




PREPAREDNESS 101:

# Zombie Pandemic



U.S. Department of  
Health and Human Services  
Centers for Disease  
Control and Prevention





I GET TO PICK THE **NEXT** MOVIE! THAT ONE'S GOING TO GIVE ME **NIGHTMARES**.

OH YOU'RE SUCH A **BABY**, IT WASN'T **THAT** SCARY. YOU KNOW THAT KIND OF STUFF WOULD NEVER **REALLY** HAPPEN.

WRITTEN BY **MAGGIE SILVER**

ART DIRECTION BY **JAMES ARCHER**

PENCILLED AND INKED BY **BOB HOBBS**

DIGITAL COLOR BY **ALISSA ECKERT**

LETTERING & LAYOUT BY **MARK CONNER**

SPECIAL THANKS TO **DAVE DAIGLE & JAMIE FELZER**



WELL I'M GOING TO **TRY** AND GET SOME **SLEEP**...

DON'T STAY UP **TOO LATE**.

ALRIGHT, MAX AND I WILL BE ON THE LOOKOUT FOR THE **BOOGEYMAN**, HA HA

STAY TUNED FOR CHANNEL 2 **NIGHTLY NEWS**.



VERY FUNNY.

The End

**CLICK**



IN OTHER NEWS, SEVERAL PEOPLE HAVE BEEN HOSPITALIZED AFTER A STRANGE VIRUS BEGAN SPREADING RAPIDLY THROUGH THE SOUTHEAST...



HUH?!

SCIENTISTS HAVEN'T IDENTIFIED THE VIRUS YET, BUT SYMPTOMS INCLUDE SLOW MOVEMENT, SLURRED SPEECH, AND VIOLENT TENDENCIES...

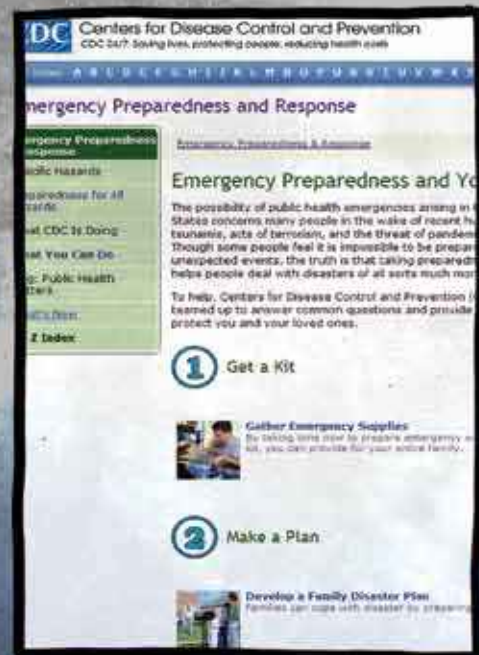
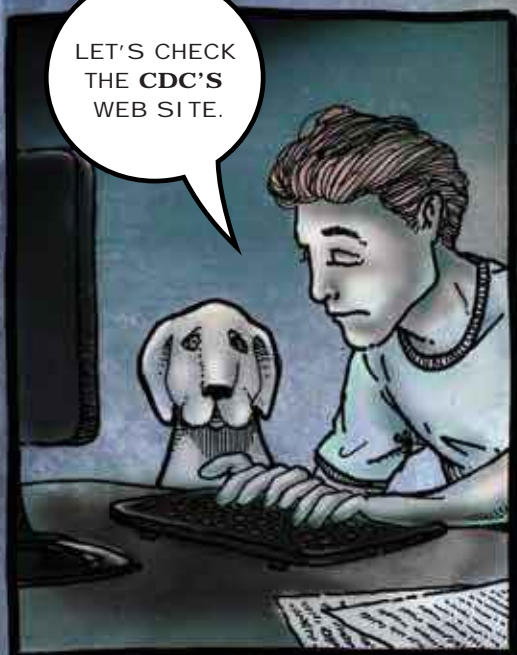
THE CENTERS FOR DISEASE CONTROL AND PREVENTION IS RECOMMENDING THAT PEOPLE DISTANCE THEMSELVES FROM ANYONE DISPLAYING THESE SYMPTOMS.

THEY ARE ALSO RECOMMENDING FAMILIES GATHER EMERGENCY SUPPLIES AND MAKE PLANS IN CASE THEY ARE ASKED TO EVACUATE...



EMERGENCY SUPPLIES, EVACUATION... WHAT'S GOING ON MAX?

YOU CAN GET MORE INFORMATION AT [EMERGENCY.CDC.GOV](http://EMERGENCY.CDC.GOV).



NEXT, THE PAIR GO DOWN TO THE BASEMENT.

MAN I FORGOT I HAD THIS. IT USED TO BE MY DAD'S.

HE WAS ALWAYS LISTENING TO THE WEATHER REPORT WHEN STORMS CAME THROUGH. GUESS WE'LL ADD IT TO THE SUPPLIES!

WELL IT LOOKS LIKE WE'VE GOT ALMOST EVERYTHING, MAX... WATER, FOOD, RADIO, FLASHLIGHT...

- Water
- Food
- Flashlight
- Battery-powered or hand-crank radio
- Extra batteries
- First aid kit
- Medications and medical items
- Multi-purpose tool
- Sanitation and personal hygiene items
- Copies of personal documents
- Cell phone with chargers
- Family and emergency contact information
- Extra cash
- Emergency blanket
- Map(s) of the area
- Medical supplies (hearing aids with extra batteries, glasses, contact lenses, syringes, cane)
- Baby supplies (bottles, formula, baby food, diapers)
- Games and activities for children
- Pet supplies (collar, leash, ID, food, carrier, bowl)
- Extra set of car keys and house keys
- Manual can opener
- Medical masks

OH YEAH, BUDDY. I GUESS I NEED TO ADD SOME OF YOUR STUFF TOO.

URRRUFF!

DOG FOOD

OH YEAH, BUDDY. I GUESS I NEED TO ADD SOME OF YOUR STUFF TOO.



WELL THAT SHOULD DO IT...



LET'S SEE IF THERE HAVE BEEN ANY NEW DEVELOPMENTS.



THUMP!

WOW, MAX... LOOKS LIKE THEY'RE EVERYWHERE!



HUH?!

HUH?!



MAYBE WE SHOULD TAKE A **BREAK** FROM THE HORROR MOVIES MAX, I'M ACTING LIKE JULIE, JUMPING AT EVERY LITTLE **NOISE**.



MEEEEOOOOO WWR!

GRRRRR...

WHAT IN THE...??





LET'S SEE WHAT ALL THE RACKET IS ABOUT.



MEOOOWWWWRRR!!!

SNOWBALL, WHAT ARE YOU DOING?



PPFFTT!

RRRRRRR!



DID MRS. CLEMENTS LET YOU OUT AGAIN? YOU KNOW YOU'RE NOT SUPPOSED TO RUN OFF LIKE THAT.

MAX, LEAVE SNOWBALL ALONE!



RRRR!



JUST THEN THE DULL SOUND OF SHUFFLING AND MOANING CAN BE HEARD FROM OUTSIDE.

NOW WHAT?



UUURRRR!



HELLO... ?



UH... MRS. CLEMENTS ...?



UH...  
MRS.  
CLEMENTS  
YOU DON'T  
LOOK SO  
GOOD.

MAYBE YOU SHOULD  
GO **LIE DOWN** AND  
I'LL BRING **SNOWBALL**  
**BACK** FOR YOU.



**AAARGH!**



**MRS. CLEMENTS !!**

**URRR!**

**?!!**

IT'S ME **TODD**, YOUR  
**NEIGHBOR!!** YOU REALLY  
DON'T LOOK WELL!!  
WHY DON'T YOU GO  
**BACK HOME...**

...AND I'LL BRING  
**SNOWBALL** BY IN THE  
**MORNING!**



**RROWWR!!**

OKAY, MAYBE  
NOT...!



**URRK!**

**AAH!!**

**GRRR!!**



GARR!

LET GO!



URP!

LATER,  
MRS. CLEMENTS!



SLAM!

WHAT IN THE WORLD  
IS GOING ON  
DOWN THERE?



URRRM!  
GRR..GLURP..!

TODD...?



SOMETHING  
WEIRD IS  
HAPPENING!



I'M PRETTY  
SURE MRS.  
CLEMENTS  
WAS TRYING  
TO **ATTACK**  
HER OWN  
CAT, AND  
SHE JUST  
NEARLY  
GOT ME!

NO, I'M **SERIOUS**  
THERE'S A WEIRD  
VIRUS GOING AROUND,  
LOOK AT THE **NEWS** ...



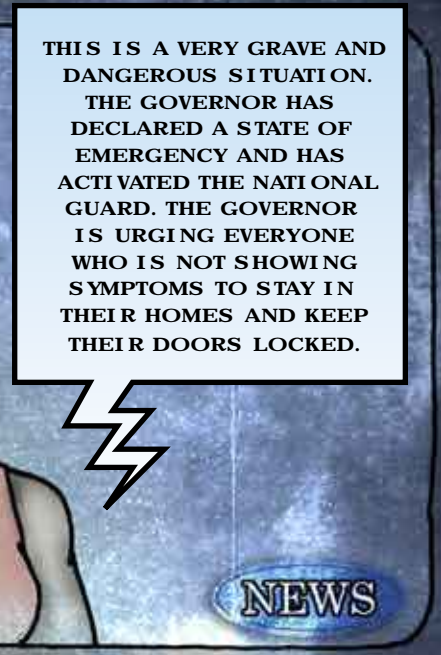
WHAT ON  
EARTH ARE  
YOU **TALKING**  
ABOUT? MRS.  
CLEMENTS IS  
A **SWEET** OLD  
LADY. SHE  
WOULDN'T  
HURT A **FLY**.  
I THINK YOU  
GOT A LITTLE  
**TOO** INTO  
THAT **MOVI E**.



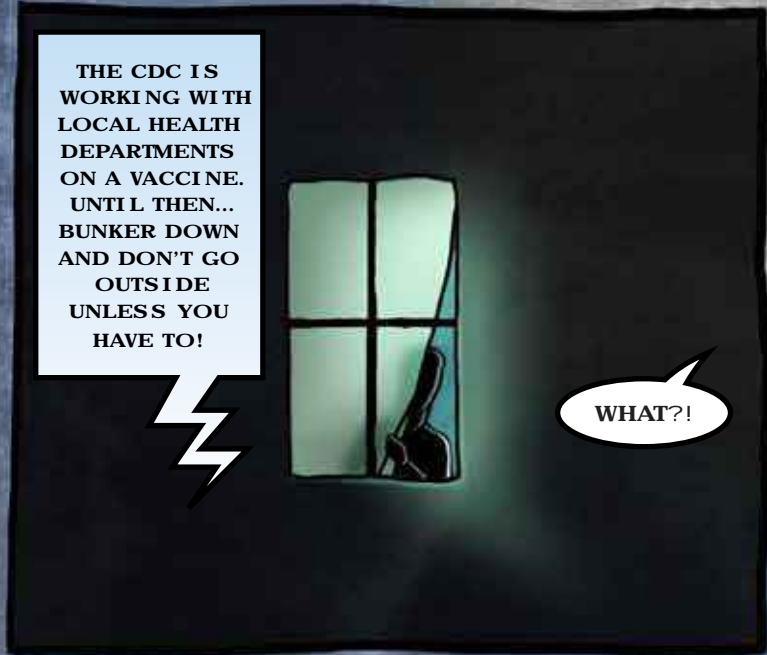


QUARANTINE EFFORTS HERE IN RALEIGH HAVEN'T DONE MUCH TO CONTAIN THE SPREAD OF THE VIRUS. OVER HALF THE CITY IS NOW INFECTED AND NEW CASES ARE SHOWING UP THROUGHOUT THE SOUTHEAST.

BACK TO YOU IN THE STUDIO SAMANTHA.



THIS IS A VERY GRAVE AND DANGEROUS SITUATION. THE GOVERNOR HAS DECLARED A STATE OF EMERGENCY AND HAS ACTIVATED THE NATIONAL GUARD. THE GOVERNOR IS URGING EVERYONE WHO IS NOT SHOWING SYMPTOMS TO STAY IN THEIR HOMES AND KEEP THEIR DOORS LOCKED.



THE CDC IS WORKING WITH LOCAL HEALTH DEPARTMENTS ON A VACCINE. UNTIL THEN... BUNKER DOWN AND DON'T GO OUTSIDE UNLESS YOU HAVE TO!

WHAT?!



I THOUGHT YOU SAID STUFF LIKE THIS ONLY HAPPENED IN THE MOVIES! WHAT IS GOING ON TODD?!

I DON'T KNOW BUT IT SOUNDS LIKE WE BETTER SIT TIGHT. MAX AND I GOT SOME SUPPLIES TOGETHER EARLIER.



MAYBE WE SHOULD JUST SLEEP DOWN HERE TONIGHT.

TWEEP!



MINUTES LATER TODD AND JULIE HAVE SET UP SLEEPING BAGS AND TURNED ON THE RADIO.

...WARNINGS HAVE BEEN ISSUED FOR DOZENS OF COUNTIES ABOUT STAYING INSIDE AND AREA HOSPITALS ARE BEING OVERRUN...

OH MY GOSH!





MAX, I THINK WE BETTER TURN ON THE TV...



NOTHING BUT **SNOW**.  
LET'S TRY  
THE RADIO...

UHM.. TODD...  
WHAT'S GOING ON NOW?

STAY IN YOUR HOMES. DO NOT GO OUTSIDE. IF YOU OR YOUR FAMILY BEGIN SHOWING SYMPTOMS SUCH AS SLOWED MOVEMENT, SLURRED SPEECH, OR VIOLENT BEHAVIORS. ISOLATE THEM TO A SECURE AREA OF THE HOUSE. STAY TUNED FOR MORE INFORMATION ON WHERE TO GO... STAY IN YOUR...



!!

TO BE CONTINUED...

PREPAREDNESS 101:

# Zombie Pandemic

PART 2



SEVERAL DAYS LATER AT THE CENTERS FOR DISEASE CONTROL AND PREVENTION IN ATLANTA, GEORGIA...







EMERGING INFECTIOUS  
DISEASES LABORATORY

DR. GREENE. I WAS JUST ON MY WAY TO THE LAB...

AH, DR. CHANG...

HAVE WE ISOLATED THE SAMPLE FROM THE STATE YET?

YES, THE HEALTH DEPARTMENT SENT IT IN MONDAY AND WE'VE MANAGED TO MAP THE VIRUS' DNA...


INTERESTING... DO WE KNOW WHAT THE SOURCE IS?




BEEP!



IT APPEARS TO BE A HIGHLY MUTATED FORM OF THE FLU. THEY'VE LABELED IT Z5N1.



NO SIR... THE FIELD STAFF  
ARE **STILL** TRYING TO INVESTIGATE  
WHERE IT STARTED...

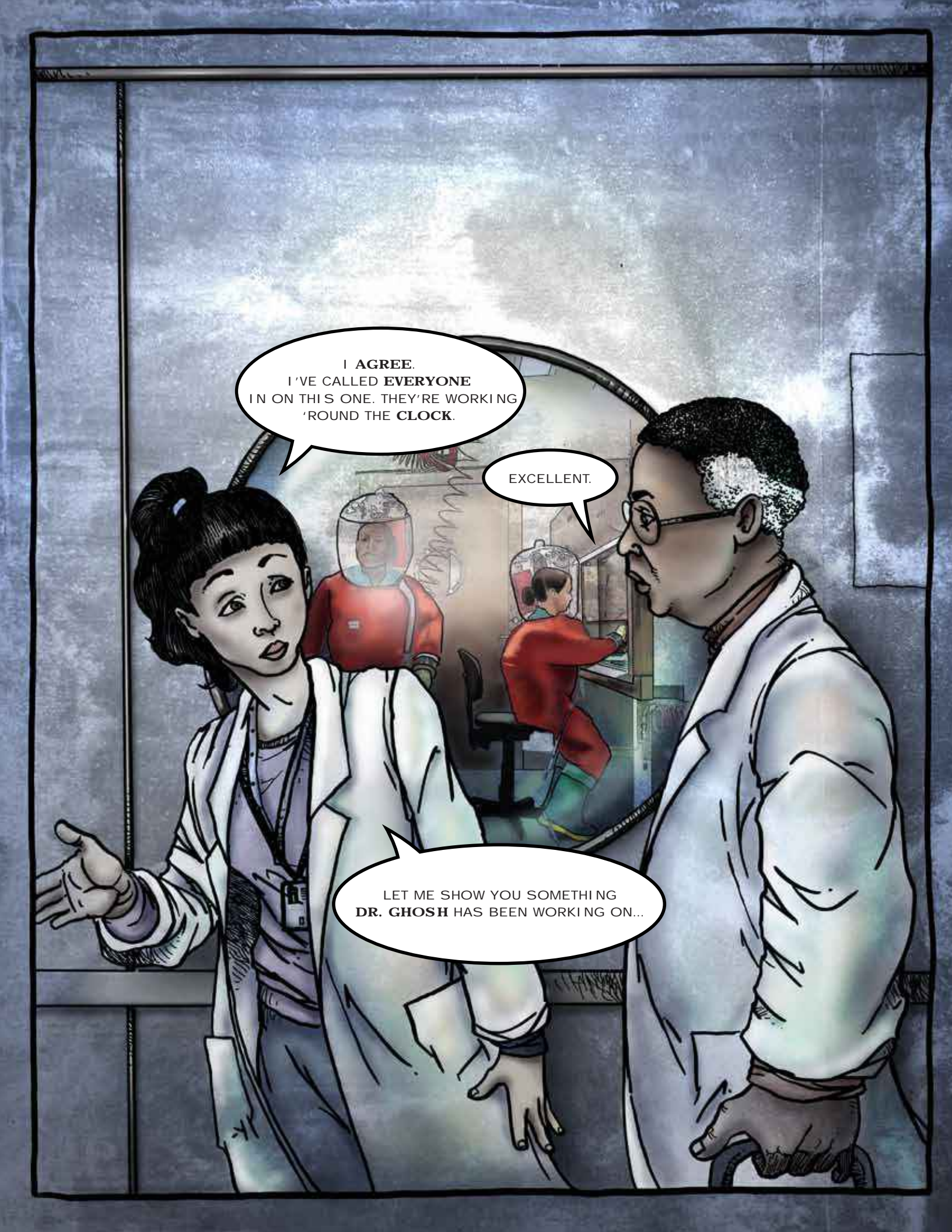


BUT SEVERAL OF **THEM** HAVE  
NOW BECOME INFECTED.

THE ZOMBIE VIRUS  
IS SPREADING  
RAPIDLY INFECTING **21**  
PEOPLE FOR EVERY  
INFECTED PERSON.



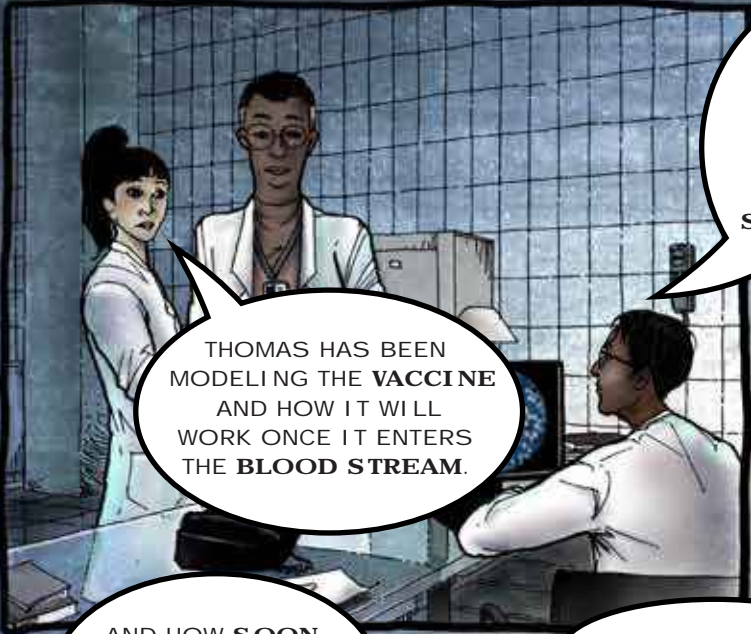
ALL THE **MORE** REASON TO GET  
THIS VACCINE MADE... AND **FAST!**



I AGREE.  
I'VE CALLED **EVERYONE**  
IN ON THIS ONE. THEY'RE WORKING  
'ROUND THE **CLOCK**.

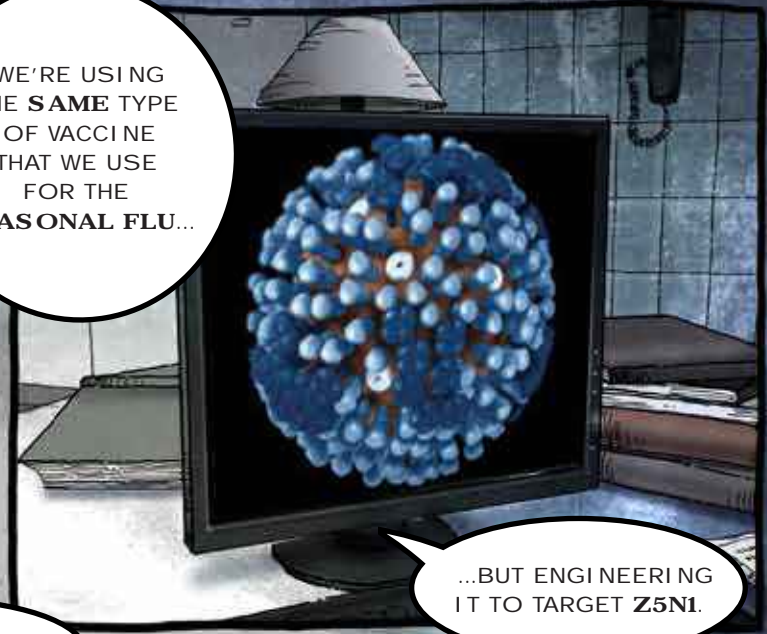
EXCELLENT.

LET ME SHOW YOU SOMETHING  
**DR. GHOSH** HAS BEEN WORKING ON...



THOMAS HAS BEEN MODELING THE **VACCINE** AND HOW IT WILL WORK ONCE IT ENTERS THE **BLOOD STREAM**.

WE'RE USING THE **SAME** TYPE OF VACCINE THAT WE USE FOR THE **SEASONAL FLU**...



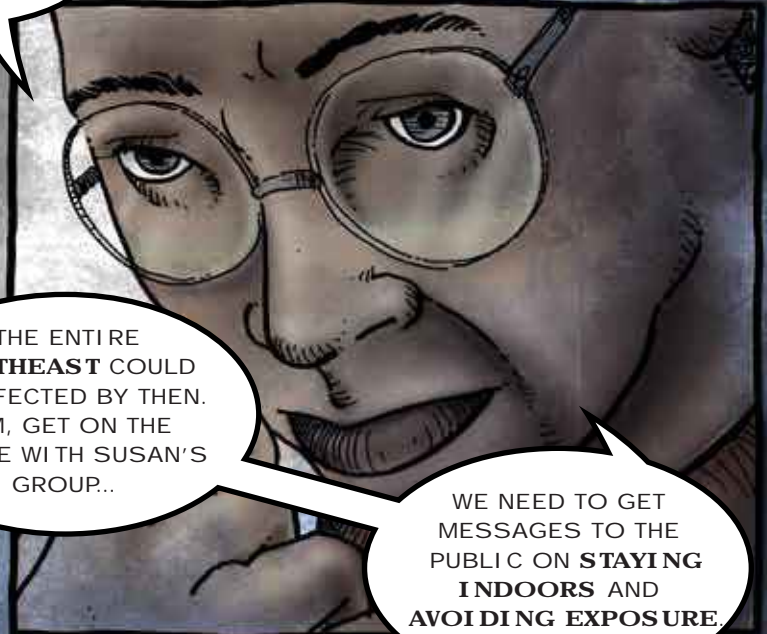
...BUT ENGINEERING IT TO TARGET **Z5N1**.

AND HOW **SOON** WILL WE BE ABLE TO **DISTRIBUTE** THIS VACCINE?

ANOTHER **WEEK**?!!



IT'S GOING TO TAKE AT **LEAST** ANOTHER WEEK TO GET THE FIRST BATCH OUT.



THE ENTIRE **SOUTHEAST** COULD BE INFECTED BY THEN. KIM, GET ON THE PHONE WITH SUSAN'S GROUP...

WE NEED TO GET MESSAGES TO THE PUBLIC ON **STAYING INDOORS** AND **AVOIDING EXPOSURE**.



I'LL GET **RIGHT** ON IT, DR. GREENE.

NO, SIR...

THOMAS, HAVE YOU TALKED TO **STOCKPILE**, YET?



BUT THEY NEED TO START MOVING SUPPLIES OUT TO THE STATES AS **SOON** AS THE VACCINE IS READY.

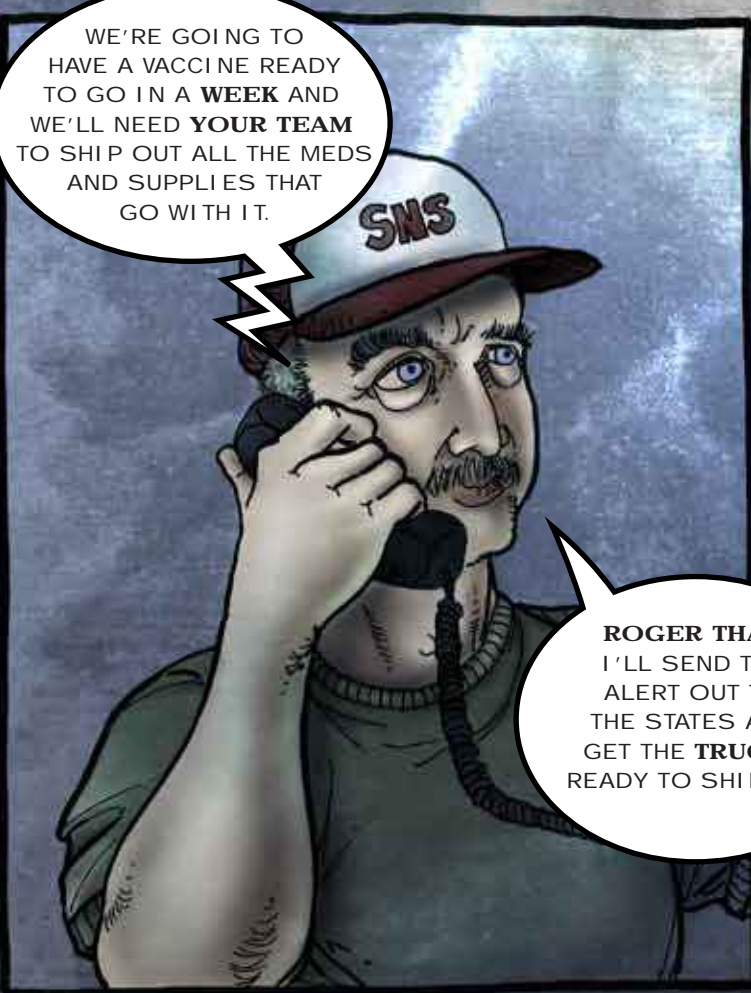
I INDEED, THEY'RE GOING TO BE **BUSY**. I'LL MAKE A CALL TO **HUDSON** AND LET HIM KNOW WHAT'S COMING.



YES, THIS IS **DR. KHAN**.  
NO, TELL CNN  
I'LL CALL  
THEM BACK  
**LATER...**

**STRATEGIC NATIONAL  
STOCKPILE... HUDSON  
SPEAKING.**

HUDSON, IT'S GREENE,  
TIME TO ROUND  
UP THE **TROOPS**.



WE'RE GOING TO  
HAVE A VACCINE READY  
TO GO IN A **WEEK** AND  
WE'LL NEED **YOUR TEAM**  
TO SHIP OUT ALL THE MEDS  
AND SUPPLIES THAT  
GO WITH IT.

**ROGER THAT.**  
I'LL SEND THE  
ALERT OUT TO  
THE STATES AND  
GET THE **TRUCKS**  
READY TO SHIP OUT.



JUST LEMME KNOW  
WHEN YOU'VE GOT THE  
DRUGS **READY**.

MEANWHILE BACK AT TODD AND JULIE'S...

WE'RE ALMOST OUT OF **FOOD**. IT'S BEEN ALMOST A **WEEK**, TODD, AND WE HAVEN'T LEFT THE **HOUSE**!

SOMETHING'S ON THE **RADIO**...

...CONTINUES TO SPREAD. CDC IS URGING EVERYONE TO PRACTICE ISOLATION. STAY IN YOUR HOMES. IF YOU MUST LEAVE, GO DIRECTLY TO A DESIGNATED SAFE ZONE.

VACCINES WILL BE SHIPPED TO THE SAFE ZONES AS SOON AS THEY ARE READY. STAY TUNED FOR A LIST OF SAFE ZONES IN YOUR AREA...

DO YOU THINK THEY HAVE **FOOD** AT ONE OF THESE SAFE ZONES?

WE NEED TO GET SOME **FOOD**!

THEY **MUST**. WHY ELSE WOULD THEY TELL PEOPLE TO GO THERE?

SPAULDING ELEMENTARY, MLK COMMUNITY CENTER AND JEFFERSON HIGH SCHOOL. PETS ARE WELCOME AT LEE ELEMENTARY IN WAYNE COUNTY...

ALRIGHT.. BUT HOW ARE WE GOING TO GET OUT OF **HERE**?

THAT'S US! LEE ELEMENTARY... AND YOU CAN COME TOO, MAX!

RARF!





WE'RE GONNA HAVE TO MAKE A **RUN** FOR IT. THEY SEEM TO BE **SLOWER** IN THE DAYTIME...

...AND THE **CAR'S** NOT TOO FAR AWAY.



ALRIGHT, LET'S PACK A COUPLE BAGS AND GET **MOVING!** IT'S GOING TO BE DARK SOON AND I DON'T WANT TO BE STUCK **OUTSIDE** WITH THOSE THINGS!



I'VE GOT WATER, THE LAST OF THE FOOD, A BLANKET, FLASHLIGHT AND THE RADIO...

LET ME GET MAX'S LEASH ON AND I THINK WE'RE **READY.**



THE COAST IS ALMOST CLEAR. THERE'S **ONE** ZOMBIE JUST PASSING THE DRIVEWAY...

OKAY, AS SOON AS THIS GUY GETS OUT OF THE WAY, I'LL TELL YOU WHEN TO GO.

**RRRRRRR**

AND YOU GOTTA **RUN!**



GO! GO! GO!

OH TODD...  
THEY'RE **EVERYWHERE!**  
I THINK THEY'VE  
SEEN US!



OKAY, MAX IS  
IN THE BACK.  
**HURRY, TODD!**

OH MAN,  
SOME OF THEM  
ARE HEADED  
**THIS WAY!**



COME ON, GIRL...  
WE'RE **COUNTING** ON YOU!

**PAT!**      **PAT!**  
**PAT!**

BE SURE YOU'RE  
DOOR'S **LOCKED!**

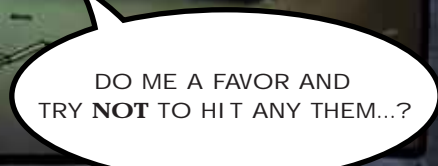
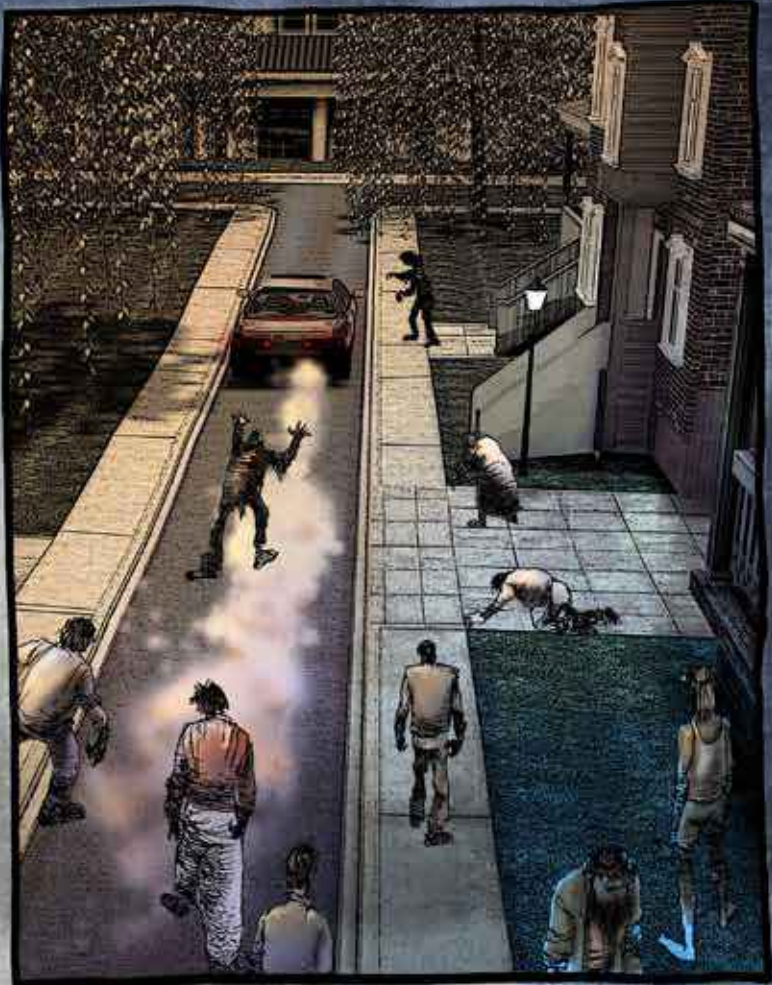
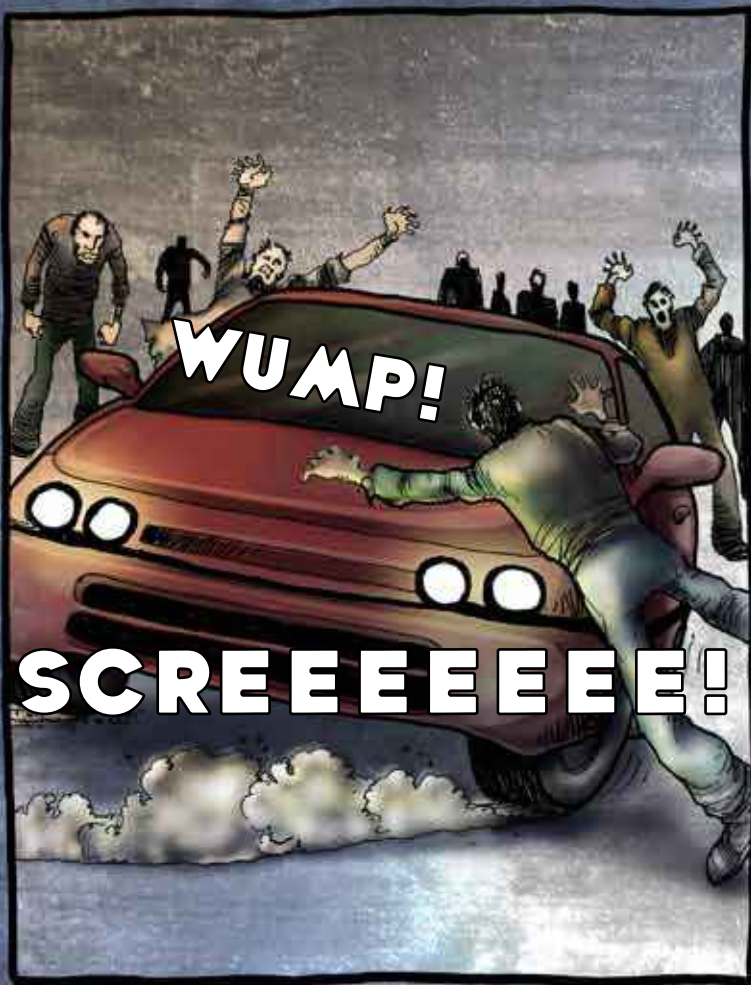


**EEEE!!!**  
**TODD!**  
**GOOOOOOO!!!**

**THUMP!**

**GARRR!**





JULIE, TODD AND MAX RACE THROUGH TOWN TO REACH THE SAFE ZONE...

THE STREETS ARE EMPTY!

I GUESS MOST OF THEM GO INTO HIDING DURING DAYLIGHT.

YOU FOLKS MADE IT JUST IN TIME. WE LOCK UP AT DUSK AND DON'T RE-OPEN UNTIL THE MORNING.

GO ON INSIDE, GET SCREENED, SIGNED IN AND THEY'LL GIVE YOU SOME FOOD AND A PLACE TO SLEEP.

WE MADE IT! LEE ELEMENTARY SCHOOL... WHAT A SIGHT FOR SORE EYES!



PUTT!  
PUTT!  
PUTT!

AND JUST IN TIME... THE CAR'S SPUTTERING OUT.



I'M NURSE  
EVANS ... JUST  
FOLLOW ME  
SO WE CAN GET  
YOU BOTH SCREENED  
WITH A SIMPLE  
BLOOD TEST.



TODD, JULIE AND MAX FOLLOW THE NURSE TO  
THE MAKE-SHIFT LAB THAT HAS BEEN SET UP...



LATER, HAVING BEEN SCREENED FOR THE VIRUS, JULIE AND  
TODD ARE CLEARED AND ALLOWED TO ENTER THE GYMNASIUM  
WHICH HAS BEEN CONVERTED INTO A SHELTER...



OKAY, MAX, LET'S SEE WHAT'S HAPPENING OUTSIDE.



... CDC SHIPPED OUT ITS FIRST SUPPLY OF VACCINES AGAINST THIS NOVEL VIRUS THAT HAS BEEN RAVAGING THE NATION. THE FIRST ROUND SHOULD REACH SAFE ZONES AS EARLY AS THIS EVENING...



WHAT?!

WE'RE SAVED?! I CAN'T BELIEVE IT!

VACCINES?!

HEY FOLKS, THE VACCINES ARE ON THEIR WAY!

YAY!!



WHILE THE SHELTER ERUPTS IN CHEERS, HUGS AND TEARS OF RELIEF... OUTSIDE THE SCHOOL'S PROTECTIVE FENCE, SHADY FIGURES ARE CLOSING IN...

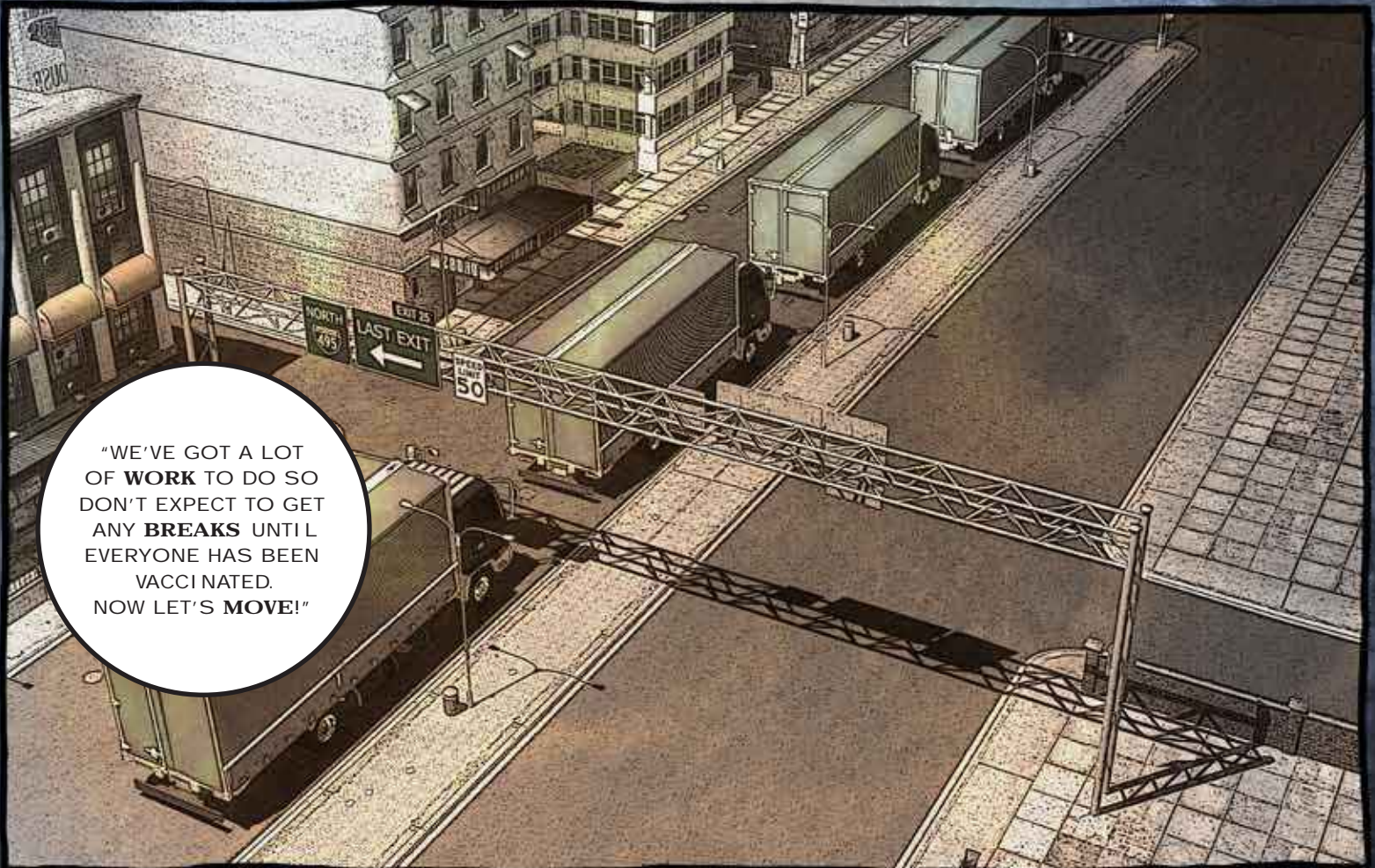


MEANWHILE BACK AT THE NATIONAL STOCKPILE WAREHOUSE...

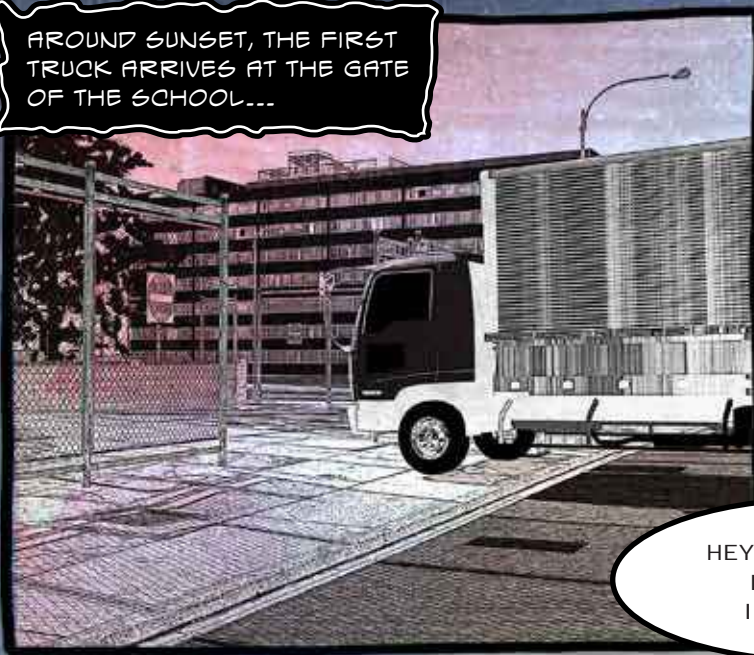
ALRIGHT FOLKS, **LISTEN UP...**  
AT 0600 WE START SHIPPING OUT  
THE FIRST ROUND OF **VACCINE**  
AND **SUPPLIES** TO THE STATES...

FROM THERE THE **STATE**  
**HEALTH DEPARTMENTS**  
WILL DIVVY UP THE SUPPLIES  
AND TAKE THEM TO THE  
VARIOUS POINTS OF  
DISPENSING.

"WE'VE GOT A LOT  
OF **WORK** TO DO SO  
DON'T EXPECT TO GET  
ANY **BREAKS** UNTIL  
EVERYONE HAS BEEN  
VACCINATED.  
NOW LET'S **MOVE!**"



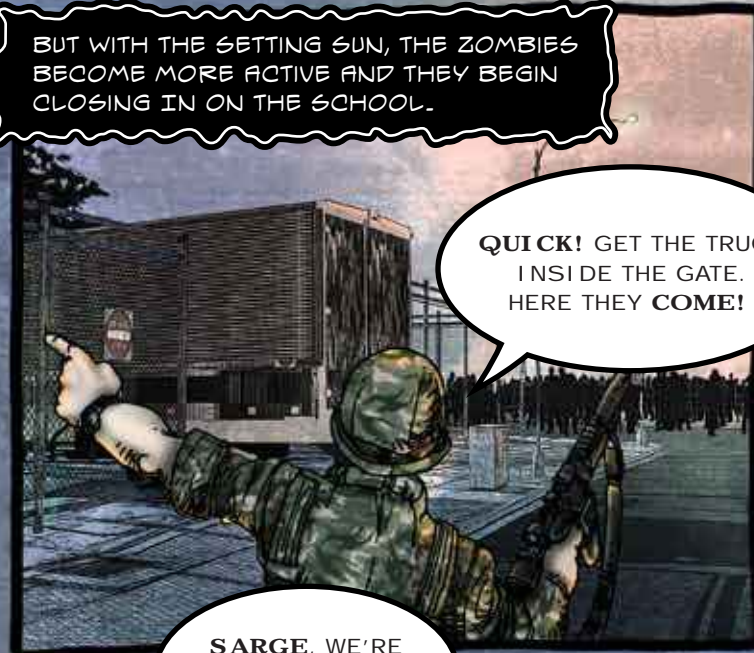
AROUND SUNSET, THE FIRST TRUCK ARRIVES AT THE GATE OF THE SCHOOL...



HEY EVERYBODY...  
IT'S HERE!  
IT'S **HERE!**



BUT WITH THE SETTING SUN, THE ZOMBIES BECOME MORE ACTIVE AND THEY BEGIN CLOSING IN ON THE SCHOOL.



QUICK! GET THE TRUCK  
INSIDE THE GATE.  
HERE THEY COME!

SARGE, WE'RE  
GONNA GET  
OVER- RUN!

GAARRR!!

WE CAN'T JUST SHOOT  
THEM. THESE ARE OUR  
FELLOW CITIZENS!



THE ZOMBIE HORDE SURROUNDS AND OVERPOWERS THE GUARDS THEN BEGINS TO BREAK INTO THE SCHOOL, SMASHING WINDOWS AND DOORS...



...HEADING FOR THE  
CROWDED SHELTER  
IN THE GYMNASIUM!

GLURP!

ARRGH!

OH MY GOSH!  
HERE THEY COME!!  
**RUN!**

BACK IN THE GYM, PEOPLE ARE CHATTERING HAPPILY WITH THEIR FAMILIES WHEN THEY HEAR GLASS BREAKING.

ALL OF A SUDDEN ZOMBIES BREAK THROUGH THE WINDOWS AND DOORS AND BEGIN STREAMING IN.

MASS PANIC ENSUES AS EVERYONE REALIZES THERE'S NOWHERE TO RUN!!!



TODD,  
WHAT DO WE DO?

RUN TO THE LAB  
AREA, MAYBE  
THERE'S A WAY OUT!

GRAAARGH!

TODD,  
LOOK OUT!!!

NOOOOOOO!!!





WHOA!



ROWF!  
ROWF!

MAX... ?



ROWF!  
ROWF!

WHERE... ?



WOW... IT WAS ALL  
JUST A DREAM... ?

TODD!



WHAT IN THE WORLD IS  
GOING ON DOWN  
THERE?



KRAK-BOOM!

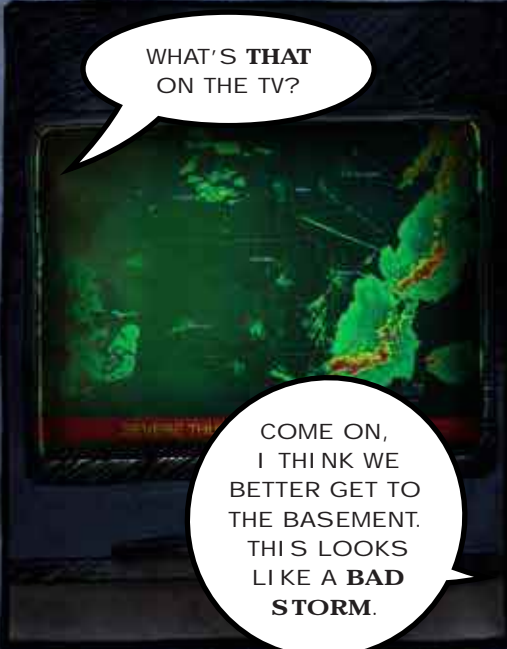


THUNDERSTORM'S  
COMING...

HUH?  
OH... UHH...  
I WAS JUST  
HAVING A BAD  
DREAM. I DREAMT  
THE COUNTRY HAD  
BEEN TAKEN OVER  
BY **ZOMBIES**...  
AND THEY  
ALMOST **GOT** US!



UGH! YOU AND YOUR  
SCARY MOVIES. SEE,  
THIS IS WHAT HAPPENS  
WHEN ALL YOU WATCH  
**HORROR FILMS!**



WHAT'S THAT  
ON THE TV?

COME ON,  
I THINK WE  
BETTER GET TO  
THE BASEMENT.  
THIS LOOKS  
LIKE A **BAD**  
**STORM.**



TURNING OFF THE TV, TODD AND JULIE HEAD DOWN INTO THE BASEMENT...

WHAT ARE YOU LOOKING FOR?

SOMETHING THAT COULD COME IN REAL HANDY...

WOW... THAT OLD THING STILL WORKS!

WAYNE? HEY, THAT'S US... TURN IT UP!

...SEVERE THUNDERSTORM WARNING IN EFFECT FOR THE FOLLOWING COUNTIES: PRINCE GEORGES, BARTOW, WAYNE...

THIS! I FORGOT WE HAD IT.

IT USED TO BE MY DAD'S.


I'VE BEEN THINKING... WE SHOULD REALLY MAKE AN EMERGENCY KIT IN CASE SOMETHING HAPPENED.

WHAT IF WE WERE STUCK IN THE HOUSE OR HAD TO EVACUATE?

WE NEED TO HAVE A PLAN!

OK, BUT I'M SERIOUS... I THINK WE NEED TO MAKE AN EMERGENCY KIT.

I HEAR YA!



AS SOON AS THIS  
STORM PASSES, WE  
CAN MAKE **ALL** THE KITS  
AND PLANS YOU WANT.

BUT **NEXT** TIME,  
I'M PICKING THE MOVIE.

MEEW!

THE END?

# ALL-HAZARDS EMERGENCY KIT

**Assemble the following items to create a kit for your home, office, school, or vehicle:**

- Water—one gallon per person, per day
- Food—nonperishable, easy-to-prepare items (minimum 3 day supply)
- Flashlight
- Battery-powered or hand-crank radio (NOAA Weather Radio, if possible)
- Extra batteries
- First aid kit (whistle, antibiotic ointment, bandages, face masks, gloves and reference book)
- Medications (7 day supply and medicinal dispensers if necessary)
- Multipurpose supplies (wrench, pliers, plastic sheet, duct tape, scissors, matches)
- Sanitation/personal hygiene items and bleach
- Copies of personal documents (medication list and pertinent medical information, proof of address, deed/lease to home, passports, birth certificates, insurance policies)
- Cell phone with charger
- Family Disaster Plan (family and emergency contact information)
- Extra cash
- Emergency blanket, extra clothes, sleeping bag (1 for each person)
- Map(s) of the area

**Consider the needs of all family members and add supplies to your kit.**

**Suggested items to help meet additional needs are:**

- Specific medical supplies (hearing aids/extra batteries, glasses, contact lenses, syringes, cane)
- Baby supplies (bottles, formula, baby food, diapers)
- Games and activities for children
- Pet supplies (collar, leash, ID, food, carrier, bowl)
- Two-way radios
- Extra set of car keys and house keys

For more information visit: [www.cdc.gov/phpr](http://www.cdc.gov/phpr)



We hope you enjoyed reading this fictional story. It's meant to be both educational and entertaining. Now that you've seen the importance of being prepared, take the time to put together an emergency kit with the items included in the checklist on the inside of the back cover.

You'll be ready for any kind of disaster, even zombies.