大冒险之
Rosie & Gibbs
迷途企鹅
历险记2: 冰中探测器
2018年五月号
经过长途跋涉，罗茜和吉布斯累得睡着了。

罗茜，醒醒！

我看见人了！

哎呀妈呀有点冷，

让我们进ICL！

哈哈！

尼娅，你真逗。

冬应，醒醒！

我看见人了！

哎呀妈呀呀谁呀？

哎呀妈呀呀谁呀

我看见人了！

哎呀妈呀呀谁呀？

哎呀妈呀呀谁呀？
THE VIEW WAS SPECTACULAR, BUT IT WAS A LONG WAY DOWN!

ROSIE AND GIBBS FELT TOTALLY COOL IN THEIR NEW WINTEROVER GEAR.

I'LL DIG AND FIND THE TELESCOPE!

WHAT A BRAVE AND SILLY PENGUIN.

SEE THAT BLUE LIGHT?

IT'S PRODUCED WHEN A TINY PARTICLE CALLED A NEUTRINO INTERACTS WITH THE ICE.

ROSIE, WHAT WERE YOU DOING?

BEAUTIFUL! I COULD WATCH THIS ALL DAY.

DON'T WORRY, ROSIE. WE CAN HELP YOU OUT!

DIFFICULT, RIGHT? INFARATE IS ALMOST 2 KM DEEP! THANKS, EVERYONE.

I DIDN'T REALIZE HOW BIG THIS DETECTOR WAS!

...ANY CHANCE WE CAN GET THAT AWESOME SOUTH POLE GEAR, TOO?

YES! TRY THESE SPECIAL GOGGLES AS WELL. THEY LET YOU SEE BELOW THE ICE.

LOOK DOWN AT THE DETECTOR! LOOKIN' GOOD!

THIS IS SO COOL!!!

REALLY? I THINK IT'S SUPER WARM...

WOW! THIS THING IS MASSIVE!

THIS IS ICECUBE: A CUBIC KILOMETER OF ICE FILLED WITH OVER 5,000 LIGHT SENSORS.

SWITCH YOUR GOGGLES TO DISPLAY VIEW. AWESOME, RIGHT?

THAT'S HOW WE SHOW A NEUTRINO EVENT.

MAYBE YOU SHOULD BECOME AN ICECUBER, TOO.

SOUNDS LIKE A PLAN! BUT OUR FIRST PENGUIN ICECUBERS WILL NEED SOME TRAINING TO SURVIVE AT THE SOUTH POLE.
罗茜的发现

越冬者
越冬者是一群在南极大过漫长而黑暗的冬季的人。二月到十月是南极洲的冬季，飞机不能降落到极点上，越冬者们完全与世隔绝。

冰立方实验室（ICL）
ICL是冰立方唯一可见的结构，因为探测器被掩埋在了冰层之下。它里面有装有成架的用来全时收集数据的计算机。

探测器
冰立方探测器包含了一个阵列的被叫做DOM的光传感器。它们被装在86根电缆上，分散在一立方千米的冰中。所以，“冰”+“立方”是一个很合适的名字。

中微子
中微子是一种在宇宙中穿梭的极小的粒子。它们很像光，却可以穿过整个地球！中微子又被叫做幽灵粒子，因为它们很难被捕捉到。

中微子事例
科学家们用这种多彩的图像来展示一个中微子和冰在冰立方里面或者附近作用的结果。红色表明最先看到的光，绿色和蓝色表示后来看到的光。圆圈的大小告诉我们多少能量被探测到了。

IceCuber
如果你在冰立方工作，无论是不是一位科学家，你都是一个IceCuber。我为成为团队里第一只企鹅而感到兴奋！