



吉娃斯愛科學繪本

第03集
飛魚的夜曆

太魯閣族語

翻譯 / 配音
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吉娃斯愛科學

第03集 飛魚的夜曆

太魯閣族語



族語全文朗讀



華語全文朗讀



英語全文朗讀



吉娃斯

Ciwas

飛奔

Peydang

乃奈

Harung

里昂

Lihang



Patas spgan jiyax keeman qsurux skaya



飛魚的夜曆



The Flying Fish Calendar

慢

原







Meiyah ka pnskarat qsurux skaya da!



飛魚季來了!



The flying fish season has arrived!







Qulung dhuq pnskarat qsurux skaya, seejiq Tao musa gsilung tmqsurux qsurux skaya keeman.



每到飛魚季，達悟族人就要在夜間出海夜捕飛魚。



Every year during the flying fish season, Tao people go out to sea at night to catch flying fish.

慢

原







Mniq lhang keeman do, qmita rdax asu pnspuan qcinuh ka qsurux skaya do mhraw rdax.



在夜色裡，趨光性的飛魚看到拼板舟上的火光。

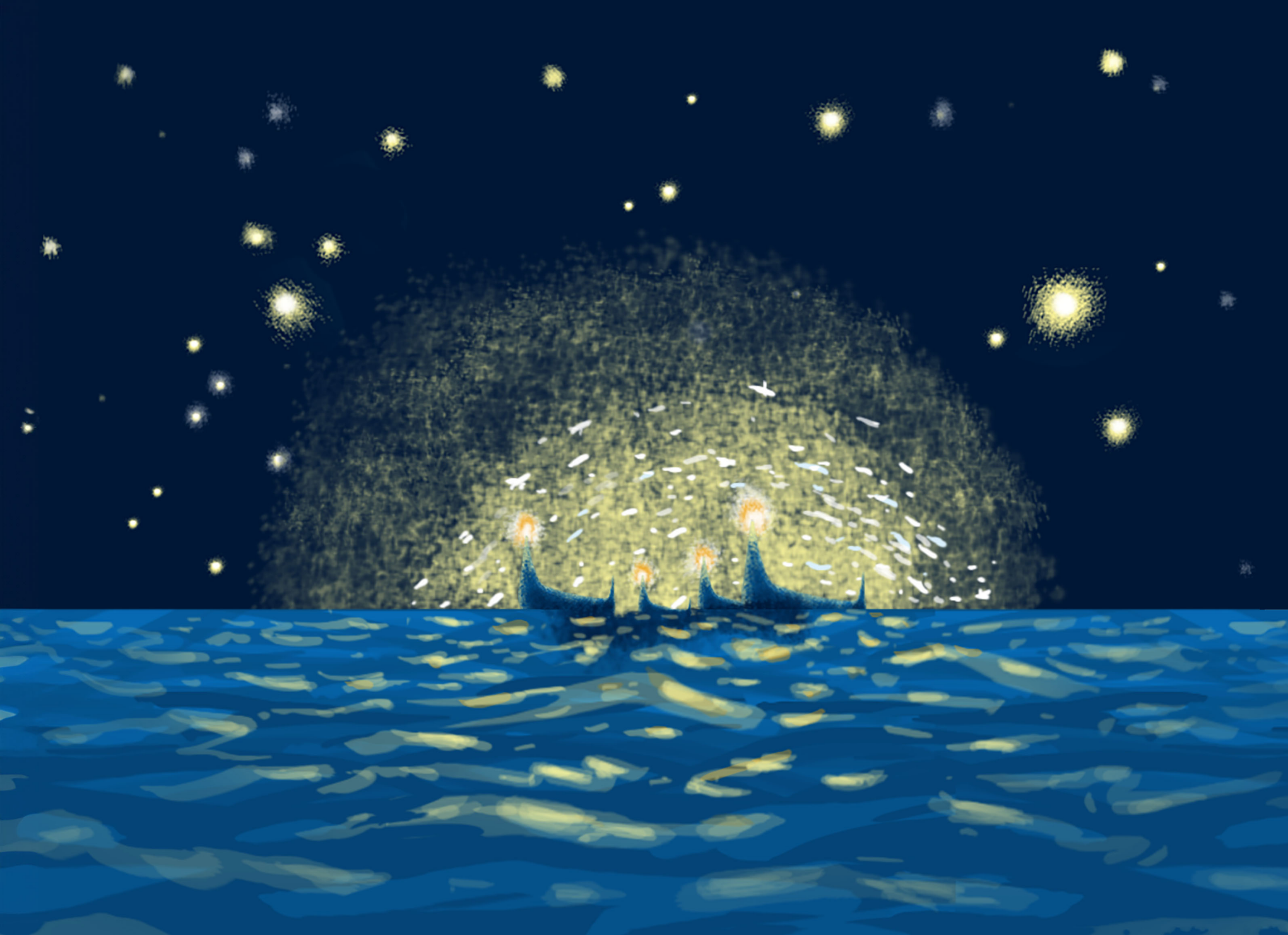


In the dark of the night, flying fish are attracted to the light of torches on tatala boats.

慢

原







Ini sqlingi smpug ka qsurux skaya mtrawah pahing skaya psdhriq babaw
gsilung.



數以百計的飛魚就會展開胸鰭在海面滑翔。



Hundreds of flying fish open their pectoral fins and glide above the surface
of the ocean.

慢

原







Bitaq aji bi biyaw rdax ka karat do, kika hana embrinah peapa asu ka dhiya.



一直到天快亮了, 他們才會返航。



The fishermen only return to the shore when dawn approaches.

慢

原







Mgrbu bi ka Si Masagaz tmaga siyaw gsilung thngay napa dha qsurux
mnsa tmqsurux ka tama na.



si Masagaz 很早很早就在海邊等著出海的父親滿載而歸。



si Masagaz wakes up really early to go to the beach to await his father' s
return with a full catch.







Murug saw sbiyaw ka seejiq Tao. Babaw mntcuing ka tama Si Masagaz o priyux hangan maa Syaman Masagaz. Pusu na nii o tama Masagaz msa.



依照達悟族人的傳統，si Masagaz 的父親在他出生後就改名為 syaman Masagaz，意思是 Masagaz 的父親。



According to Tao traditions, when si Masagaz was born, his father's name became Syaman Masagaz, which means the father of Masagaz.







Asi dha smlui nhari ka snrahug qsurux skaya mntaril siyaw pnlaq, snluun dha nhari. Ngalun dha ka kdkat qsurux ni qsahur uri, kika malu bi ngalan mdngu qsurux.



捕上岸的飛魚要迅速處理，還要去除魚鱗和內臟，方便之後做成魚乾。



The flying fish caught by the fishermen must be processed quickly after reaching shore, removing the scales and organs in order to dry the fish.

慢

原







Bitaq bi mniq babaw tunux ka hidaw siida, kika hana dhuq siyaw pnlaq ka Civas ni Lihang.



直到太陽快到頭頂時，吉娃斯和里昂才到海邊幫忙。



Giwas and Leon don' t arrive at the beach to help until the sun is high in the sky.

慢

原







Si Masagaz o biqan na kingal qsurux kuyuh ka Ciwas, snqaras na hyaan dmnayaw.



si Masagaz 送給吉娃斯一條女人魚，感謝她的幫忙。



si Masagaz gives Giwas a women' s fish to thank her for her help.

慢

原







Seejiq Tao o psnakun dha 3 klgan ka qsurux, kiya o qsurux snaw, qsurux kuyuh ni qsurux rudan. Qsurux kuyuh ka tgmalu bi uqun, kika ssngari dha kuyuh ni lqlaqi.



達悟族人把魚分成男人魚、女人魚和老人魚三種。女人魚是最好吃的一種魚，所以留給女人和小孩們吃。



The Tao people split fish into three categories: men' s fish, women' s fish, and elder' s fish. Women' s fish are the most delicious, so they are saved for women and children to eat.

慢

原







Ciwas o kmngalun na pnsxalan ka qsurux nii, dsun na daka srwanan mseupu Peydang mkan, naa bi huya ksun muda hug?

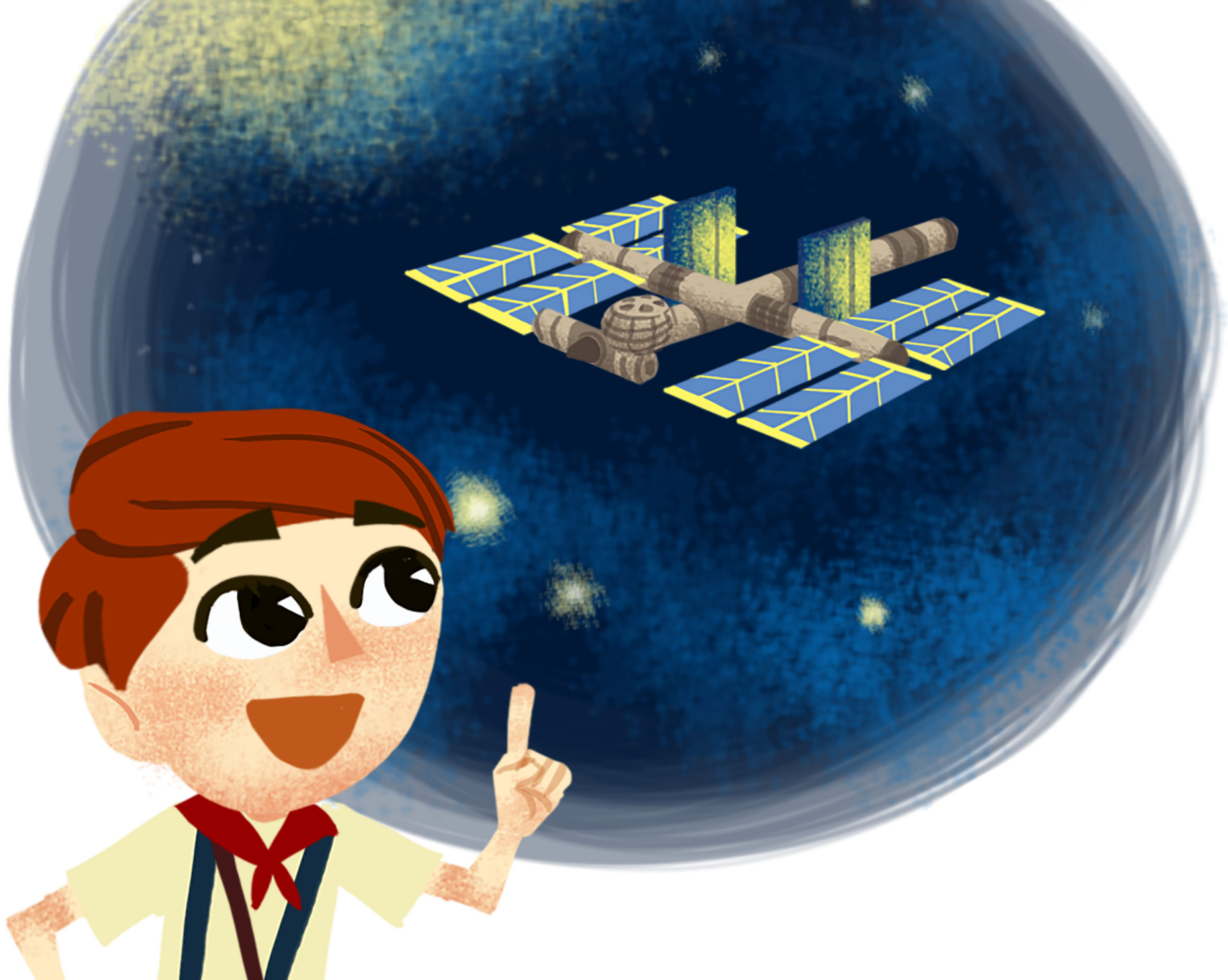


吉娃斯想把這條魚好好保存，以便帶到太空站與飛卉分享。該怎麼做呢？



Giwas wants to preserve the fish so she can take it to the space station to share with Behuy. How can she do that?







Lihang o lnglungun na snduray ka snhlayan na knkla ensaan na pha bgurah qcinuh biyax hidaw ka daka srwanan.

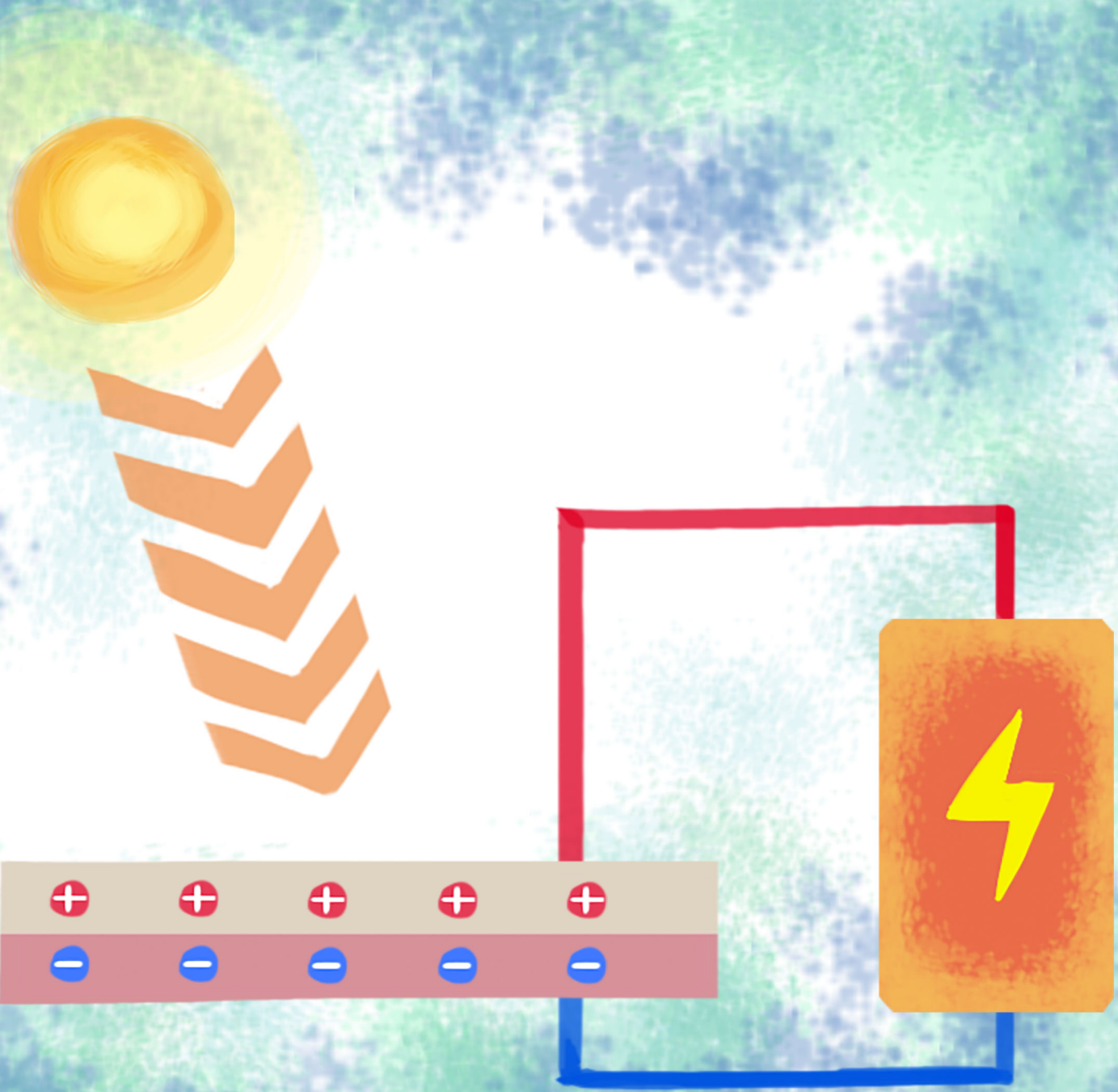


里昂想起上次太空站安裝新的太陽能板所學習到的知識。



Leon recalls what they learned when the space station installed new solar panels.







Babaw hmngut liwaq rdax ka qngqaya do peiyah saw samaw nii o “bnrihan rdax samaw” sun, qcinuh biyax hidaw o kika kingal qngqaya dmuuy liwaq rdax hidaw peiyah biyax samaw.



物質吸收光子後放出電子的現象叫做「光電效應」。太陽能板就是利用太陽光的光子產生電力的一種工具。

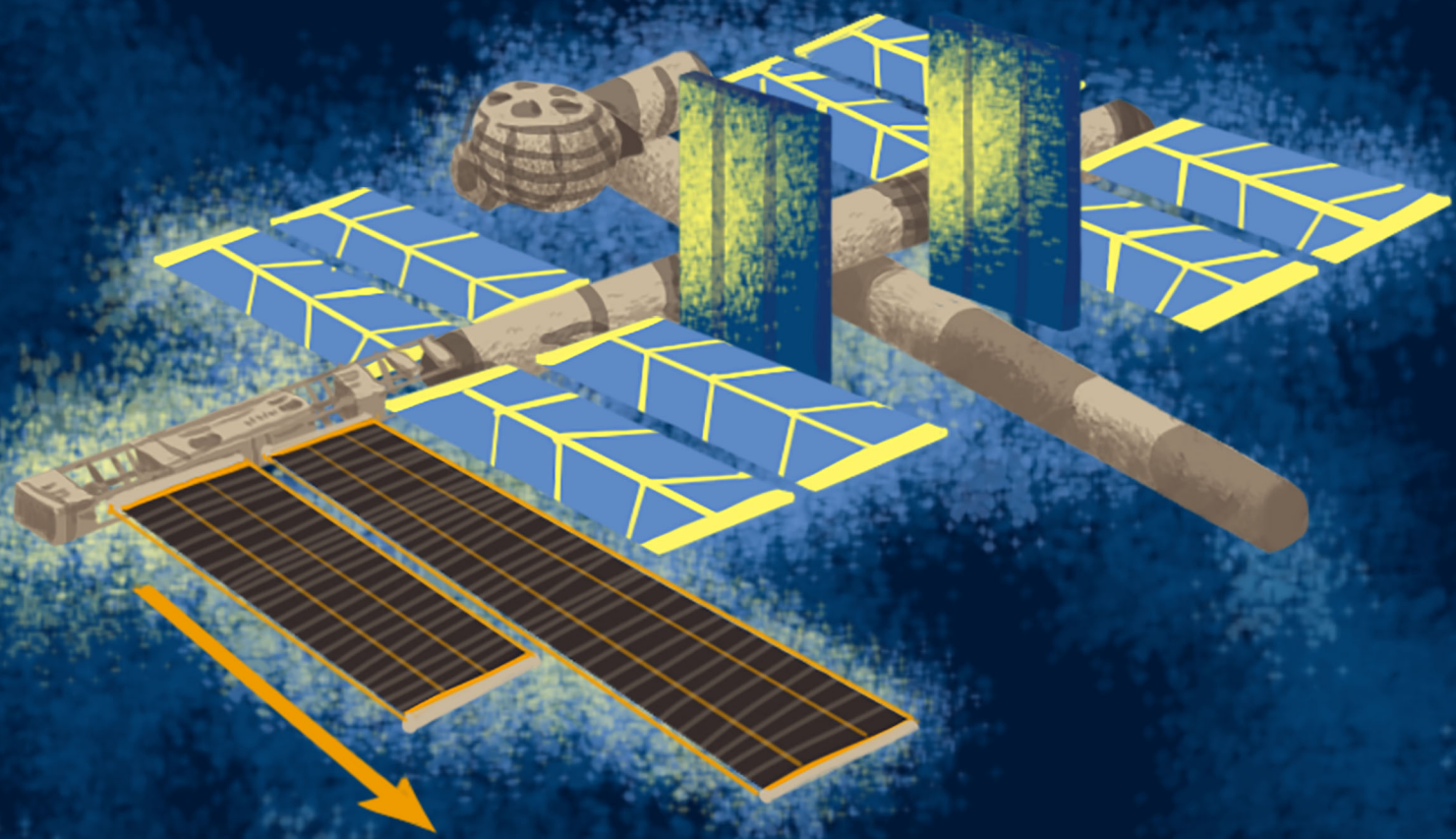


The phenomenon where a substance emits electrons after absorbing photons is called the “photoelectric effect.” A solar panel is a tool that uses the photons of sunlight to generate electricity.

慢

原







Bgurah hnyigan qcinuh biyax hidaw o bitaq bi tduwa mgriq tqiri, lhkah bi ni ini qiya nniqan uri, niqan brihan dmuuy biyax hidaw.



新型的太陽能板甚至是捲動式的，更輕更不佔空間，更能有效利用太陽能。



A new type of solar panels can even be rolled up. They are lighter and take up less space so they can more effectively capture solar energy.







Lmnglung ka Civas ni Lihang, tduwa ta dmuuy rdax hidaw ni knlxan hidaw uri, pdngu mhidaw qsurux, kiya ka mtduwa dsun daka srwanan da.



吉娃斯和里昂想到，他們也可以好好利用太陽的光和熱，把魚曬乾，就可以帶到太空站了。



Giwas and Leon remembered that they can utilize the light and heat of the sun's energy to dry the fish so they can take it to the space station.

慢

原







Kiya ka kiya ni bitaq saw knuwan mhidaw hug?



可是到底要曬多久呢？



But, how long does it take to dry a fish in the sun?

慢

原







Aji bi msleexan ka hmjiyal paru bi btunux, kiya ka kiya ni rmngaw ka Si Masagaz, aji saw nii mhidaw ka qsurux msa.



好不容易才找到的大石頭，si Masagaz 卻說，魚不是這樣曬的。



They finally found a big enough stone to place the fish, but si Masagaz said that' s not how to sun dry a fish.







Pdungan seejiq Tao ka qsurux skaya, endaan saw nii o ida bi aji 100 hngkawas nanak. Mnhdu smmalu qsurux skaya do rsuhan dha paru dmux cimu. Dmuuy mnkala biyax mrmux qsurux skaya ka biyax mrmux cimu, kika pnnais bi mdngu ka qsurux skaya.



達悟族人曬飛魚已經有不只一百年的歷史。處理好的飛魚抹上粗鹽，利用鹽的滲透壓大於飛魚的滲透壓，可以讓飛魚乾得更快。



Tao people have been drying flying fish in the sun for over a hundred years. Once they have prepared the fish, they cover it with coarse salt. The osmotic pressure of salt is greater than that of the fish, so this makes the fish dry even faster.

慢

原







Qsurux skaya ni kndsan seejiq Tao o mgdhug bi pnegluban dha. Ana smpgan jiyax o ida saw iyax jiyax eiyah qsurux o tmqsurux qsurux skaya kana.



達悟族人的生活與飛魚密切相關，就連曆法也都是照著飛魚的汛期來作息。



The lives of the Tao people are closely connected with flying fish, so even their calendar and periods of work and rest are determined by the flying fish season.

慢

原



RAYON
MIVANWA
召魚祭



四月





Srnabaw siida, kika Rayon (jiyax pnskarat qsurux skaya), seejiq Tao o plealay muda msapuh Mivanwa (smapuh mlawa qsurux), mlawa kmeaguh mlawa qsurux skaya. Babaw na do keeman na siida prajing musa tmqsurux qsurux skaya da, bitaq spat idas kika mtduwa tmqsurux jiyam da.



春天的時候，是 Rayon（飛魚季），達悟族會先舉行 Mivanwa（招魚祭）召請飛魚來，然後就開始了夜捕飛魚，一直到四月才可以在白天捕魚。



During the spring, it is Rayon (flying fish season) and the Tao people hold Mivanwa (the fish festival) to invite the arrival of the flying fish. Then, they begin to catch flying fish at night until April when they can resume fishing during the day.

慢

原



ТЕУТЕУКА





Prajing ka Rayon babaw na tg5 idas bitaq tg8 idas do muda teyteyka sun (pnskarat tmqsurux gsilung). Jiyax nii o wana bi mtduwa psrahug kana klgan qsurux rahuq na qsurux skaya, psngayun ni prnaun ka qsurux skaya.



Rayon 開始後的第五個月到第八個月是 teyteyka (海上魚撈的季節)，這個時候只能捕捉飛魚以外的魚種，讓飛魚休養生息。



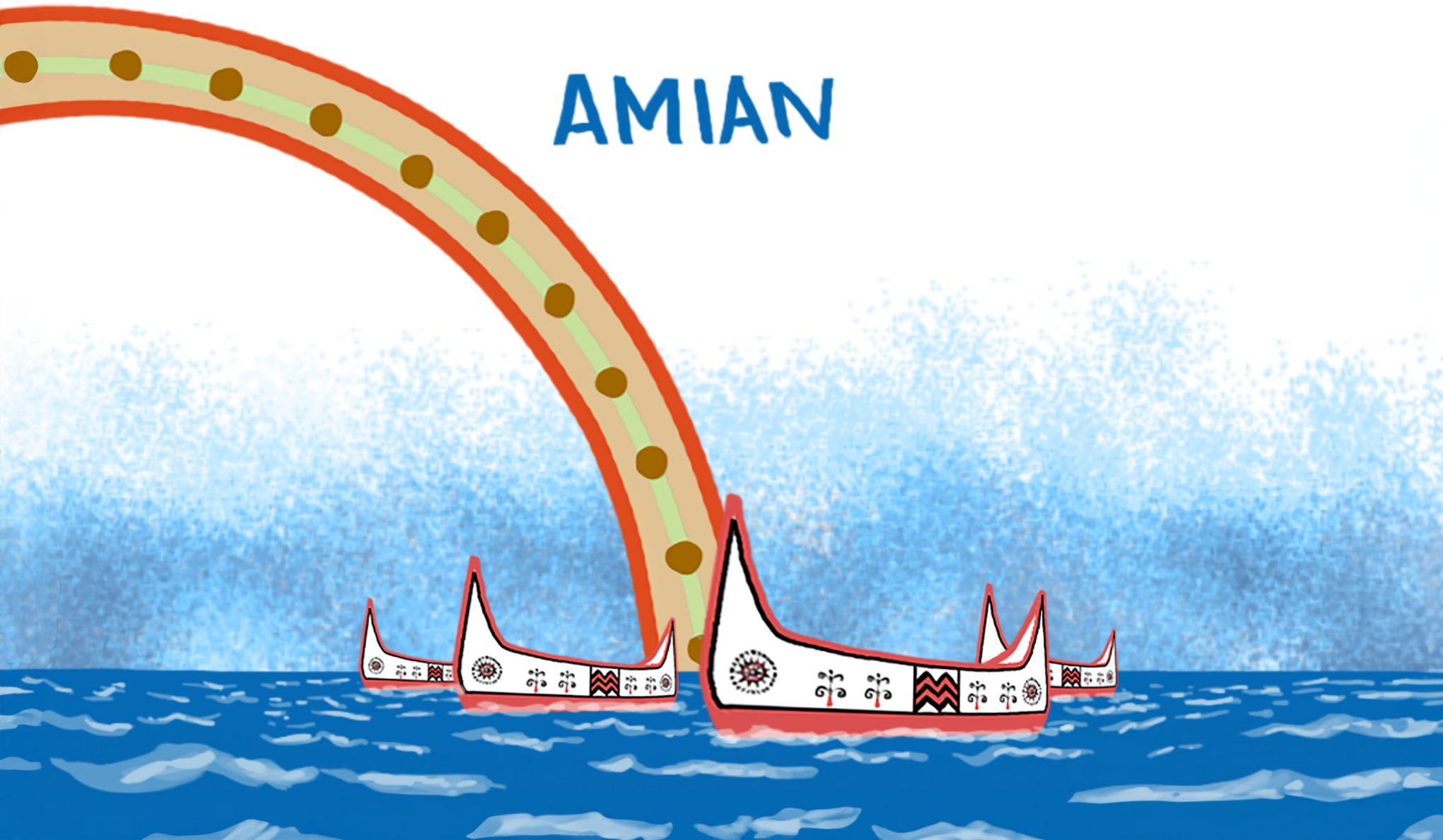
From the fifth to the eighth months after the start of Rayon, it is Teyteyka (the season of fishing on the ocean). During this time, they can only catch fish other than flying fish to give flying fish a chance to recover.

慢

原



AMIAN





Prajing tg9 idas do muda amian (pnskarat tmaga qsurux skaya). Seejiq Tao o muda Manoyotoyon (msapuh nhdaan mkan qsurux skaya) sun. Paah nii siida, ana dnguan qsurux skaya o ini tduwa uqun kana, saw nii kika mha mgkala malu thngay nngalan ka hkawas.



第九個月開始是 amian (等待飛魚的季節)，達悟族人會舉辦 Manoyotoyon (飛魚終食祭)，從這時開始，連飛魚乾也都不能吃了，這樣明年才會有更好的豐收。



Starting with the ninth month, it is Amian (the season of waiting for flying fish). The Tao people hold the Manoyotoyon (festival of finishing the flying fish). From this point on, they cannot eat anymore dried flying fish to ensure that they will have another full harvest in the coming year.

慢

原



RAYON
MIYVANWA
召魚祭



TEYTEYKA
夏天



MANOYOTOYON
飛魚終食節





Saw nii o “spgan jiyax keeman qsurux skaya” sun seejiq Tao.



這就是達悟族「飛魚的夜曆」。



This is the Tao people’ s “Flying Fish Calendar.”







Si Masagaz o bitaq mnhdw mhidaw ka mdngu qsurux skaya. Tduwa madas mdngu qsurux skaya peekan na Peydang, qsurux kuyuh ka nii, asi hngjihan ni ekan da!



等到si Masagaz 把飛魚乾曬好, 就可以帶飛魚乾給飛卉吃, 這條女人魚就先煮湯吃了吧!



When si Masagaz is finished drying his flying fish in the sun, they can bring the dried flying fish to Behuy at the space station. But, it's best to make fish soup with this women's fish now!

慢

原







Hngdan ha Si Mazngang ka bgu qsurux.



si Mazngang 替大家煮好魚湯。



si Mazngang makes a fish soup for everyone.







Shiya bi mahan ka bgu qsurux bgurah bi nii!



新鮮的魚湯真是太好喝了！

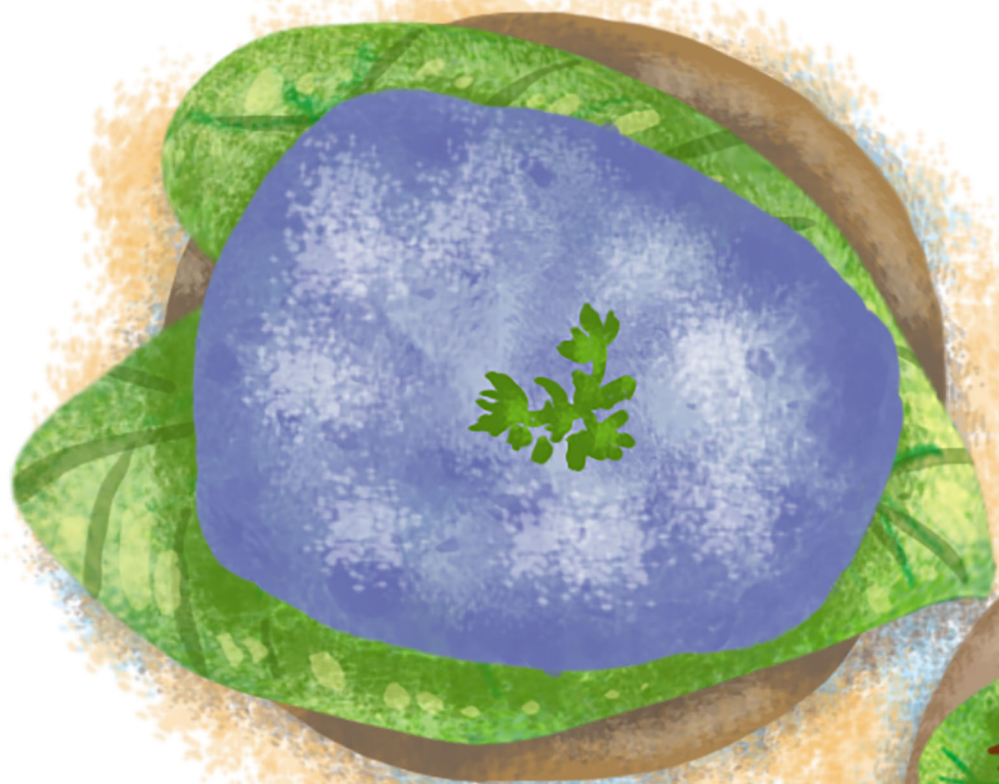


The fresh fish soup is so delicious!

慢

原







Aji wana hmangut bgu qsurx klaun mu msa rmngaw ka Si Mazngang, hlama sari ni psealu karang ka klaun mu uri.

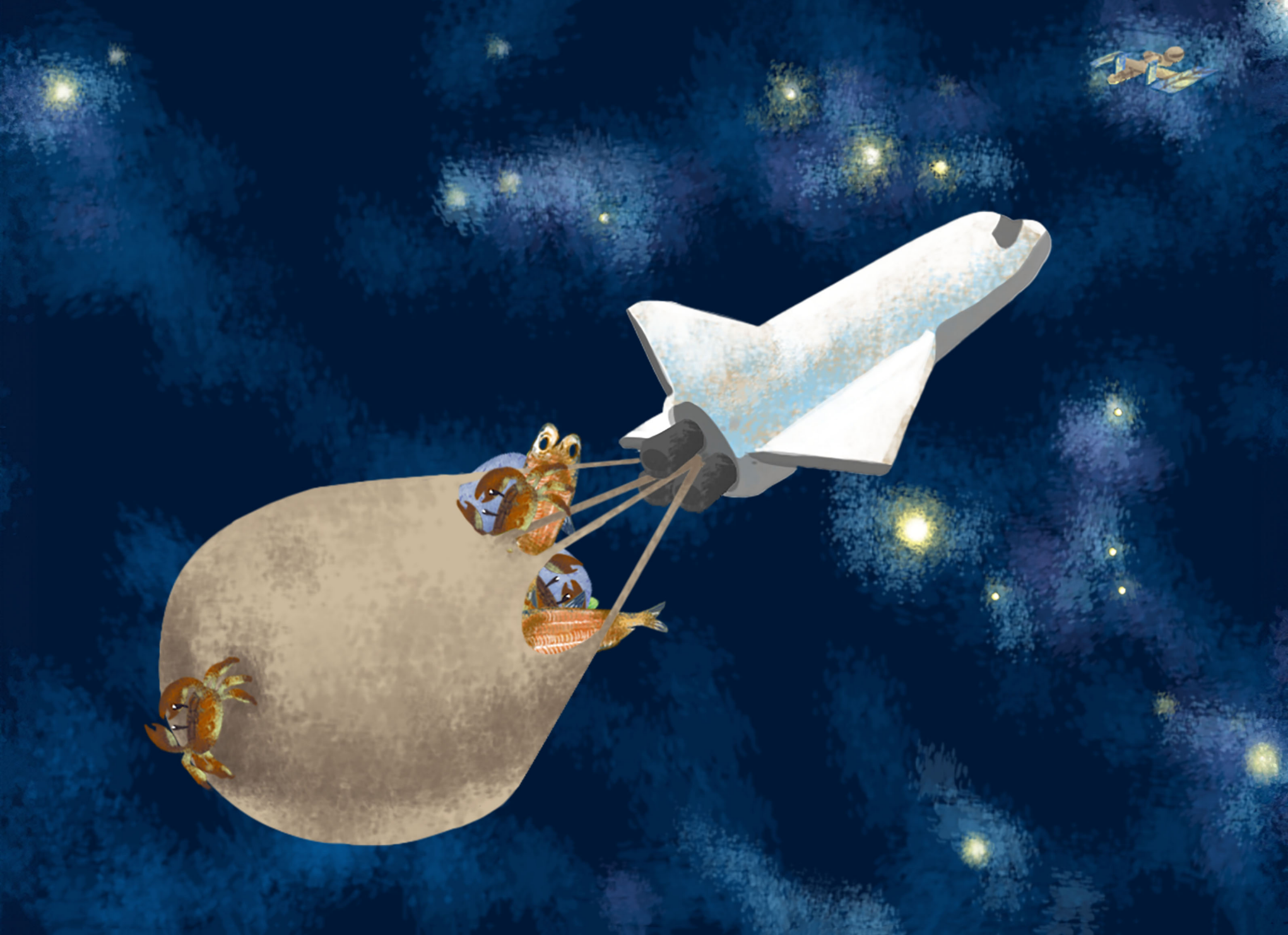


si Mazngang 說她的拿手料理除了魚湯，還有芋頭糕和蒸陸蟹。



si Mazngang says in addition to fish soup, her specialties also include mashed taro and steamed crab.







Wada na slhayan kana ka Ciwas, knshiya uqun seejiq Tao o dsun na daka srwanan kana peekan na Peydang, tai saw mllabu mdka pngpung dgiyaq ka kntngian qnqan na!



吉娃斯要全部學起來，她要把達悟族的美食通通帶回太空站，讓飛奔吃得肚子鼓起來像是一座小山！



Giwas wants to learn how to make all of those things to bring Tao culinary traditions back to the space station so Behuy can eat so much delicious food his belly sticks out!

慢

原



一般單詞

| 中文 | 詞性 | 族語 |
|-----|-----|-----------------------|
| 飛魚季 | 名詞 | pnskarat qsurux skaya |
| 飛魚 | 名詞 | qsurux skaya |
| 展開 | 動詞 | mtrawah |
| 返航 | 動詞 | embrinah peapa asu |
| 魚鱗 | 名詞 | kdkat qsurux |
| 魚乾 | 名詞 | mdngu qsurux |
| 頭頂 | 名詞 | babaw tunux |
| 保存 | 動詞 | pnsxalan |
| 有效的 | 形容詞 | niqan brihan |
| 曬乾 | 動詞 | pdngu mhidaw |
| 汛期 | 名詞 | iyax jiyax eiyah |
| 招魚祭 | 名詞 | smapuh mlawa qsurux |
| 休養 | 動詞 | psngayun |
| 夜曆 | 名詞 | spgan jiyax keeman |
| 芋頭糕 | 名詞 | hlama sari |

| 中文 | 詞性 | 族語 |
|------|----|--------------------|
| 趨光性 | 名詞 | mhraw rdax |
| 滑翔 | 動詞 | skaya psdhriq |
| 太陽能板 | 名詞 | qcinuh biyax hidaw |
| 物質 | 名詞 | qngqaya |
| 光子 | 名詞 | liwaq rdax |
| 光電效應 | 名詞 | bnrihan rdax samaw |
| 滲透壓 | 名詞 | biyax mrmux |



科學單詞

吉娃斯愛科學 太魯閣族語

第03集 飛魚的夜曆

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計畫名稱 「發現天生科學家：原住民族文化科學學習實踐與發展十年計畫」（第二階段第二年）

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