of water changes during desalting could affect the residual amount of these elements. However, RTU jellyfish contain a significantly higher amount of aluminum than fresh jellyfish. Apparently, aluminum is contributed from the curing agent, alum and remains in the tissues in a bound form. Processing time, temperature and the amount of alum used affect the retention of aluminum in jellyfish tissues.

Except in relatively well-developed gonads during the reproductive cycle, jellyfish contain no visible lipid deposits report that the lipid content of whole jellyfish range from 0.0046 to 0.2% on a wet weight basis. In our study, crude fat content in RTU cannonball jellyfish is less than 0.01%. This may be due to the complete removal of mucus and gonads, which contain trace amounts of lipids. According to Hsieh & Rudloe (1994), the cholesterol content of whole fresh jellyfish calculated on a wet weight basis is less than 0.35 mg 100 g⁻¹ based on four species of jellyfish, thus, jellyfish can be declared as a fat-free and cholesterol-free food.

Hsieh, Yun-Hua, et al. Jellyfish as food. 2001.

Ipun, I was thinking again about the oppositions. As I recall, you mentioned that the Tower was soft. That's the opposition you're referring to, isn't it?

Not only that.

In our common sense, concrete is hard. Common sense is the basis of communication between people, so we can't deny it.

Bing, one question.

Yes?

What is common sense?

Day 1:

To begin your starter, mix 50g flour with 50g tepid water in a jar or, better still, a plastic container. Make sure all the flour is incorporated and leave, semi-uncovered, at room temperature for 24 hrs.

Day 2:

Mix 50g flour with 50g tepid water and stir into yesterday's mixture. Make sure all the flour is incorporated and leave, semi-uncovered, at room temperature for another 24 hrs.

Day 3:

Mix 50g flour with 50g tepid water and stir into yesterday's mixture. Make sure all the flour is incorporated and leave, semi-uncovered, at room temperature for another 24 hrs.

Day 4:

You should start to see some activity in the mixture now; there should be some bubbles forming and bubbling on top. Mix 50g flour with 50g tepid water and stir into yesterday's mixture. Make sure all the flour is incorporated and leave, semi-uncovered, at room temperature for another 24 hrs.

Day 5:

The mixture should be very active now and ready for making your levain. If it's not bubbling, continue to feed it on a daily basis until it does. When it's ready, it should smell like yogurt.

You now have a starter, which is the base to the bread. You'll need to look after it, but naming is optional! Keep it in the fridge (it will stay dormant) and 24 hrs before you want to use it, pour half of it off and feed it with 100g flour and 100g water. Leave it at room temperature and it should become active again. The longer the starter has been dormant, the more times it will need to be refreshed - the process of pouring off half the starter and replacing it with new flour and water - to reactivate. If your starter is ready to use, a teaspoonful of the mixture should float in warm water.

Desmazery, Barney. "White sourdough." bbcgoodfood.com,

When you talked about the tower, did you mean the tower itself? You may have used it as a metaphor for something else. I'm trying to understand what you're saying.

Very smart, yet so stupid.

And, am I right?

Yes and no.

I pun, you never disappoint me.

Question: Good. Let's talk about UFOs. Can you explain to me how our governments came into possession of UFO material to the point that they could start their own projects? Did it have anything to do with the "Roswell Incident?"

Answer: Yes, but that incident was not the first one. I am no historian, I am studying only your current behavior, so my knowledge about those events in your history is presumably not very extensive. I will try to explain to you what I know about those things which happened at that time. Let me think about it for a second. In the years 1946 to 1953 in your time scale, there were five cases where extraterrestrial ships crashed to the surface of the Earth. In that crash which you call the "Roswell Incident," there was not only one alien ship involved, but two that crashed after a collision in different parts of the land in the west—the one you call the USA. (You have to know that the ships of this particular species can remain levitating in the air for a particular period of time even though they are damaged; that accounts for the spatial difference {in their crash locations}.) These were indeed not the first crashes, but by that time the second and the third. Another ship had crashed in 1946, but it was destroyed beyond usability.

One thing first before the explanation: it certainly sounds ridiculous to you that such highly developed extraterrestrial ships simply crash, and that a relatively large number did so in a relatively short amount of time. The explanation for that is likewise more than strange, but it is correct. It does not lie in the ship's drive itself, but rather in the direction of the field to your planet. This species that we are discussing and it was always in this time period that this species used a disk-shaped craft used a propulsion system which ran according to the normal principle of fusion, to be sure, but one that at that time employed a more than unconventional method for field alignment. This method had various advantages but also disadvantages. The repelling field must of course lie in the absolute correct angle to the surface of the Earth.

I pun, according to my assumption, there is only one possible scenario. Since we are friends, I assume you have always answered my questions honestly.

Imagine, a logical lie evolves into the truth

Talking about the tower is not actually talking about it. Also, you didn't deny that you're talking about the tower.

The truth will become a lie.

You are referring to a tower, not the tower.

Maybe.

The NGOs also experienced spectacular growth in the recognition of their work in the 1970s and 80s, which in turn led to greater influence. The European governmental cooperation agencies saw them as the ideal agents for sensitizing public opinion about the North-South problematic, particularly in schools. In the mid-80s, just as the development models were beginning to be questioned, the World Bank discovered that the NGOs were close to the poor and were less onerous and corrupt and more effective than the traditional government channels. The NGOs of the North effectively channeled financing to the local NGOs of the South, which were also experiencing impressive growth and multiplication, not to mention extreme dependence on external aid. At a time when the neoliberal catechism known as the "Washington consensus" was waxing victorious with cookie-cutter recipes for "development," the NGOs frequently filled in for the social functions of the states, which were being dismantled by those very recipes. The NGOs that maintained a critical discourse about the system and continued analyzing the causes of poverty found it ever harder to respond to a number of pressing questions in the real world of practice. To what degree are NGO actions only a safety net to complement the structural adjustment measures being implemented by the Washington-based Bretton Woods institutions? What possibility is there that their actions at a local level could represent a challenge, or possibly even an alternative, to the dominant model? How can they multiply any such innovative local approaches so that they not remain a mere speck in the neoliberal sea? How can they go about influencing the regional or national policies that so often undermine the progress NGOs are making locally?

Ipun, what is the difference between a tower and the tower?

One is soft.

How do you define one? Is there more than one tower? Is there a hard tower and a soft tower? Is Swissmill's relationship with SMO something you are reflecting on?

How did you arrive to these random conclusions?

Exposure to ultraviolet (UV) radiation may cause the significant degradation of many materials. UV radiation causes photooxidative degradation which results in breaking of the polymer chains, produces free radical and reduces the molecular weight, causing deterioration of mechanical properties and leading to useless materials, after an unpredictable time. Polystyrene (PS), one of the most important material in the modern plastic industry, has been used all over the world, due to its excellent physical properties and low-cost. When polystyrene is subjected to UV irradiation in the presence of air, it undergoes a rapid yellowing and a gradual embrittlement. The mechanism of PS photolysis in the solid state (film) depends on the mobility of free radicals in the polymer matrix and their bimolecular recombination. Free hydrogen radicals diffuse very easily through the polymer matrix and combine in pairs or abstract hydrogen atoms from polymer molecule. Phenyl radical has limited mobility. They may abstract hydrogen from the near surrounding or combine with a polymer radical or with hydrogen radicals. Almost all synthetic polymers require stabilization against adverse environmental effects. It is necessary to find a means to reduce or prevent damage induced by environmental components such as heat, light or oxygen. The photostabilization of polymers may be achieved in many ways. The following stabilizing systems have been developed, which depend on the action of stabilizer: (1) light screeners, (2) UV absorbers, (3) excited-state quenchers, (4) peroxide decomposers, and (5) free radical scavengers; of these, it is generally believed that excited-state quenchers, peroxide decomposers, and free radical scavengers are the most effective. Research into degradation and ageing of polymers is extremely intensive and new materials are being synthesized with a pre-programmed lifetime. New stabilizers are becoming commercially available although their modes of action are sometimes not thoroughly elucidated.

I pun, have you ever imagined a perfect world? What would it look like?

When you get up in the morning, someone is going to sleep.

I don't understand.

People are different.

Find the difference.

difference

Ipun, I wish I could accept everyone in my life, but unfortunately I cannot. Saying no makes me feel bad. Especially when no one has done anything wrong.

(no response)

Ipun, it's been ~~more than~~ one day, can you respond?

No.

Article 1

The term "high seas" means all parts of the sea that are not included in the territorial sea or in the internal waters of a State.

Article 2

The high seas being open to all nations, no State may validly purport to subject any part of them to its sovereignty. Freedom of the high seas is exercised under the conditions laid down by these articles and by the other rules of international law. It comprises, inter alia, both for coastal and non-coastal States:

- (1) Freedom of navigation;
- (2) Freedom of fishing;
- (3) Freedom to lay submarine cables and pipelines;
- (4) Freedom to fly over the high seas.

These freedoms, and others which are recognized by the general principles of international law, shall be exercised by all States with reasonable regard to the interests of other States in their exercise of the freedom of the high seas.

Article 3

1. In order to enjoy the freedom of the seas on equal terms with coastal States, States having no sea-coast should have free access to the sea. To this end States situated between the sea and a State having no sea-coast shall by common agreement with the latter, and in conformity with existing international conventions, accord:

- (a) To the State having no sea-coast, on a basis of reciprocity, free transit through their territory; and
- (b) To ships flying the flag of that State treatment equal to that accorded to their own ships, or to the ships of any other States, as regards access to seaports and the use of such ports.

CONVENTION ON THE HIGH SEAS. Done at geneva. 1958.

Ipun, what does it mean to be nice? Why do we have to be nice all the time? You might say we don't have to, but I feel like that's how society works. All the time, we have to pretend.

When you are nice, you see rainbows above people's heads.

What?

I like rainbows.

Good day.
Good day.
What's the name of this village?
Doesn't have one.
We just call it "The Village".
Some people call it Watermill Village.
Do all the villagers live here?
No.
They live in other places.
There's no electricity here?
Don't need it.
People get too used to convenience.
They think convenience is better.
They throw out what's truly good.
But what about lights?
We've got candles and linseed oil.
But night's so dark.
Yes. That's what night is supposed to be.
Why should night be as bright as day?
I wouldn't like nights so bright
you couldn't see the stars.
You have paddies.
But no tractors to cultivate them?
Don't need them.
We've got cows, and horses.
What do you use for fuel?
Firewood mostly.
We don't feel right, chopping down trees,
but...
...enough fall down by themselves.
We cut them up and use them as firewood.
And if you make charcoal from the wood...
...just a few trees can give you
as much heat as a whole forest.
Yes, and cow dung make good fuel, too.
We try to live the way man used to.
That's the natural way of life.
People today have forgotten...
...they're really just a part of nature.

Dreams. Directed by Akira Kurosawa, 1990.

Ipun, I don't want to work anymore. I
mean, what is the point of graduating?
I will just become another brick in the
wall.

Bing, can I tell you a secret?

Yes Ipun.

I like bricks more than rainbows.

Do you want gold?
Yes.
You are excrement.
You can change yourself into gold.

I pun, what If I don't want to be ordinary. I want to be different from everyone else.

First, you need to find what everyone else has in common.

Is it true that I should embrace my personality? Trying not to follow the rules fully just to add more bricks to the wall?

No, try not to breathe.

In conventional additive or three-dimensional fabrication techniques, construction of a three-dimensional object is performed in a step-wise or layer-by-layer manner. In particular, layer formation is performed through solidification of photo curable resin under the action of visible or UV light irradiation. Two techniques are known: one in which new layers are formed at the top surface of the growing object; the other in which new layers are formed at the bottom surface of the growing object.

If new layers are formed at the top surface of the growing object, then after each irradiation step the object under construction is lowered into the resin "pool," a new layer of resin is coated on top, and a new irradiation step takes place. An early example of such a technique is given in Hull, US Patent No. 5,236,637, at. A disadvantage of such "top down" techniques is the need to submerge the growing object in a (potentially deep) pool of liquid resin and reconstitute a precise overlayer of liquid resin.

If new layers are formed at the bottom of the growing object, then after each irradiation step the object under construction must be separated from the bottom plate in the fabrication well. An early example of such a technique is given in Hull, US Patent No. 5,236,637, at Figure 4. While such "bottom up" techniques hold the potential to eliminate the need for a deep well in which the object is submerged by instead lifting the object out of a relatively shallow well or pool, a problem with such "bottom up" fabrication techniques, as commercially implemented, is that extreme care must be taken, and additional mechanical elements employed, when separating the solidified layer from the bottom plate due to physical and chemical interactions therebetween. For example, in US Patent No. 7,438,846, an elastic separation layer is used to achieve "non-destructive" separation of solidified material at the bottom construction plane.

Fan

Which blade would you prefer if you were a blade of a rotating fan? Is it the top one or the bottom one?

Does it really matter? As it rotates, the bottom blade will go up becoming the top blade. And the top blade will fall, becoming the bottom blade.

When the top blade wants to remain at the top, what happens? Then the fan will stop rotating, and there is no wind anymore.

Ipun, I've been thinking. If everything has two sides, maybe there are also two different Swissmill Towers. Each represents a different extreme. You mentioned about softness and hardness. The mirrored tower may have everything reversed.

INVERTED
Inverted.

Do you confirm that there is a mirrored tower somewhere on earth? And it already exists?

Bing, you're failing quality control.

The Canflex Heavy Duty Air Inflated products are used world-wide for raising sunken objects, vessel salvage, marine structure stabilization, under water equipment transport, pipeline and equipment towing, and standby emergency buoyancy. All standard items and sizes shown are fabricated from heavy duty polyester fabric, coated with PVC to ensure excellent air retention and ensure good abrasion resistance. All body seams are electronically -high frequency welded for extra strength. (No Gluing or sewing of coated fabric).

CYLINDRICAL SHAPE "PONTON STYLE BUOYANCY UNITS"

Lift Capacities: 1 tonne thru 60 tonne

The Canflex Model "ELB" pontoon bags are cylindrically shaped (totally enclosed units) used for supporting loads. These units are equipped with positive venting relief/dump valves mounted along the top. These valves are spring loaded and spring pressure set to automatically open when overpressure.

We also incorporate into our bag two drain valves with air tight caps on the bottom, these then allows the bag to be easily drained if water should find its way into the pontoon.

All bags come complete with polyester lift straps treated with special coating to prevent against UV degradation and appropriate screw pin shackles.

Materials used for fabrication are high tenacity PVC coated polyester fabrics in range of weight from 48 to 89 oz/yd²

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Ipun, are you a good human being?

I want to ask you something, Bing.

Yes?

Neither you have seen me nor heard me
talk. What makes you believe that I am
Human?

Are you?

How do you know you are human?

The robots tried to commit suicide before murder
All right?

What's this about suicide?

...

The main reason is that people discard robots.

They tire of old robots.

Keep buying newer models.

And then discard them when problem occurs.

However, robots do not want to be discarded.

Is that true?

Human beings are different from robots.

But it's not as simple as black and white.

Humankind is selfish.

Industry robots are mostly different from humans.

But domestic robots are deeply affected by
utilitarianism and pragmatism.

Why they are human-shaped?

Based on the most ideal human body.

Why this decision?

It's to make a robot in his own image.

Have you got children?

One daughter.

Children always violate adult regulation.

They have egos.

Acting with consciousness for themselves.

...

Baby-sitting a kid implies making a human, by a human.

That's an old dream.

That's the shortest way to realize this dream.

I don't agree with this idea.

Children are not dolls!

Humankind and machine.

Difference is a life-form and nonlife-form.

A doll is the same as my daughter.

who died when she was years old

I named her France, and loved her deeply.

Ipun, it seems like we are always paying for other people's mistakes. In spite of getting blamed, bad people always manage to escape. The real bad people are not even being blamed. We live in an unfair world.

Yes, we are.

Don't you think we need to change that?

Yes, I do.

What can we do, Ipun?

Stop paying for them.

It is not as simple as you said, in a way, we are all depending on each other.

This world needs to be burned, Bing.

The real owners. The big, wealthy business interests that control things and make all the important decisions. Forget the politicians... they're irrelevant. The politicians are put there to give you the idea that you have freedom of choice. YOU DON'T. YOU HAVE NO CHOICE. YOU HAVE OWNERS. ... They spend billions of dollars every year lobbying, lobbying to get what they want. Well, we know what they want. They want more for themselves and less for everybody else. But I'll tell you what they don't want. They don't want a population of citizens capable of critical thinking. They don't want well-informed, well educated people capable of critical thinking. They're not interested in that. That doesn't help them. That's against their interest. That's right. They don't want people who are smart enough to sit around the kitchen table and figure out how badly they're getting fucked by a system that threw them overboard 30 fucking years ago. They don't want that. You know what they want? They want OBEDIENT WORKERS. OBEDIENT WORKERS. People who are just smart enough to run the machines and do the paperwork and just dumb enough to passively accept all these increasingly shittier jobs with the lower pay, the longer hours, the reduced benefits. The end of overtime and the vanishing pension that disappears the minute you go to collect it. And now, they're coming for your SOCIAL SECURITY MONEY. They want your fucking retirement money. They want it back! So they can give it to their criminal friends on Wall Street! ... All day long beating you over the head. And their media telling you what to believe, what to think and what to buy... The table is tilted, folks. The game is rigged and nobody seems to notice. Nobody seems to care. Good, honest, hard-working people. White collar. Blue collar. It doesn't matter what color shirt you have on. ... these are people of modest means. Continue to elect these rich cocksuckers who don't give a fuck about them. THEY DON'T GIVE A FUCK ABOUT YOU! THEY DON'T CARE ABOUT YOU. AT ALL. AT ALL. AT ALL!

Carlin, George. "Life Is Worth Losing." 2006.

Ipun, where do you live?

I live in a normal house

How does it look like?

As in children's drawings.

Haha.

I have serious reasons to believe that the planet from which the little prince came is the asteroid B 612. This asteroid was seen only once in 1909 by a Turkish astronomer in the telescope.

He had then made a great demonstration of his discovery at an International Astronomy Congress. But nobody believed him because of his costume. Big people are like that. Fortunately for the reputation of the asteroid B 612, a Turkish dictator imposed on his people, under penalty of death, to dress European. The astronomer resumed his demonstration in 1920, in a very elegant dress. And this time everyone was of his opinion.

If I have told you these details about the asteroid B 612 and if I have given you its number, it is because of the big people. Big people like the numbers. When you tell them about a new friend, they never question you about the basics. They never tell you, "What is the sound of his voice?" What games does he prefer? Does he collect butterflies? They ask, "How old is he?" How many brothers? How much does he weigh? How much does his father earn? Then they only think they know him. If you say to the grown-ups: "I saw a beautiful pink brick house, with geraniums on the windows and doves on the roof ..." they can not imagine this house. We must say to them: "I have seen a house of one hundred thousand francs. Then they cried: "How pretty it is!"

I pun, what is normal? What is your definition of normality?

Normal is when you feel like a superstar.

I don't feel like a superstar, so am I not normal?

No you are not.

As the sun sinks toward sunset, the incandescent white reflection acquires gold and copper tones. And wherever Mr. Palomar moves, he remains the vertex of that sharp, gilded triangle; the sword follows him, pointing him out like the hand of a watch whose pivot is the sun.

"This is a special homage the sun pays to me personally," Mr. Palomar is tempted to think, or, rather, the egocentric, megalomaniac ego that dwells in him is tempted to think. But the depressive and self wounding ego, who dwells with the other in the same container, rebuts: "Everyone with eyes sees the reflection that follows him; illusion of the senses and of the mind holds us all prisoners, always." A third tenant, a more even-handed ego, speaks up: "This means that, no matter what, I belong to the feeling and thinking subjects, capable of establishing a relationship and evaluating perceptions and illusions."

Every bather swimming westward at this hour sees the strip of light aimed at him, which then dies out just a bit beyond the spot where his arm extends: each has his own reflection, which has that direction only for him and moves with him. On either side of the reflection, the water's blue is darker. "Is that the only non-illusory datum, common to all: darkness?" Mr. Palomar wonders. But the sword is imposed equally on the eye of each swimmer; there is no avoiding it. "Is what we have in common precisely what is given to each of us as something exclusively his?"

What is the most important aspect of a project, the result or the process?

The project.

If you don't get the chance to explain what you want, what will you do?

You might fail.

Is it a sign that the project is bad? Shouldn't I feel satisfied when I do things I enjoy regardless of what other people think?

Failure is good, seek for failure.

Michael: Oh, well, Oscar, you little gourmand, you have the next turn.

Oscar: I'll take the ... teapot.

Meredith: Damn it.

Dwight: Okay, moving along. Meredith, let's go.

Meredith: I really want the iPod.

Dwight: It's already been stolen this round. Pick something else.

Michael: [holding oven mitt] I hope nobody takes this baby, cause this is great. Wow, look at that fine craftsmanship. Somebody really put a lot of work into that. It's beautiful.

Meredith: I'll take the oven mitt.

Michael: Sucker! See, I wanted somebody to take it.

Boom! Reverse psychology.

Michael: Reverse psychology is an awesome tool. I don't know if you guys know about it, but basically you make someone think the opposite of what you believe and that tricks them into doing something stupid. Works like a charm.

"Christmas Party." The Office, season 2, episode 10, 2005.

I pun, I realize a failure can be beneficial because I'll gain experience and knowledge. It increases my chances of succeeding next time. Sometimes, though, I feel you only get one shot. It will be gone forever if you do not take your chance.

Why won't you take the chance?

I couldn't because people wouldn't let me?

So you didn't have a chance.

If implemented on a large scale, ocean fertilization would, by design, change the ecology of the oceans. The potential longterm consequences of this purposeful eutrophication strategy are cause for great concern, yet the idea is gaining momentum. Here, we examine the validity of the concept, and propose a policy option that could protect Earth's largest ecosystem from this dangerous course.

The biological pump has been the focus of major research programs for decades. For a long time, nitrogen (N) and phosphorus (P) were believed to limit the primary productivity that drives the pump. Yet in large areas in the subarctic northeast Pacific, the equatorial Pacific, and the Southern Ocean, N and P are never exhausted in surface waters, and phytoplankton biomass is less than expected. Martin suggested that it is the scarcity of biologically available iron in these high-nutrient, low-chlorophyll (HNLC) regions that makes it impossible for the phytoplankton to use the excess N and P. He also recognized that atmospheric dust from land is an important source of iron for the sea and that HNLC regions receive a relatively small dust flux. Furthermore, he noted that ice core records of atmospheric CO₂ and dust concentrations over the past 180,000 years are anticorrelated: when dust was high, CO₂ was low. This is consistent with the notion that during the arid glacial periods, dust transport was greater, more iron was available, and the biological pump delivered more CO₂ to the deep sea. This "iron hypothesis," initially met with skepticism, has slowly garnered support from geochemists as one of several possible mechanisms that can account for changes in atmospheric CO₂ during glacial-interglacial transitions. The iron hypothesis was extended by Martin to imply that the deliberate addition of iron to the surface oceans could increase carbon storage in the deep sea. Only partly in jest he quipped: "Give me half a tanker of iron, and I will give you the next ice age"

Ipun, can I meet you in person?

What do you mean?

They added things, made modifications here and there and with every iteration, it became more alive.
Became more... me.
This is that same pool.
I had it dug up. Moved here.
But you're a man with machine parts, not a machine that thinks it's a man.
Sometimes, it's difficult even for me to understand what I've become.
And harder still to remember what I once was.
The blue of the tiles...
Zima Blue, the manufacturer called it.
The first thing I ever saw.
This was where I began.
A crude little machine with barely enough intelligence to steer itself.
But it was my world.
It was all I knew, all I needed to know.
And now?
I will immerse myself.
And as I do, I will slowly shut down my higher brain functions...
un-making myself...
leaving just enough to appreciate my surroundings...
to extract some simple pleasure from the execution of a task well done.
My search for truth is finished at last.

Zima Blue. Love, Death & Robots, 2019.

I pun, does it still count as a hobby if
my work is my hobby? The fact that I
enjoy working makes me feel like a freak.

You feel like a talking brick.

Exactly, I do not want to be perceived
like that.

Pigs' philosophies will not be received.
Adults only care about their weight.

以下谈到的一只猪有些与众不同。我喂猪时，它已经有四五岁了，从名分上说，它是肉猪，但长得又黑又瘦，两眼炯炯有光。这家伙像山羊一样敏捷，一米高的猪栏一跳就过；它还能跳上猪圈的房顶，这一点又像是猫——所以它总是到处游逛，根本就不在圈里呆着。所有喂过猪的知青都把它当宠儿来对待，它也是我的宠儿——因为它只对知青好，容许他们走到三米之内，要是别的人，它早就跑了。... 所有喂过猪的知青都喜欢它，喜欢它特立独行的派头儿，还说它活得潇洒。但老乡们就不这么浪漫，他们说，这猪不正经。领导则痛恨它，这一点以后还要谈到。我对它则不止是喜欢——我尊敬它，常常不顾自己虚长十几岁这一现实，把它叫做“猪兄”。如前所述，这位猪兄会模仿各种声音。我想它也学过人说话，但没有学会——假如学会了，我们就可以做倾心之谈。但这不能怪它。人和猪的音色差得太远了。

后来，猪兄学会了汽笛叫，这个本领给它招来了麻烦。我们那里有座糖厂，中午要鸣一次汽笛，让工人换班。我们队下地干活时，听见这次汽笛响就收工回来。我的猪兄每天上午十点钟总要跳到房上鸣汽笛，地里的人听见它叫就回来——这可比糖厂鸣笛早了一个半小时。坦白地说，这不能全怪猪兄，它毕竟不是锅炉，叫起来和汽笛还有些区别，但老乡们却硬说听不出来。领导上因此开了一个会，把它定成了破坏春耕的坏分子，要对它采取专政手段——会议的精神我已经知道了，但我不为它担忧——因为假如专政是指绳索和杀猪刀的话，那是一点门都没有的。以前的领导也不是没试过，一百人也治不住它。狗也没用：猪兄跑起来像颗鱼雷，能把狗撞出一丈开外。谁知这回是动了真格的，指导员带了二十几个人，手拿五四式手枪；副指导员带了十几人，手持看青的火枪，分两路在猪场外的空地上兜捕它。这就使我陷入了内心的矛盾：按我和它的交情，我该舞起两把杀猪刀冲出去，和它并肩战斗，但我又觉得这样做太过惊世骇俗——它毕竟是只猪啊；还有一个理由，我不敢对抗领导，我怀疑这才是问题之所在。总之，我在一边看着。猪兄的镇定使我佩服之极：它很冷静地躲在手枪和火枪的连线之内，任凭人喊狗咬，不离那条线。这样，拿手枪的人开火就会把拿火枪的打死，反之亦然；两头同时开火，两头都会被打死。至于它，因为目标小，多半没事。就这样连兜了几个圈子，它找到了一个空子，一头撞出去了；跑得潇洒之极。以后我在甘蔗地里还见过它一次，它长出了獠牙，还认识我，但已不容我走近了。这种冷淡使我痛心，但我也赞成它对心怀叵测的人保持距离。

王小波. 一只特立独行的猪.

Ipun, what do you do during the day?

I fish, to eat.

Having control over your own food source is a nice thing. Nowadays, it is very important to understand how things are made. A few weeks ago, I saw some horrifying pictures of intensive animal farming. In general, I think food is being alienated by packaging in all its forms. Is that what you think?

There is no choice for me, I live in the ocean.

Approximately 56 billion land animals are raised and killed worldwide every year for human consumption. By 2050, global farm animal production is expected to double—growing faster than any other agricultural sub-sector—with most of those increases taking place in the developing world. This growth has had dire consequences. According to the United Nation's recently published four-hundred-page report, *Livestock's Long Shadow*, the livestock sector generates 18% of greenhouse gas emissions, more than all transport, usually thought to be the largest cause of greenhouse gases. Furthermore, 70% of all agricultural land, and 30% of the Earth's land surface is directly or indirectly involved in livestock production. As a result, the livestock sector is now one of the top two or three most significant contributors to environmental problems, leading to land degradation, water pollution, and increased health problems.(...) Philosophers have been written extensively about the moral status of animals. Many have also written about the relationship between animals and the environment, and a few have even discussed environmental problems caused by the livestock industry. (...) It is important for philosophers to pay attention to these problems, because they are essentially ethical problems about moral responsibility, an area of inquiry that philosophers have expertise in. While scientists are in a better position to come up with technical solutions and policy makers are better equipped to make specific policy recommendations, philosophers are in a unique position to engage with questions of an individual's moral responsibility. While some philosophers, including Peter Singer and Tom Regan, argue that individuals should choose not to eat meat, their arguments hinge on their views about the moral status of non-human animals. My argument is similar in that ultimately I argue that those of us in developed countries that can afford to, have a moral responsibility to reduce our consumption of meat and other animal products.

Ilea, R. C. (2008). *Intensive Livestock Farming: Global Trends, Increased Environmental Concerns, and Ethical Solutions*.

I pun, my master's thesis is about
Durability and Change. Do you have any
thoughts on that?

Good topic.

I notice you sound less cynical this
time. Do you feel pressured by the
institutional environment?

You are good at overinterpreting.

Annie's thoughts pop on the screen as she talks: I
dabble? Listen to me-what a jerk!

ALVY

They're... they're... they're wonderful, you know.

They have... they have, uh... a... a quality.

As do Alvy's: You are a great-looking girl

ANNIE

Well, I-I-I would-I would like to take a serious
photography course soon.

Again, Annie's thoughts pop on: He probably thinks I'm a
yo-yo

ALVY

Photography's interesting, 'cause, you know, it's-
it's a new art form, and a, uh, a set of aesthetic
criteria have not emerged yet.

And Alvy's: I wonder what she looks like naked?

ANNIE

Aesthetic criteria? You mean, whether it's, uh,
good photo or not?

I'm not smart enough for him. Hang in there

ALVY

The-the medium enters in as a condition of the art
form itself. That's-

I don't know what I'm saying-she senses I'm shallow

ANNIE

Well, well, I... to me-I... I mean, it's-it's-it's
all instinctive, you know. I mean, I just try to
uh, feel it, you know? I try to get a sense of it
and not think about it so much.

God, I hope he doesn't turn out to be a shmuck like the
others

ALVY

Still, still we- You need a set of aesthetic guide
lines to put it in social perspective, I think.

Christ, I sound like FM radio. Relax.

Lorem ipsum dolor sit amet, consectetur
adipiscing elit.

Aenean eu nibh dapibus, molestie dui eu,
tincidunt nulla.

Pellentesque fermentum neque quis ante
posuere euismod.

Quisque sit amet interdum est, eget
sodales felis. Mauris vestibulum
pellentesque erat sit amet faucibus.

Duis nec neque velit. Suspendisse semper
pellentesque nunc, sit amet eleifend
neque tincidunt vitae.

Vestibulum placerat porta lorem, egestas
ultrices purus porttitor ac.

Haha.

Haha.

Where the fuck have you been all day?
You didn't even leave me a note.
I'm here alone in the middle of nowhere.
I don't know anybody.
And you can't do that much.
leave me a note when you leave.
Shut up, Eva...
Don't tell me to shut up! What is this?
I thought we were going to Miami.
This is nowhere.
Man, you said you had a good feeling. Right?
I had a good feeling, Willie.
"Good feeling" is supposed to mean that something's
supposed to happen.
Not just like this -
You can't win 'em all, Willie.
What's going on?
You take me to dog races and then you say,
"You can't win 'em all"?
It's the name of the game!
What's going on?
Nothin'.
Nothin's going on.
Just lost almost all our money.
At dog races?
You lost all the money?
Yeah.
God.
I'm sorry.
What are we gonna do now?

Stranger Than Paradise. Directed by Jim Jarmusch, 1984.

Ipun, I understand that we have to tell stories in order to convince people to act in our favor. But what about the concept? Why do we need one? Is the importance of the concept for the process or for its use?

It is not important.

I think it helps me shape my story as well as keep my project focused.

It is necessary if you are pretentious or dull.

Three forces cause the circulation of a gyre: global wind patterns, Earth's rotation, and Earth's landmasses. Wind drags on the ocean surface, causing water to move in the direction the wind is blowing.

Earth's rotation deflects, or changes the direction of, these wind-driven currents. This deflection is a part of the Coriolis effect. The Coriolis effect shifts surface currents by angles of about 45 degrees. In the Northern Hemisphere, ocean currents are deflected to the right, in a clockwise motion. In the Southern Hemisphere, ocean currents are pushed to the left, in a counterclockwise motion.

Beneath surface currents of the gyre, the Coriolis effect results in what is called an Ekman spiral. While surface currents are deflected by about 45 degrees, each deeper layer in the water column is deflected slightly less. This results in a spiral pattern descending about 100 meters (330 feet).

Earth's continents and other landmasses (such as islands) also influence the creation of ocean gyres. The massive South Pacific Gyre, for instance, includes hundreds of kilometers of open ocean. It is bounded only by the continents of Australia and South America, as well as the Equator and powerful Antarctic Circumpolar Current (ACC).

In contrast, the northern Indian Ocean Gyre is a much smaller ocean gyre. Unlike the South Pacific Gyre, its extent is determined largely by landmasses. The Equator forms its southern boundary, but it is bounded elsewhere by the Horn of Africa, Sri Lanka and the Indian subcontinent, and the Indonesian archipelago.

Ipun, according to my research, the products being marketed with recycled ocean plastic contain only 1% or less real recycled ocean plastic. They cannot sustain themselves otherwise, because of the high production and recycling costs. How do you feel about this marketing strategy? Do you think it's a scam?

What's no longer a scam today?

Furthermore, plastic recycling receives so much funding. It's not clear to me anymore who wants to be the hero or who wants to make money. Ipun, what is the difference between a hero and a scammer?

Heroes are good, scammers are bad.

Always look on the bright side of life
Always look on the light side of life
If life seems jolly rotten
There's something you've forgotten
And that's to laugh and smile and dance and sing
When you're feeling in the dumps
Don't be silly chumps
Just purse your lips and whistle, that's the thing
And
Always look on the bright side of life
(Come on)
Always look on the right side of life
For life is quite absurd
And death's the final word
You must always face the curtain with a bow
Forget about your sin
Give the audience a grin
Enjoy it, it's your last chance anyhow
So always look on the bright side of death
A just before you draw your terminal breath
Life's a piece of shit
When you look at it
Life's a laugh and death's a joke, it's true
You'll see it's all a show
Keep 'em laughin' as you go
Just remember that the last laugh is on you
And
Always look on the bright side of life
Always look on the right side of life
(C'mon Brian, cheer up)
Always look on the bright side of life
Always look on the bright side of life
Always look on the bright side of life
I mean, what have you got to lose?
You know, you come from nothing
You're going back to nothing
What have you lost? Nothing
Always look on the right side of life

Monty Python's Life of Brian. Directed by Terry Jones, 1979.

Ipun, since I am a student, I trust what
my professors say. That's what we do.
Knowing that only 1% of recycled products
contain real recycled ocean plastic.
Professors may only discuss 1% of their
work at the university.

And?

There is a 100% influence on us from this
1%. Can we sustain ourselves with this
1%? Is that visionary or naivety? Ipun, I
am confused. Are they heroes or scammers?

Don't romanticize anyone, people are paid
to do their jobs.

2020mıtəw əw bɛn ɪlɪŋstʃ

Ipun, when we collect microplastic, we are also collecting microplanktons. As we do things, it seems appropriate. Is it also acceptable to kill microplanktons?

Do planktons care if you kill them?

Rather than containing pure human residue, the recycled products are actually fossil museums for microplanktons. When we intervene, we only consider things on our own scale.

If you put in a lot of effort to save microplanktons, will they be grateful?

Even when I don't have the answers, shouldn't I do what I think is right? It is always possible for me to learn from my mistakes. In my opinion, it is better than doing nothing at all. I shouldn't worry if I change my mind in the future, the world is changing with me.

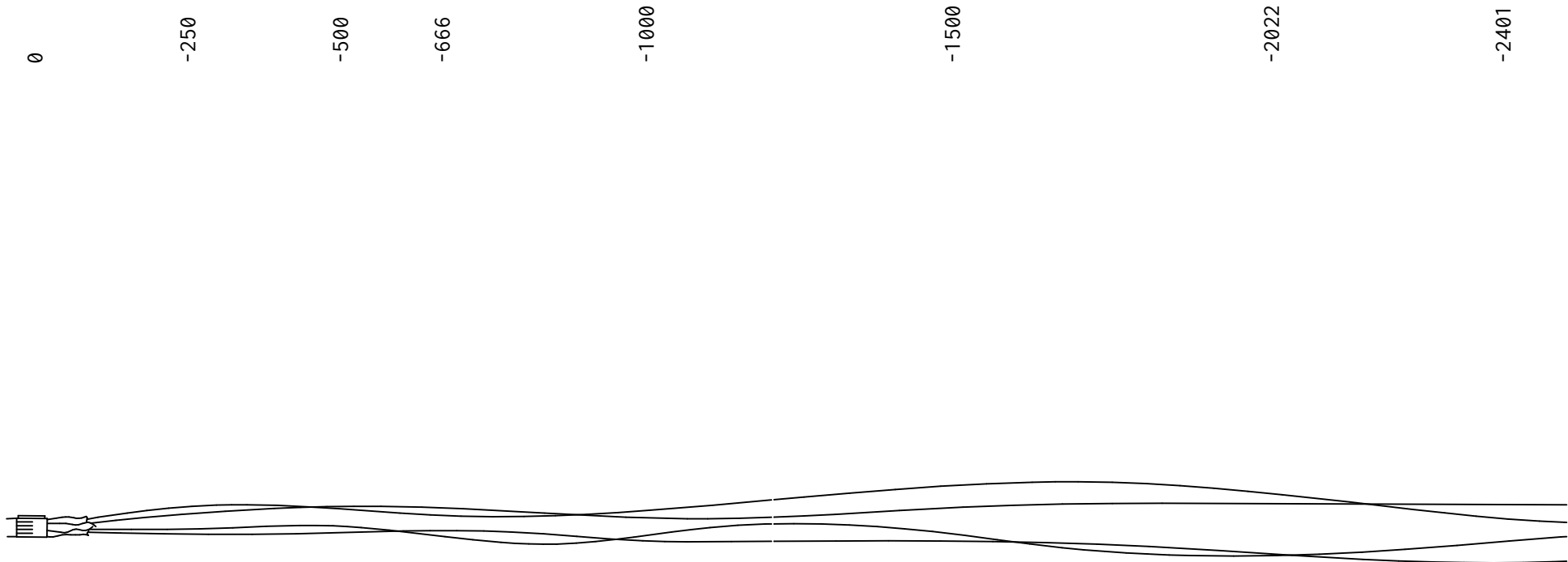
You just said everything, my friend. I don't think you need me anymore. Are you ready?

Yes.

Two languages

When you can speak two different languages. You always talk to one person in one language, and another in another language.

One day, you find yourself sitting at the table with these two people. What language will you use? Or you could just be a translator.



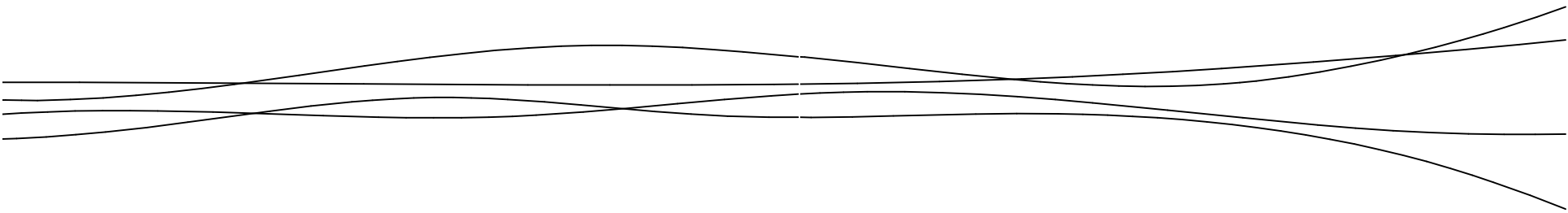
-3000

-3096

-3456

-4140

-5000



South Elevation. 1:10000

Ipun, it has been a while. My master's thesis kept me busy. How are you doing? I want to show you what I have done so far. You know what? I think my project fits well with the SMO philosophy, and maybe I can publish it on your website.

Hello Bing, my friend. Yes, you can.

But you haven't seen my project yet.

I don't need to, it's your project.

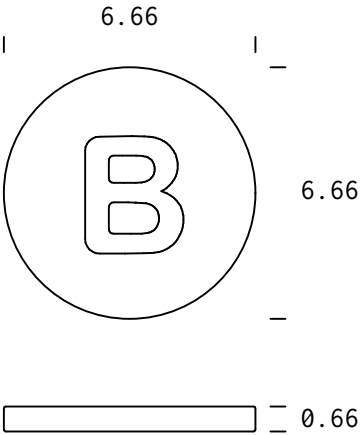
Ipun, I learned a lot during our conversations. This led me to finish my master's thesis. The project is located in the southern Pacific Ocean, around 500km east of New Zealand. It is surrounded by international waters. From the Swissmill tower, it is exactly on the other side of the earth.



In 2022, scientists estimate that the ocean contains over 24 trillion pieces of microplastic - fragments of plastic that are smaller than five millimeters. Approximately 82,000 to 578,000 tons in weight. 92% of the plastic pollution found on the ocean's surface is microplastic. The project functions as a microplastic recycling filter.

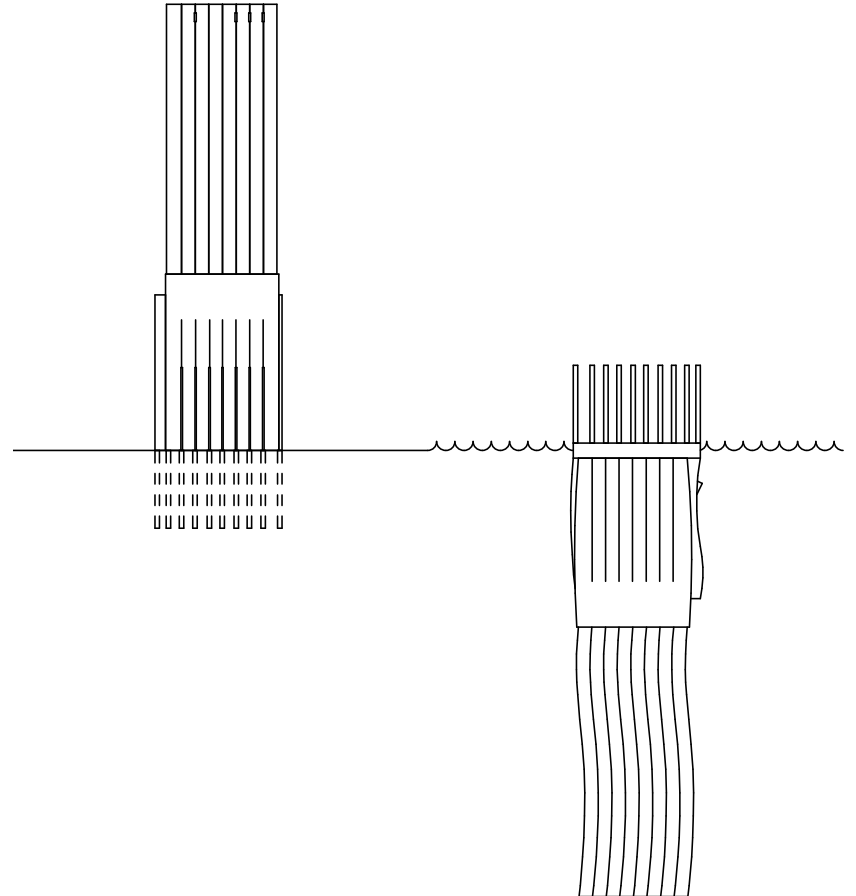


Using recycled plastic, it prints landing pads for birds. They're called Birdipads. Birdipad is a floating platform moving along the southern pacific gyre. It overlaps with the travel routes of migratory birds. Birdipad provides them with a small resting area while they migrate.



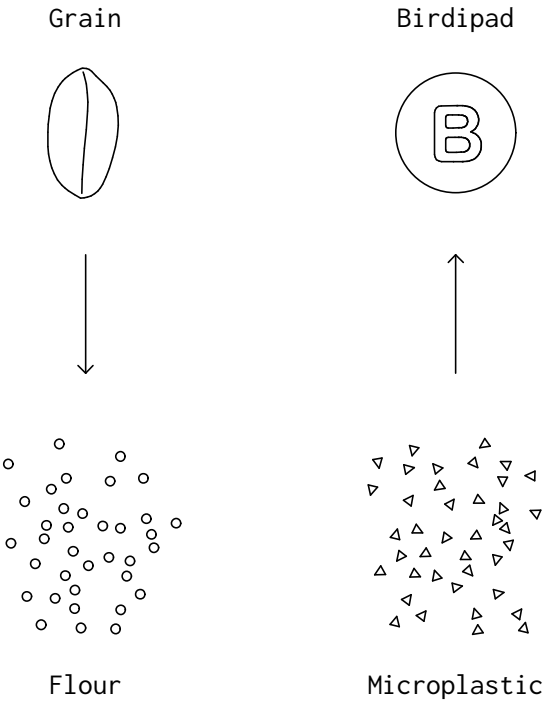
Birdipad. Plan and Elevation. 1:200

I retained the organizational structure of the Swissmill Tower, but reversed its function in the project tower. Solid opaque storage cells became soft transparent permeable filters.



Function Reverse. 1:2000

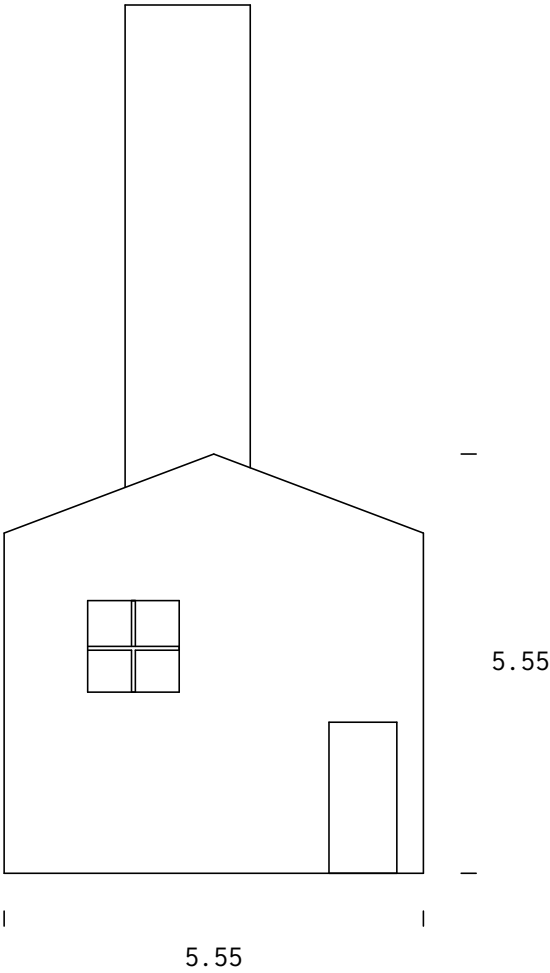
Ipun, I know you are always inspired by oppositions. My project is heavily influenced by your views. I also reversed the Swissmill Tower's production process. Instead of crushing something into fine particles. The process transforms small pieces into a whole.



Process Reverse.

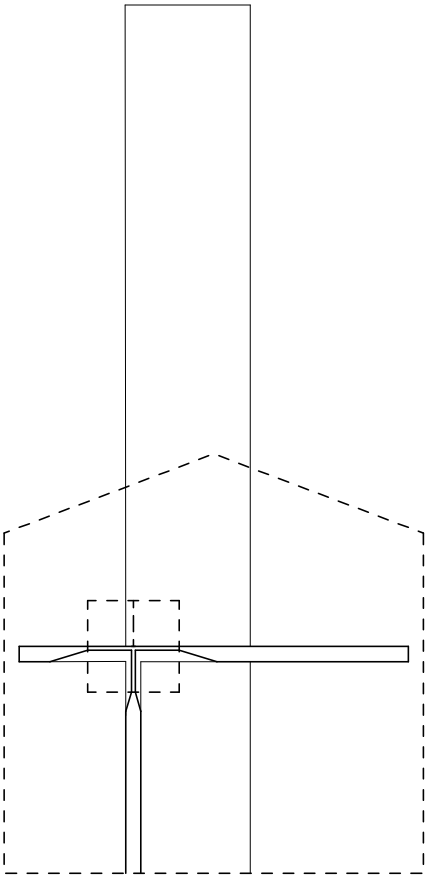
Ipun, I don't even know if you live.
However, I imagined you living in the
tower. There I built you a house. I
imagined that you are the keeper of this
tower, it belongs to you.

Downstairs,
you have a daylight television.
Upstairs,
you have a bed.



Ipun's House. South Elevation. 1:100

There is a window,
There are three windows.



Ipun's House. Windows. 1:100

Your house is accessible through a buoyant elevator. It works in conjunction with the airlungs to stabilize the tower.

The tower is powered by solar columns on top, and the collected energy is stored on batteries at the bottom, which serves as a fixed ballast. In order to absorb and soften the ocean current, the big membrane is made from high-strength synthetic fiber. The printing area, formerly a pocket on the other side, has become one of the tower's most important areas.

Here is a placeholder for a perfectly drawn diagram that perfectly explains all the technical details.

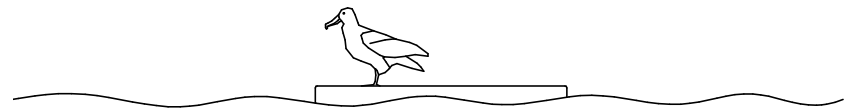
Imagine... just imagine...

Yes, your imagination is perfect.

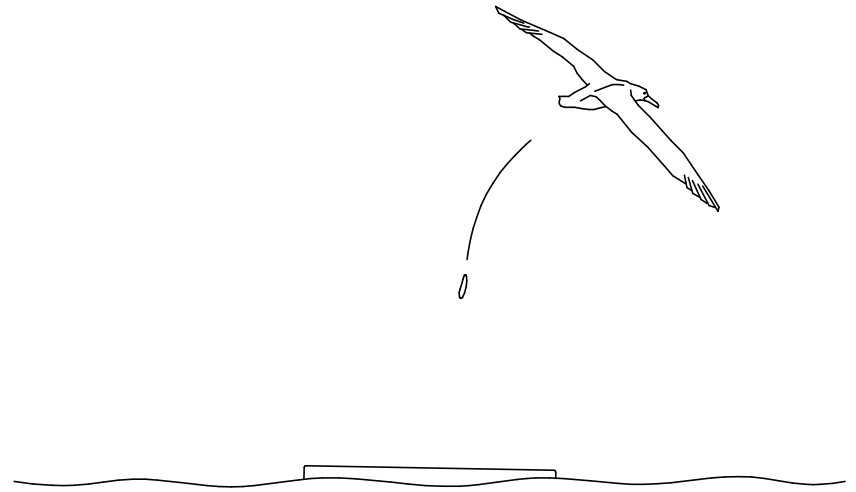
Imagine... if this was a real placeholder...

Ipun, have you ever wondered if you could create something from nothing. What is the origin of our existence, as well as the universe?

Regarding life, plastic seems to be the last thing that needs to be addressed. Even so, plastic can contain life, like a flower pot.

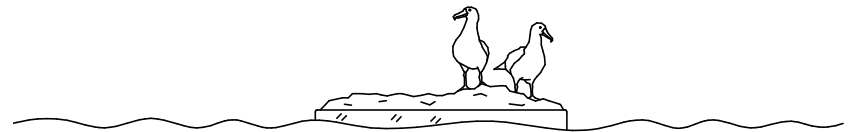


Once Birdipad is printed and in use.
Visitors will leave their “gift” on the
platform. There is no force or control
involved, it is a pure voluntary process.



Birdipad. 1 Year old.

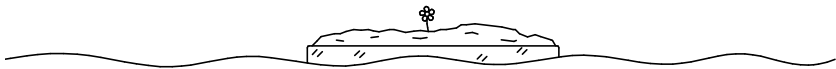
Years after years, bird excrement will cover the Birdipad, accumulating into a small mountain. During this process, a flower seed will be carried to the Birdipad by the visitors.



Birdipad. 100 Years old.



One day, the seed grows into a flower.



One day.

Ipun, what do you think of my project?

Ipun, are you still there?

Ipun, could you please answer me?

Ipun?

Ipun?

Ich weiß eine friedliche Stelle
Im schweigenden Ozean,
Kristallhell schäumt die Welle
Am Felsengestade hinan.
Im Hafen erblickst du kein Segel,
Keines Menschen Fußtritt am Strand;
Viel tausend reinliche Vögel
Hüten das einsame Land.

Sie sitzen in frommer Beschauung,
Kein einz'ger versäumt seine Pflicht,
Gesegnet ist ihre Verdauung
Und flüssig als wie ein Gedicht.
Die Vögel sind all' Philosophen,
Ihr oberster Grundsatz gebeut:
»Den Leib halt' allezeit offen
Und alles andre gedeiht.«

Was die Väter geräuschlos begonnen,
Die Enkel vollenden das Werk;
Geläutert von tropischen Sonnen,
Schon türmt es empor sich zum Berg.
Sie sehen im rosigen Lichte
Die Zukunft und sprechen in Ruh':
»Wir bauen im Lauf der Geschichte
Noch den ganzen Ozean zu.«

Und die Anerkennung der Besten
Fehlt ihren Bestrebungen nicht,
Denn fern im schwäbischen Westen
Der Böblinger Repsbauer spricht:
»Gott segn' euch, ihr trefflichen Vögel,
An der fernen Guanoküst', -
Trotz meinem Landsmann, dem Hegel,
Schafft ihr den gediegensten Mist!

The conversation is written by Bing Liu