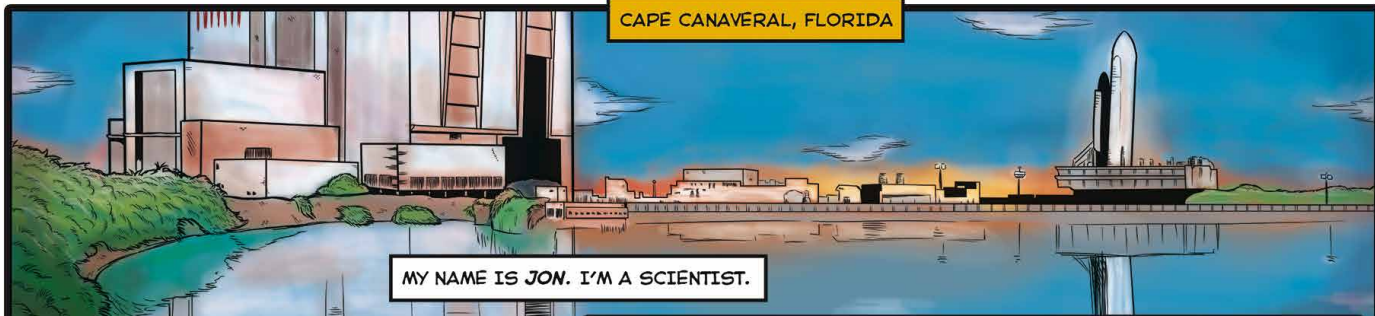


CAPE CANAVERAL, FLORIDA



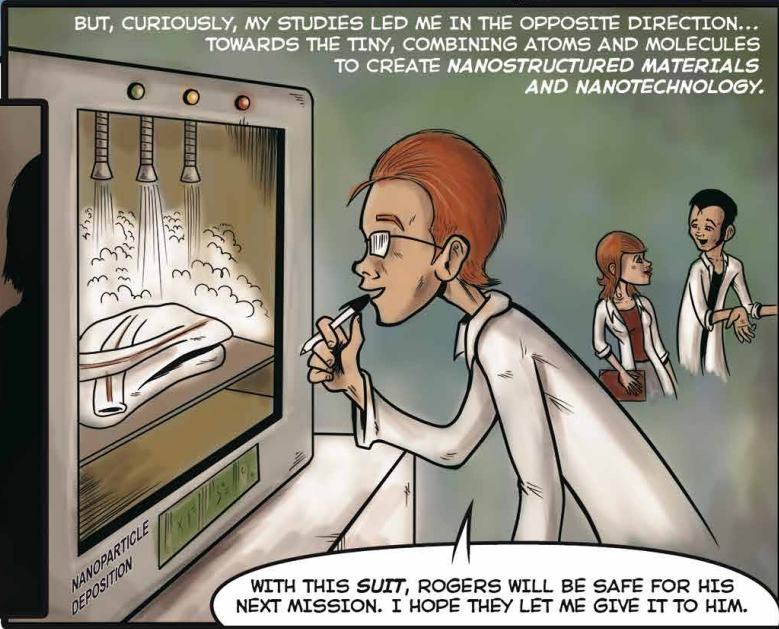
MY NAME IS JON. I'M A SCIENTIST.

I SPENT MY CHILDHOOD THINKING OF THE UNIVERSE AND HOW INFINITELY LARGE IT IS.

BUT, CURIOUSLY, MY STUDIES LED ME IN THE OPPOSITE DIRECTION... TOWARDS THE TINY, COMBINING ATOMS AND MOLECULES TO CREATE NANOSTRUCTURED MATERIALS AND NANOTECHNOLOGY.



MOM, DO YOU THINK I'LL BE AN ASTRONAUT ONE DAY?



WITH THIS SUIT, ROGERS WILL BE SAFE FOR HIS NEXT MISSION. I HOPE THEY LET ME GIVE IT TO HIM.



HOW COOL! IT TOOK MY BLOOD, SWEAT AND TEARS TO GET A TICKET TO SEE THE LAUNCH, BUT IT WAS WORTH IT. I'VE ALWAYS DREAMT ABOUT BEING HERE AND MEETING MY IDOL!

OH, HOW NICE.



CAPTAIN CHRIS ROGERS!



ROGERS! I'M JON! I'VE WRITTEN YOU HUNDREDS OF LETTERS! I HAVE THE SUIT I WAS TELLING YOU ABOUT...

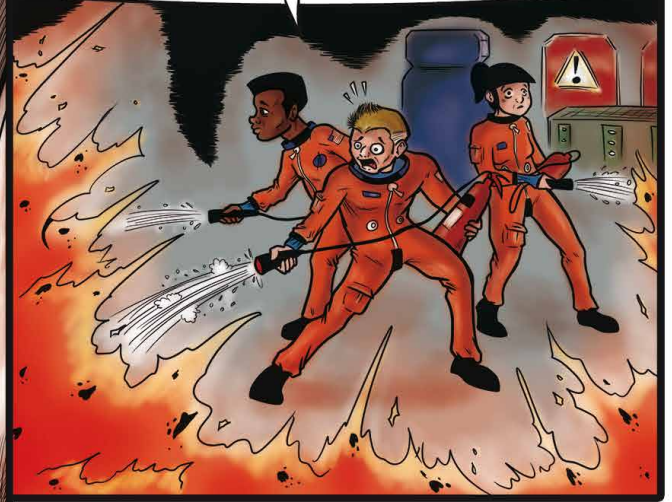
?

MISTER FLAMES SCRIPT: AMAIA ARREGI & ITZIAR OTEGUI DRAWINGS: JOSÉ SÉNDER

THE AUTOMATIC SEQUENCE HAS BEGUN. T MINUS 15 SECONDS. HEY, WAIT A MOMENT... IT SEEMS THAT ONE OF THE REACTORS IS OVERHEATING... OH, NO!



CONTROL! THE CONTROL ROOM IS ON FIRE! THE FIRE EXTINGUISHERS ARE NOT ENOUGH, AND WE CAN'T MAKE IT TO THE DOOR! IF THE FIRE MAKES ITS WAY TO THE FUELTANKS... HELP!



THE LAUNCH SEQUENCE HAS ALREADY STARTED, WE CAN'T STOP IT! CLEAR THE STANDS!

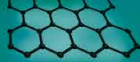


IF HE HAD MY SUIT WITH HIM, HE'D BE ABLE TO GET OUT EASILY.

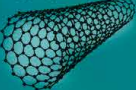


SOME NANOSTRUCTURES

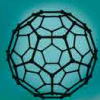
GRAPHENE



A NANOTUBE



FULLERENE



MY SUIT IS COVERED IN NANOPARTICLES THAT EMIT NITROGEN WHEN THEY HEAT UP AND DISPLACE OXYGEN FROM THE ENVIRONMENT, KEEPING ME FROM GETTING BURNED.

HIGH TEMPERATURES

FLAMMABLE AREA



LAYER WITH NANOPARTICLES

N_2

NON-FLAMMABLE AREA



SUIT SURFACE

SO, IF YOUR SUIT IS SO COOL, WHY DON'T YOU PUT IT ON AND GIVE THEM A HAND?



HEY! MY GLASSES!



OK, IT'S TIME TO SHOW THEM WHAT I CAN DO!



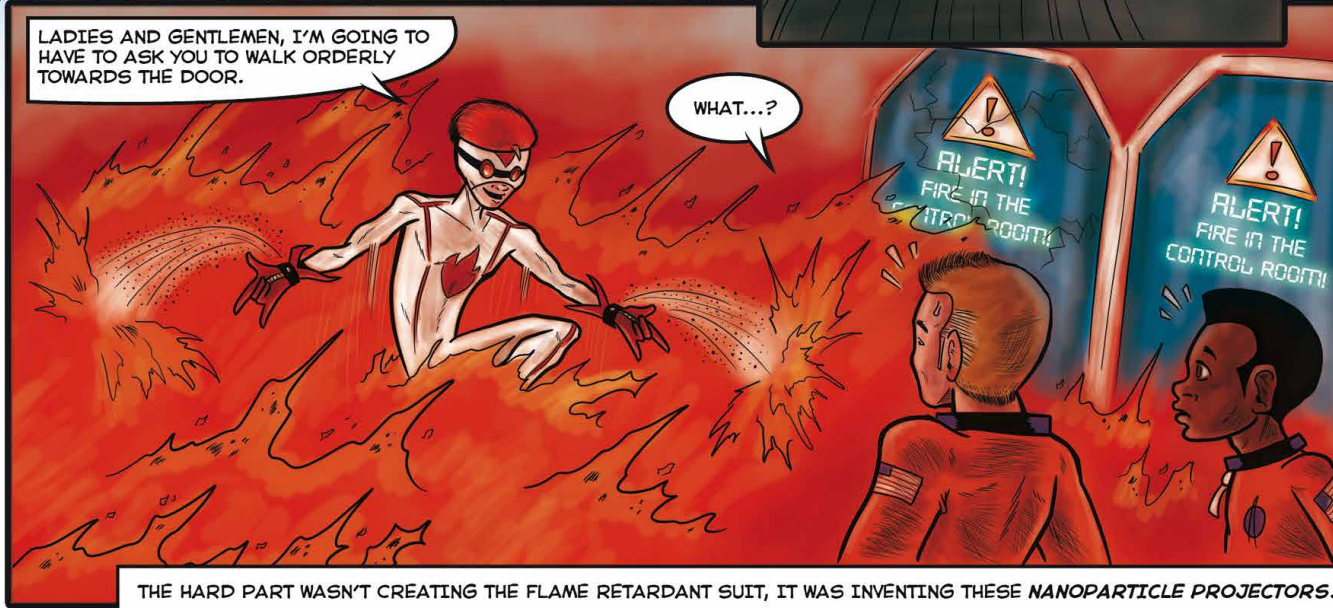
HEY! GET OUT OF THE WAY, KID! IT'S DANGEROUS!



I'M SORRY FRIEND! I HAVE NO TIME TO ARGUE!



PLEASE! MAKE THIS WORK!



LADIES AND GENTLEMEN, I'M GOING TO HAVE TO ASK YOU TO WALK ORDERLY TOWARDS THE DOOR.

WHAT...?

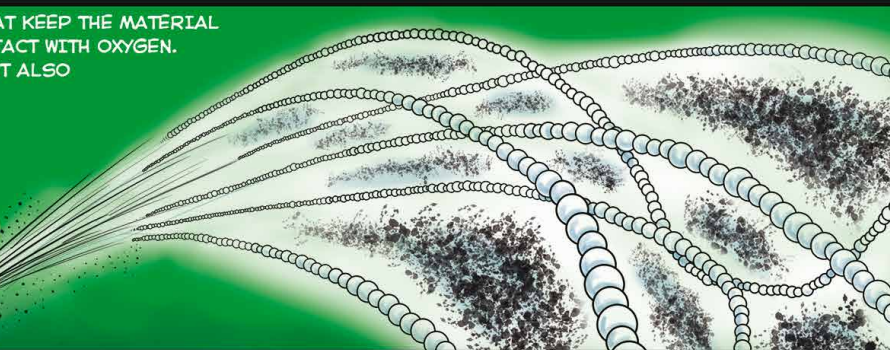
THE HARD PART WASN'T CREATING THE FLAME RETARDANT SUIT, IT WAS INVENTING THESE *NANOPARTICLE PROJECTORS*.



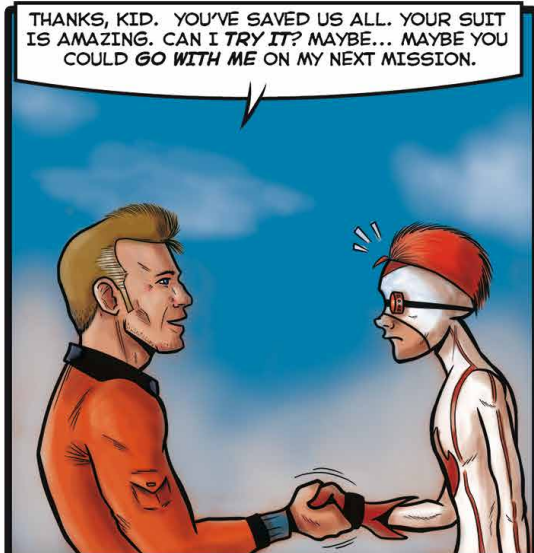
HOW DID YOU DO THAT?

IT'S A SECRET OF THE TRADE.

THE FOAM HAS SILICA NANOPARTICLES THAT KEEP THE MATERIAL THAT IS BURNING FROM COMING INTO CONTACT WITH OXYGEN. IT NOT ONLY EXTINGUISHES THE FIRE, BUT IT ALSO PREVENTS IT FROM SPREADING AGAIN THANKS TO THE HEAT RESISTANCE (UP TO 1000°C) OF THE CERAMIC LAYER THAT IS FORMED ON THE SURFACE.



SAVED!



THANKS, KID. YOU'VE SAVED US ALL. YOUR SUIT IS AMAZING. CAN I TRY IT? MAYBE... MAYBE YOU COULD GO WITH ME ON MY NEXT MISSION.



I'LL TAKE YOUR WORD, CAPTAIN. SOME DAY I'LL BE UP THERE. BUT RIGHT NOW, WE NEED A LOT MORE...

MISTER FLAMES

HMMM. I THINK I SHOULD WORK MORE ON THE NAME.

JS
2017