

**COMING UP NEXT ON NEWSDEPTH...**

**FAT TUESDAY BRINGS THOUSANDS OF PEOPLE TOGETHER, TO CELEBRATE BOTH A RELIGIOUS DAY - AND A PARTY DAY!**

**SEVEN STATES FELT THE POWER OF TORNADOES THIS WEEK, WITH SOME PLACES SUFFERING LOTS OF DESTRUCTION - WE'LL LEARN MORE ABOUT WHAT PRODUCES THESE WEATHER PHENOMENONS.**

**THESE DOGS AREN'T PLAYING - THEY'RE WORKING!  
THEY'RE ALSO AUDITIONING FOR NEW HOMES.... AS THOUSANDS WATCH THEM TAKE THE COURT.**

**AND DO YOU KNOW THE *TRUTH* - ABOUT THIS WOMAN?  
YOU WILL SOON, BECAUSE**

**NEWSDEPTH IS NOW!**

**IT'S A FULL HOUSE ON CAPITOL HILL; AS OUR NEW COMMANDER-IN-CHIEF ADDRESSES CONGRESS - FOR THE FIRST TIME.**

**HELLO EVERYONE. I'M RICK JACKSON. THANKS FOR JOINING US TODAY.**

**LAST WEEK, PRESIDENT DONALD TRUMP LAID OUT PLANS FOR HIS FIRST TERM IN OFFICE, DURING A JOINT ADDRESS TO CONGRESS. A JOINT ADDRESS MEANS THAT BOTH CHAMBERS OF THE LEGISLATIVE BRANCH – THE SENATE AND THE HOUSE OF REPRESENTATIVES – GATHER IN THE CAPITOL BUILDING TO HEAR THE PRESIDENT'S SPEECH.**

**CONGRESS USUALLY ONLY COMES TOGETHER ON SPECIAL OCCASIONS – SUCH AS DURING A STATE OF THE UNION ADDRESS, TO COUNT ELECTORAL VOTES AFTER AN ELECTION – OR FOR A NEW PRESIDENT TO OUTLINE POLICY DETAILS – AS IN THIS CASE.**

**IN HIS ADDRESS, THE PRESIDENT TOUCHED UPON MANY OF HIS PRIORITIES – SUCH AS THE MEXICAN BORDER WALL AND THE TRAVEL BAN. BUT HE ALSO ANNOUNCED AN INVESTMENT IN INFRASTRUCTURE.**

**INFRASTRUCTURE IS WHAT WE CALL THE BASIC FOUNDATION OF A CITY – LIKE THE ROADS AND BRIDGES WE TRAVEL EVERY DAY.**

**UP NEXT, WE HEAR FROM THE COMMANDER-IN-CHIEF HIMSELF.**

**PRESIDENT TRUMP... STRIKING A MORE PRESIDENTIAL AND OPTIMISTIC TONE.**

**PRESIDENT TRUMP:**

**"I AM HERE TONIGHT TO DELIVER A MESSAGE OF UNITY AND STRENGTH"**

**IN HIS HOUR-LONG SPEECH TO A JOINT SESSION OF CONGRESS.**

**PRESIDENT TRUMP:**

**"IT IS A MESSAGE DEEPLY DELIVERED FROM MY HEART."**

OFF THE TOP, THE PRESIDENT CONDEMNING THE SURGE IN HATE CRIMES SINCE HE TOOK OFFICE.

PRESIDENT TRUMP:

"RECENT THREATS TARGETING JEWISH COMMUNITY CENTERS AND VANDALISM OF JEWISH CEMETERIES AS WELL AS LAST WEEK'S SHOOTING IN KANSAS CITY REMIND US THATWHILE WE MAY BE A NATION DIVIDED ON POLICIES, WE ARE A COUNTRY THAT STANDS UNITED IN CONDEMNING HATE AND EVIL IN ALL OF ITS VERY UGLY FORMS."

SPENDING MUCH OF HIS SPEECH LAYING OUT AN AMBITIOUS AGENDA --

PRESIDENT TRUMP:

"EVERYTHING THAT IS BROKEN IN OUR COUNTRY CAN BE FIXED."

HIS SOLUTION: AN ECHO FROM HIS CAMPAIGN \*AMERICA FIRST\*

PRESIDENT TRUMP:

"BUY AMERICAN AND HIRE AMERICAN."

AND ONCE AGAIN, USING NATIONAL SECURITY AS THE BASIS FOR HIS PROPOSED BORDER WALL WITH MEXICO.

PRESIDENT TRUMP:

"WE WANT ALL AMERICANS TO SUCCEED, BUT THAT CAN'T HAPPEN IN AN ENVIRONMENT OF LAWLESS CHAOS. WE WILL SOON BEGIN THE CONSTRUCTION OF A GREAT, GREAT WALL ALONG OUR SOUTHERN BORDER."

THE PRESIDENT TOUTING HIS DEPORTATION EFFORTS OF UNDOCUMENTED PEOPLE WITH CRIMINAL CONVICTIONS.

AND DEFENDING HIS CONTROVERSIAL TRAVEL BAN - HALTED BY A FEDERAL COURT WEEKS AGO.

PRESIDENT TRUMP:

"IT IS NOT COMPASSIONATE BUT RECKLESS TO ALLOW UNCONTROLLED ENTRY FROM PLACES WHERE PROPER VETTING CANNOT OCCUR"

THE PRESIDENT ALSO ANNOUNCING A \*HUGE\* PLAN TO BOOST THE NATION'S INFRASTRUCTURE.

PRESIDENT TRUMP:

"I WILL BE ASKING CONGRESS TO APPROVE LEGISLATION THAT PRODUCES A \$1 TRILLION INVESTMENT IN INFRASTRUCTURE OF THE UNITED STATES, FINANCED THROUGH BOTH PUBLIC AND PRIVATE CAPITAL, CREATING MILLIONS OF NEW JOBS."

THE PRESIDENT ENDING HIS SPEECH WITH A VERY EMOTIONAL MOMENT --

HONORING THE WIDOW OF RYAN OWENS -- A NAVY SEAL KILLED LAST MONTH IN YEMEN -- SAYING HE WAS PART OF A "HIGHLY SUCCESSFUL" TERROR RAID.

PRESIDENT TRUMP:

"RYAN IS LOOKING DOWN RIGHT NOW, YOU KNOW THAT, AND HE'S VERY HAPPY BECAUSE I THINK HE JUST BROKE A RECORD. AS THE BIBLE TEACHES US, THERE IS NO GREATER ACT OF LOVE THAN TO LAY DOWN ONE'S LIFE FOR ONE'S FRIENDS."

THANKS, JOE.

BUT IT WASN'T JUST CONGRESS WATCHING. IN FACT, MORE THAN 47 MILLION PEOPLE TUNED IN TO WATCH TRUMP'S FIRST ADDRESS TO CONGRESS -- AND MANY OF THEM SAID THE PRESIDENT'S SPEECH MADE THEM MORE OPTIMISTIC ABOUT THE DIRECTION OF THE COUNTRY.

REGARDLESS HOW THEY FEEL ABOUT THE SPEECH, MANY WOULD DESCRIBE TRUMP'S FIRST MONTH IN OFFICE AS A WHIRLWIND...

**BUT A WHIRLWIND OF A MORE LITERAL SENSE TOUCHED DOWN IN SEVERAL MIDWESTERN STATES LAST WEEK.**

**THE NATIONAL WEATHER SERVICE SAID THAT 26 TORNADOES RIPPED THROUGH PARTS OF IOWA, ILLINOIS, INDIANA, TENNESSEE, AND MISSOURI – WHERE ONE OFFICIAL SUMMED UP THE SCENE:**

J.R. WRIGHT / FIRE INSPECTOR: "EVERYTHING JUST TURNED OVER - IT LOOKS LIKE A DISASTER ZONE. SO THE ONLY THING TO DO IS JUST TO JUMP OUT HERE AND HELP PEOPLE AND TRY TO DO THE BEST YOU CAN TO GET THESE PEOPLE BACK SAFE TO THEIR LOVED ONES."

**THE FUNNEL CLOUD OF ANOTHER TWISTER, IN IOWA, WAS CAPTURED ON CAMERA.**

**THE STORMS ALSO BROUGHT DAMAGING HAIL - THE SIZE OF BASEBALLS, IN SOME CASES – WHICH CAUSED MASSIVE DAMAGE.**

MOS RESIDENT: "WE COULD HEAR THE HAIL HITTING THE DOOR OF THE STORM CELLAR, UH, HEARD THE ALL CLEAR ALARM, COME OUT OF THE STORM CELLAR, AND EVERYTHING WAS JUST TORE ALL TO PIECES."

**ALTHOUGH THESE FUNNEL-SHAPED WINDSTORMS CAN HAPPEN ANY TIME OF YEAR, THEY ARE MOST LIKELY TO OCCUR BETWEEN APRIL AND JUNE. SO, WE'LL LIKELY BE SEEING A LOT MORE OF THIS WEATHER PHENOMENON SWIRLING AROUND THE MIDWEST IN THE COMING MONTHS. BUT HOW DO THESE DESTRUCTIVE FUNNELS FORM?**

**HERE TO EXPLAIN IS SCIENCE CORESPONDENT MARGARET THOMPSON.**

**MARGARET:**

SWIRLING WINDS AND CRASHING THUNDER CAN BE FRIGHTENING TO EXPERIENCE BUT, JUST LIKE SO MANY THINGS, UNDERSTANDING MORE CAN MAKE US FEEL LESS AFRAID. SO LET'S CHECK OUT THE SCIENCE BEHIND HOW TORNADOS COME TO BE.

TORNADOES ARE SPINNING COLUMNS OF AIR THAT EXTEND FROM A THUNDERSTORM IN THE SKY DOWN TO THE GROUND. YOU CAN'T SEE AIR, SO WHEN WE CATCH A TORNADO ON VIDEO IT IS BECAUSE THE WIND SWIRLS AROUND CONDENSATION FROM THE CLOUDS OR PICKS UP DEBRIS FROM THE GROUND.

THE MOST COMMON TORNADOS FORM FROM SUPERCELLS. SUPERCELLS, LIKE THIS ONE FROM ILLINOIS, ARE THUNDERSTORMS THAT ARE ROTATING. THEY CAN START TO ROTATE WHEN WINDS AT TWO DIFFERENT LEVELS IN THE SKY EITHER BLOW AT DIFFERENT SPEEDS OR IN DIFFERENT DIRECTIONS, THIS CAN BE CAUSED BY TEMPERATURE DIFFERENCES. WHEN THE TWO WINDS COME INTO CONTACT THEY START TO FORM A SPINNING TUBE OF AIR THAT IS EVENTUALLY TURNED UPRIGHT INTO A TORNADO.

FUNNEL CLOUDS LIKE THIS ONE ARE USUALLY THE FIRST VISIBLE SIGN THAT A TORNADO IS FORMING. WHEN A FUNNEL CLOUD FINALLY TOUCHES DOWN IT CAN BE CALLED A TORNADO. TORNADOES DON'T TOUCH DOWN FOR VERY LONG. IN FACT MOST ARE ONLY ON THE GROUND FOR LESS THAN 10 MINUTES, BUT DEPENDING HOW FAST THE STORM IS MOVING THEY CAN MAKE IT A LONG WAY. TORNADOS AVERAGE A DISTANCE OF THREE AND A HALF MILES.

TORNADOES ARE CATEGORIZED ON THE ENHANCED FUJITA SCALE THAT ACCOUNTS FOR THE SPEED OF A TORNADO'S WINDS AND THE DAMAGE IT LEAVES BEHIND. AT THE BOTTOM OF THE SCALE IS AN EF ZERO TORNADO THAT HAS WIND GUSTS OF BETWEEN 65 AND 85 MILES PER HOUR. IT CAN BREAK TREE BRANCHES OR CAUSE SOME DAMAGE TO THE OUTSIDE OF A HOME. AT THE TOP OF THE CHARTS AN EF FIVE TORNADO CAN HAVE GUST OF OVER 200 MILES PER HOUR. IT CAN PICK UP ENTIRE HOUSES AND CARS AND MOVE THEM 100 YARDS!

SCARY, BUT SCIENTISTS ARE CONSTANTLY STUDYING TORNADOS AND HOW THEY FORM TO BE ABLE TO BETTER PREDICT WHEN THEY WILL TOUCH DOWN AND WHERE THEY WILL HEAD. RIGHT NOW USUALLY THEY CAN GIVE A 13 MINUTE WARNING BUT WITH UPDATES TO TECHNOLOGY AND RADAR THEY ARE EXTENDING THAT TIME EVEN LONGER.

OH AND SOMETHING NEAT FROM THIS WEEK IN THE NEWS – NASA SPOTTED TINY TORNADOES OF SORT ON MARS. THESE DUST DEVILS ARE FORMED BY SWIRLING WINDS ON THE PLANET'S SURFACE, SINCE THEY AREN'T TIED TO A THUNDERSTORM THEY AREN'T ACTUALLY TORNADOES, BUT BOY LOOK AT IT GO!

**THANKS MARGARET.**

**WHILE THE MIDWEST WAS BRACING ITSELF FOR THE BEGINNING OF TORNADO SEASON, ONE SOUTHERN STATE BRACED ITSELF FOR THE FATTEST TUESDAY OF THE YEAR!**

**MARDI GRAS IS AN ANNUAL CARNIVAL CELEBRATION – AND IS TRADITIONALLY THE LAST DAY FOR CHRISTIANS TO INDULGE BEFORE LENT, A PERIOD OF FASTING AND OF GIVING UP LUXURIES.**

**MARDI GRAS IS FRENCH FOR FAT TUESDAY – ACTUALLY TUESDAY FAT IF YOU'RE LITERAL.... AND, AS THE NAME IMPLIES, REVELERS CELEBRATE WITH RICH, FATTY FOODS. TRADITIONAL FAT TUESDAY FOODS VARY: IN THE UK, FAT TUESDAY IS PANCAKE DAY, BUT, IN POLAND, IT'S PACZKI (PUUNCH-KI) DAY – PACZKIS ARE FILLED, DEEP-FRIED DOUGH BALLS, COVERED WITH POWDERED SUGAR. THE POLES CARRIED THIS DELICIOUS TRADITION HERE TO CLEVELAND WHEN THEY IMMIGRATED, AND THIS SWEET FRIED TREAT HAS SINCE BECOME *OUR* TRADITION!**

**OF COURSE, THE MOST WELL-KNOWN TRADITIONS TAKE PLACE IN NEW ORLEANS, LOUISIANA, WHERE TWO WEEKS OF PARADES, PARTIES AND CELEBRATIONS HAVE LED UP TO MARDI GRAS.**

UP NEXT, WE HEAD TO THE BIG EASY – N’AWLIN’S NICKNAME - AND CHECK OUT THE ANNUAL PARTY THAT’S BEEN RAGING SINCE 1699.

MARDI GRAS CELEBRATIONS START EARLY IN NEW ORLEANS.

AT LEAST ONE PARADE BEGAN PROCESSING BEFORE EIGHT A-M LOCAL TIME.

MOS: "IT'S A LITTLE EARLY. IT'S A LITTLE EARLY."

NEW ORLEANIANS WERE STAKING OUT PRIME SPOTS BEFORE THE SUN CAME UP. BUT THE BIG EASY TAKES MARDI GRAS -- LITERALLY "FAT TUESDAY" -- SERIOUSLY ... AND PREPARES ALL YEAR FOR THIS DAY.

MOS: VERY EXCITED FOR MARDI GRAS, WE LOVE IT  
(NATS)

LONG BEFORE THE FIRST BEADS WERE TOSSED... PEOPLE LIKE RENEE MAXWELL WERE BUSY PLANNING.

HER MASSIVE "ORPHEUS" KREWE IS ONE OF THE BIGGEST AND MOST ELABORATE. 27 FLOATS, 30 MARCHING BANDS, 1400 PARADE RIDERS -- ALL FOR A SINGLE PARADE... WITH NOT A SINGLE CORPORATE SPONSOR.

RENEE MAXWELL/KREWE LEADER, ORPHEUS: "EVERYTHING YOU SEE HERE, THE FLOATS, THE BANDS, EVERYTHING - THROWS - COME OUT OF THE RIDERS POCKETS."

(NATS)

NEW ORLEANS KNOWS HOW TO THROW A MARDI GRAS PARTY -- AND THEY SHOULD.

THE FIRST PARADE IN THE CITY TOOK PLACE BACK IN 1837.

THESE DAYS, MARDI GRAS IS A LEGAL HOLIDAY IN PARTS OF LOUISIANA.

NEARLY ONE-AND-A-HALF MILLION PEOPLE TYPICALLY SHOW UP IN NEW ORLEANS...

TO DRINK...

(NATS)

DANCE...

(NATS)

AND LET THE GOOD TIMES ROLL.

THANKS, SCOTT. THAT LOOKS LIKE QUITE A PARTY -- AND YOU ALL GAVE US ANOTHER REASON TO CELEBRATE LAST WEEK – BY SHARING YOUR BRILLIANT THOUGHTS WITH US.

IN LAST WEEK’S POLL. WE ASKED: WOULD YOU APPLY TO BE AN ASTRONAUT? AND IT WAS A CLOSE ONE! BUT 52 PERCENT OF YOU SAID YES! NOW, LETS LEARN MORE ABOUT YOUR INTERSTELLAR TRAVELS – OR LACK THEREOF -- BY OPENING UP OUR INBOX!

ALAN FROM ELMHURST ELEMENTARY WRITES OF BECOMING AN ASTRONAUT: OKAY...SIGN ME UP! MY FIRST SPACE STOP WOULD BE IN THE NEW SYSTEM. I WOULD DEFINITELY VISIT THE NEW "EXOPLANETS"! I KNOW IT SEEMS IMPOSSIBLE, BECAUSE OF THE 11,000 YEAR-LONG WAIT. HOWEVER, I'D USE A "CRYO-SLEEP" CHAMBER TO STOP MY BODY FROM AGING AND EXTEND LIFE. IF THERE IS ALREADY LIFE ON THE PLANET, I'D MAKE A TYPE OF TREATY AND MAYBE EVEN BEGIN TRADING! IT'S MY PLAN, I'M STICKING WITH IT.

YUTA FROM WILLIAM BRUCE ELEMENTARY SCHOOL IN EATON, HAS SET HIS SIGHTS A LITTLE CLOSER TO HOME, WRITING:

**I WOULD LIKE TO APPLY FOR AN ASTRONAUT BECAUSE I WANT TO FIND NEW WAYS TO SUPPORT LIFE IN PLANETS AND MAKE LONG SPACE TRAVEL POSSIBLE. I WANT NASA TO GO TO MARS FIRST. MY VERY FIRST STOP WILL BE THE INTERNATIONAL SPACE STATION KIBO MODULE SINCE I AM FROM JAPAN AND IT IS A JAPANESE MODULE, ALSO IT IS FOR MANY EXPERIMENTS.**

**MAYA FROM MARYLAND ELEMENTARY WANTS TO JOURNEY TO THE RED PLANET TO MAKE HISTORY, TELLING US:**

**I WOULD APPLY TO BE AN ASTRONAUT AND MY FIRST STOP WOULD BE MARS! I WOULD BE THE FIRST AFRICAN AMERICAN AND WOMAN TO EVER SET FOOT ON THAT PLANET (WHAT AN HONOR!). ALSO, TODAY I READ TODAY ABOUT LINDSAY AITCHISON WHO IS TRYING TO CREATE THE FIRST MARS SPACE SUIT BY THE 2030'S. SO WHEN THEY ARE READY SO AM !! SEE YOU IN SPACE!**

**NICK FROM MEADOWLAWN HAS A VERY DIFFERENT PLANET IN MIND, WRITING: I WOULD GO TO URANUS, I THINK IT WOULD BE COOL TO GO TO THE COLDEST PLANET IN THE SOLAR SYSTEM. BUT YOU WOULD HAVE TO BUNDLE UP...YOU COULD DIE FROM HOW COLD IT IS. WITH THE COLDEST TEMPERATURE BEING -224 DEGREES, THE COLDEST TEMPERATURE RECORDED IN THE SOLAR SYSTEM. I WOULD BRING A HOT TUB WITH ME SO I CAN STILL BE WARM ON THE PLANET URANUS.**

**MAX FROM GRANBY ELEMENTARY WOULD POLITELY DECLINE THE OPPORTUNITY FOR SPACE TRAVEL, TELLING US:**

**I THINK I WOULD LEAVE BEING AN ASTRONAUT TO THE PROFESSIONALS. I DON'T WANT TO BE AWAY FROM MY FAMILY AND IT WOULD BE PRETTY DANGEROUS AS WELL. IT TAKES A LOT OF SPECIAL TRAINING AND EDUCATION. WE NEED TO LEAVE THIS IMPORTANT WORK TO THE PEOPLE WHO KNOW WHAT THEY ARE DOING.**

**THANKS MAX. AND THANKS TO NICK, MAYA, YUTA, AND ALAN FOR YOUR OUT-OF-THIS-WORLD LETTERS. AS WE LEARNED LAST WEEK, IT'S IMPORTANT TO STAY CURIOUS AND KEEP LEARNING TO ACHIEVE YOUR GOALS – WHETHER YOU WANT TO BLAST OFF INTO SPACE OR STAY FIRMLY-PLANTED HERE ON EARTH.**

**WE ALSO GOT A TWEET FROM MR. Y'S CLASS – ABOUT A TOPIC WE COVERED LAST WEEK: STATEHOOD DAY! LOOKS LIKE THEY HAD A SPIRITED CELEBRATION FOR OHIO'S BIRTHDAY! THEY GOT A CAKE AND EVERYTHING!**

**WELL, SINCE IT BECAME A STATE 214 YEARS AGO, OHIO HAS BEEN THE BIRTHPLACE OF INNOVATIONS THAT CHANGED THE WORLD AND MANY NOTABLE PEOPLE – LIKE PRESIDENTS AND ASTRONAUTS.**

**BUT TODAY, WE'RE GOING TO TALK ABOUT A POWERFUL SPEECH – ONE OF THE MOST FAMOUS SPEECHES IN OUR COUNTRY'S HISTORY – AND IT WAS DELIVERED – WHERE ELSE? – RIGHT HERE IN OHIO! KNOW OHIO'S MARY FECTEAU HAS MORE.**

**MARY:**

**WOMEN AND MEN ARE EQUAL! OH, WHAT? THAT'S NOT NEWS TO YOU? WELL, BACK IN THE MID-1800'S THAT WOULD HAVE BEEN A VERY CONTROVERSIAL STATEMENT.**

BACK THEN, MOST AMERICANS ASSUMED THAT THERE WAS A NATURAL ORDER IN SOCIETY – WHICH SAID THAT WOMEN SHOULD BE MEEK, AND OBEDIENT TO THE MEN IN HER LIFE. AND, BECAUSE OF THIS, WOMEN WERE DENIED EDUCATION AND CAREER OPPORTUNITIES, VOTING AND PROPERTY RIGHTS, AND EQUAL WAGES. AND, OF COURSE, THEY WERE NOT SUPPOSED TO HAVE POLITICAL OPINIONS OR SPEAK PUBLICALLY.

WELL, SOME UNRULY BUCKEYES HAD OTHER IDEAS...IN FACT, SOME OF THE FIRST WOMEN TO FIGHT THESE UNFAIR BELIEFS WERE OHIOANS!

ACTIVISTS LIKE OBERLIN'S LUCY STONE, ASHTABULA'S BETSY MIX COWLES, AND MARIETTA'S FRANCIS DANA GAGE WERE SOME OF THE EARLIEST WOMEN TO PUBLICALLY DEMAND RIGHTS. INTERESTINGLY, MANY OF THESE EARLY FEMALE ACTIVISTS WERE ALSO INVOLVED IN THE ANTI-SLAVERY MOVEMENT – WHICH WAS AN EVEN BIGGER ISSUE OF THE TIME.

BUT, AFTER A BIG CONVENTION FOR WOMEN'S RIGHTS WAS HELD IN SENECA FALLS, NEW YORK IN 1848, OHIO WOMEN DECIDED TO DO SOMETHING SIMILAR HERE – HOLDING OHIO WOMEN'S CONVENTIONS IN SALEM AND AKRON IN 1850 AND 1851.

THE 1851 AKRON CONVENTION WAS VERY SUCCESSFUL, AND BROUGHT MORE WOMEN AND MEN INTO THE MOVEMENT, BUT THIS CONVENTION MIGHT NOT EVEN BE REMEMBERED, WERE IT NOT FOR ONE WOMAN – AND HER POWERFUL WORDS. IN FACT, IT'S A SPEECH SO MOVING, THAT IT'S STILL WIDELY READ TODAY, OVER 160 YEARS LATER!

SOJOURNER TRUTH WAS A FORMER SLAVE FROM NEW YORK. SHE ESCAPED SLAVERY IN 1826, THEN, FOUGHT IN THE COURTS TO AVOID HAVING HER SON SOLD INTO SLAVERY IN THE SOUTH. AT THE CONVENTION AT WHICH MANY OF THE SPEAKERS WERE WHITE WOMEN, SHE TOUCHED UPON THE DOUBLE BURDEN OF BEING A WOMAN AND BLACK.

[SPEECH EXCERPT]

SOJOURNER'S FULL SPEECH WAS TRANSCRIBED BY MARIUS ROBINSON AND PUBLISHED IN HIS NEWSPAPER, THE ANTI-SLAVERY BUGLE. ALONG WITH THE TRANSCRIPTION, ROBINSON WROTE: "IT IS IMPOSSIBLE TO TRANSFER IT TO PAPER, OR CONVEY ANY ADEQUATE IDEA OF THE EFFECT IT PRODUCED UPON THE AUDIENCE. THOSE ONLY CAN APPRECIATE IT WHO SAW HER POWERFUL FORM, HER WHOLE-SOULED, EARNEST GESTURE, AND LISTENED TO HER STRONG AND TRUTHFUL TONES."

TRUTH'S RAW, HONEST WORDS STAND THE TEST OF TIME. TODAY, IT'S KNOWN AS THE AIN'T I A WOMAN? SPEECH AND IT'S BEEN RECITED FAMOUS WRITERS LIKE MAYA ANGELOU AND ALICE WALKER, ALONG WITH FAMOUS ACTRESSES AND POLITICIANS. AND IT STILL INSPIRES US TO CALL OUT HYPOCRISY AND DRAW UPON OUR STRUGGLES TO MAKE US STRONGER.

**THANKS MARY. NOT LONG AFTER SOUJOURNER TRUTH GAVE HER FAMOUS SPEECH IN AKRON, THE BUSTLING CITY OF CINCINNATI BECAME JUST THE SECOND CITY IN THE UNITED STATES TO ESTABLISH A ZOO -- IN 1875. TODAY, THE CINCINNATI ZOO AND BOTANICAL GARDEN IS HOME TO MORE THAN 500 ANIMAL SPECIES -- INCLUDING THESE GUYS THE HIPPOPOTAMUS AMPHIBIOUS -- OR JUST HIPPO FOR SHORT. IT'S A MOSTLY HERBAVOROUS MAMMAL FROM AFRICA.**

**ON THIS WEEK'S BUCKEYE BEAT, WE MEET THE LATEST ADDITION TO THE CINCINNATI ZOO'S HIPPO FAMILY!**

SHE MIGHT LOOK HEALTHY AND PLUMP NOW, BUT THE CINCINNATI ZOO AND BOTANICAL GARDEN'S NEW BABY HIPPOPOTAMUS, FIONA, HAS HAD A LOT OF UPS AND DOWNS OVER THE COURSE OF HER SHORT LIFE.

EVEN BEFORE SHE WAS BORN, SHE MADE HISTORY, BY BECOMING THE FIRST NILE HIPPO SEEN IN AN ULTRASOUND IMAGE. AN ULTRASOUND IS A TEST THAT USES SOUND WAVES TO CREATE AN IMAGE OF SOMETHING WITHIN THE BODY. IN THIS CASE, BABY FIONA AND HER BEATING HEART COULD BE SEEN WITHIN HER MOTHER BIBI.

WHILE THE ULTRASOUND IMAGES REVEALED A HEALTHY BABY HIPPO, FIONA WAS BORN 6 WEEKS EARLIER THAN EXPECTED ON JANUARY 24TH. THE BABY HIPPO REQUIRED THE SAME ROUND-THE-CLOCK CARE AS A PREMATURE HUMAN BABY. SHE WAS ON AN IV FOR SOME TIME BECAUSE SHE WAS DEHYDRATED.

BUT FIONA HAD A CAN-DO SPIRIT, AND CONTINUED TO GROW! SHE REACHED MAJOR MILESTONES LIKE STANDING ON HER OWN FOR THE FIRST TIME, TEETHING, AND BEING IN A POOL FOR THE FIRST TIME.

NOW FIONA IS SPLASHING AROUND LIKE A PRO -- HAVING OUTGROWN TWO SWIMMING POOLS! IT'S IMPORTANT FOR ZOOKEEPERS TO GET HER USED TO THE POOL BECAUSE HIPPOS ARE AMPHIBIOUS ANIMALS AND SPEND UP TO 16 HOURS PER DAY IN THE WATER! AMPHIBIOUS ANIMALS ARE ANIMALS THAT LIVE BOTH ON LAND AND IN WATER.

AND ANOTHER ACHIEVEMENT THIS WEEK: FIONA, WHO HAS ALWAYS STRUGGLED BEING BOTTLE-FED, HAS GRADUATED TO A MUCH LARGER BOTTLE! TAKE A LOOK AT THAT MILK MUSTACHE!

IF YOU VISIT THE CINCINNATI ZOO TODAY, YOU WON'T SEE FIONA OUT AND ABOUT YET. ZOO KEEPERS ARE WAITING FOR FIONA TO GET EVEN STRONGER BEFORE SHE GREET'S HER MANY FANS!

**THANKS STEPHANIE. SO FIONA THE HIPPO HAS WADDLED INTO OUR HEARTS, BUT A MUCH TALLER MAMMAL IN NEW YORK HAS US WAITING WITH BAITED BREATH. APRIL, A GIRAFFE AT THE ANIMAL ADVENTURE PARK IN HARPURSVILLE IS**



**EXPECTING A BABY – AND MILLIONS OF PEOPLE ARE EAGERLY AWAITING ITS ARRIVAL, AS THE EXPECTANT MOTHER IS CURRENTLY BEING WATCHED AROUND THE WORLD ON LIVE STREAMING VIDEO.**

**UP NEXT, JUSTINE RAY BRINGS US TO ONE CLASSROOM – WHERE APRIL THE GIRAFFE SERVES AS A TEACHER.**

THE STUDENTS IN MS. FENESCEY'S SCIENCE CLASS AT HARPURSVILLE MIDDLE SCHOOL HAD THEIR EYES GLUED TO THE SCREEN AWAITING THE BIRTH OF APRIL THE GIRAFFE'S BABY.

BARBARA FENESCEY / SCIENCE TEACHER: "HOPEFULLY TODAY'S THE DAY." AND THEY HAVE BEEN WATCHING SINCE THE BEGINNING.

BARBARA FENESCEY / SCIENCE TEACHER: "WE KEEP THE LIVE FEED OPEN ON THE SCREEN ON THE BOARD JUST SO WE CAN KEEP UP TO DATE."

SCOTT TUROCK / 7TH GRADE: "IT IS REALLY INTERESTING BECAUSE IT IS ENCOURAGING FOR ME TO LEARN MORE ABOUT ANIMALS."

FENESCEY IS USING THE INTERNET SENSATION AT ANIMAL ADVENTURE PARK IN HARPURSVILLE AS AN OPPORTUNITY TO TEACH THE KIDS LESSONS THEY OTHERWISE WOULDN'T LEARN ABOUT.

BARBARA FENESCEY / SCIENCE TEACHER: "WE STUDY LIFE SCIENCE ANYWAY SO IT IS WONDERFUL TO ADD AN ANOTHER ANIMAL TO STUDY ONE WE WOULD NOT NORMALLY SEE."

JUSTINE RE / CORRESPONDENT (STANDUP): "RIGHT NOW WE ARE ANXIOUSLY WATCHING THE LIVE FEED WAITING FOR APRIL THE GIRAFFE TO GIVE BIRTH AND I AM LEARNING A LOT ABOUT GIRAFFE'S IN MS. FENESCEY'S ONE THING I LEARNED IS GIRAFFE'S GIVE BIRTH STANDING UP."

BARBARA FENESCEY / SCIENCE TEACHER: "THE NEWBORN CALF DROPS 6 FEET TO THE FLOOR AND SOME STUDENTS WERE AFRAID THAT WOULD INJURE THE CALF BUT IT REALLY HELPS THE CALF TO START BREATHING AND BREAKS THE UMBILICAL CHORD."

APRIL COULD GIVE BIRTH ANY DAY NOW, ANY MINUTE--BUT IT'S HARD TO KNOW EXACTLY WHEN.

BARBARA FENESCEY / SCIENCE TEACHER: "SHE IS NOT GOING TO SHOW ANY SIGNS OF LABOR BECAUSE IF SHE WAS IN THE WILD, PREDATORS WOULD BE AWARE THAT SHE IS GOING TO HAVE A YOUNG GIRAFFE AND THAT WOULD BE PREY."

AND THE STUDENTS ARE SO ENGAGED AND EXCITED THEY EVEN HAVE NAMES PICKED OUT FOR THE BABY ON THE WAY.

SCOTT TUROCK / 7TH GRADE: "I HAVE HARPUR AFTER HARPURSVILLE IF IT IS A GIRL." THE WORLD WILL JUST HAVE TO WAIT, STAY PATIENT, AND KEEP A CLOSE WATCH ON APRIL.

**IT'S IMPORTANT FOR US TO NOTE THAT, AS OF OUR RECORDING THIS - APRIL HAS NOT YET GIVEN BIRTH, BUT THAT MIGHT HAVE CHANGED BY THE TIME YOU WATCH THIS EPISODE!**

**WHILE ALL EYES HAVE BEEN FOCUSED ON APRIL IN NEW YORK -- SURPRISE!!! ANOTHER BABY GIRAFFE SHOWED UP –UNANNOUNCED- IN DENVER!!**

**LITTLE DOBBY WAS BORN LAST WEEK AT THE DENVER ZOO AND IS DOING WELL. THE PREGNANCY ITSELF WAS UNPLANNED – AND THE DENVER ZOO HAS A POLICY OF NOT ANNOUNCING WHEN ITS ANIMALS ARE EXPECTING.**

**THAT BRINGS US TO THIS WEEK'S POLL QUESTION. WE JUST TOLD YOU ABOUT HOW TWO DIFFERENT ZOOS HANDLED THE PREGNANCY OF GIRAFFES IN THEIR CARE. THE ANIMAL ADVENTURE PARK IN NEW YORK WAS AS OPEN AS POSSIBLE – EVEN STREAMING THE BIRTH ONLINE, WHILE THE DENVER ZOO DIDN'T ANNOUNCE THE PREGNANCY AT ALL. SO WE WANT TO KNOW: DO YOU THINK ZOOS SHOULD ANNOUNCE WHEN ANIMALS ARE EXPECTING? CLICK THE POLL BUTTON ON OUR WEBSITE TO TELL US YES OR NO! AFTER YOU'VE VOTED, WRITE TO US – AND TELL US HOW YOU VOTED AND WHY!**

**WHETHER THEY ANNOUNCE OR NOT, ANY GIRAFFE BIRTHS ARE A GOOD THING – BECAUSE GIRAFFES WERE RECENTLY LISTED AS “VULNERABLE” TO EXTINCTION BY THE INTERNATIONAL UNION FOR THE CONSERVATION OF NATURE. ACCORDING TO THEIR REPORT, IN THE PAST 30 YEARS, THE GLOBAL GIRAFFE POPULATION HAS DECLINED BETWEEN 36 PERCENT AND 40 PERCENT, AND GIRAFES COULD FACE EXTINCTION, IF THE TREND ISN'T REVERSED.**

**THE REASON; IS A GROWING HUMAN POPULATION, WHICH HAS DISRUPTED THE HABITAT OF THE WORLD'S TALLEST LAND MAMMAL. BUT STEPS HAVE ALREADY BEEN TAKEN TO PRESERVE AND PROTECT GIRAFFE HABITATS IN AFRICA.**

**ONE HABITAT THAT'S FACINATED VISITORS FOR DECADES IS DEVIL'S KETTLE IN MINNESOTA – IT APPEARS THAT HALF OF A RIVER THERE JUST DISAPPEARS!**

**IT REMAINED A MYSTERY, UNTIL SCIENTISTS STEPPED IN -- AND DISCOVERED IT WAS ALL AN ILLUSION! BILL HUDSON EXPLAINS.**

**IF YOU'VE EVER VISITED THE NORTH SHORE, YOU'VE NO DOUBT BEEN IN AWE OF THE JAGGED ROCK AND TUMBLING WATERFALLS. AND PERPLEXED BY ONE IN PARTICULAR.**

**WOMAN:**

**"IT'S A BIG HOLE, BLACK HOLE."**

**MAN:**

**"THERE'S STILL NO REAL CONFIRMATION AS TO WHERE THE WATER GOES ONCE IT GOES IN."**

**THIS IS DEVIL'S KETTLE ON THE BRULE RIVER NEAR GRAND MARAIS. WHERE WATER IN THE LEFT FORK OF THE RIVER APPEARS TO JUST VANISH INTO ROCK.**

**MIKE BINKLEY:**

**"WE'LL SEE IF ANYBODY CALLS ME FROM CHINA "**

**IN 2012, MIKE BINKLEY EVEN TOSSED IN A PING-PONG BALL WITH HIS PHONE NUMBER. HE'S STILL WAITING FOR THAT CALL.**

**OTHERS HAVE TOSSED IN LOGS, EVEN DYE, BUT NOTHING SURFACES.**

**CALVIN ALEXANDER/UNIVERSITY OF MINNESOTA:**

**"IT GETS GROUND UP. IT'S A VERY POWERFUL CHURNING "**

**U OF M PROFESSOR CALVIN ALEXANDER CALLS IT A GIANT BLENDER, SHREDDING WHATEVER ENTERS. BUT WHERE DOES IT EXIT?**

**CALVIN ALEXANDER:**

**"THE FIRST THING THAT YOU DO IS YOU MEASURE THE WATER AND IT TURNS OUT NOBODY HAD EVER DONE THAT."**

**HE AND THE D-N-R'S JEFF GREEN DID, AND FOUND THE RIVER'S WATER VOLUME IS**

**THE SAME ABOVE THE FALLS AS BELOW, DEBUNKING THE MYTH.  
SO TO VISUALIZE WHERE THE WATER'S COMING OUT, THEY'LL POUR IN A BRIGHT  
GREEN DYE, AND WE'LL BET IT COMES OUT HERE.**

**CALVIN ALEXANDER:**

**"IT'S COOL, IT'S NEAT. WE NOW KNOW SOMETHING WE DIDN'T KNOW BEFORE.  
THAT'S WHAT TURNS A SCIENTIST ON."**

**IN A PART OF THE STATE THAT'S MYSTICAL TO THE CORE.**

**WHILE SCIENTISTS IN MINNESOTA WERE MEASURING THE VOLUME OF WATER TO  
SOLVE A MYSTERY, SCIENTISTS IN CALIFORNIA WERE MEASURING SNOW TO FIGURE  
OUT HOW MUCH WATER IT CONTAINS.**

**THE SIERRA SNOWPACK SURVEY TURNED UP GOOD NEWS FOR THE DROUGHT-  
SUFFERING GOLDEN STATE: THIS WINTER HAS BEEN CALIFORNIA'S WETTEST IN 20  
YEARS – AND ALL THAT SNOW WILL EVENTUALLY MELT INTO DRINKING WATER FOR  
THIRSTY RESIDENTS, ANIMALS, AND CROPS!**

**THE DEPARTMENT OF WATER RESOURCES REPORTED SNOWPACK INCREASES IN  
EVERY AREA OF THE MOUNTAIN RANGE – INCLUDING THE SOUTHERN PORTION,  
WHICH HAS OVER DOUBLE THE AMOUNT OF SNOW IT NORMALLY GETS.**

**AND MORE GOOD NEWS AS WE TURN TO THIS WEEK'S A PLUS!**

**LAST MONTH, WE TOLD YOU ALL ABOUT HEALTHY HEART MONTH -- A TIME OF YEAR  
TO FOCUS ON OUR HEARTS, AS HEART DISEASE IS THE LEADING CAUSE OF DEATH  
IN THE U.S. WELL, STUDENTS AT MARYLAND ELEMENTARY REALLY... WELL, TOOK IT  
TO HEART!**

**THEY PARTICIPATED IN A BASKETBALL FUNDRAISER FOR THE AMERICAN HEART  
ASSOCIATION. STUDENT KADIRAY (KUH DEER AH) FILLS US IN, WRITING:**

**"I BELIEVE THAT ALL KIDS SHOULD HAVE A HEALTHY HEART BECAUSE EVERYONE'S  
LIVES MATTER. AT MY SCHOOL, THE 6TH GRADERS ARE DOING "HOOPS FOR  
HEART." WE HAVE RAISED \$4,708 IN ABOUT A WEEK AND A HALF FOR THE  
AMERICAN HEART ASSOCIATION. WE ARE LEARNING ABOUT BASKETBALL AND  
HEART HEALTH."**

**I REMEMBER KADIRAY – WE READ YOUR LETTER ABOUT A MONTH AGO...  
ANYWAY, FOR RAISING MONEY FOR HEART HEALTH – AND STAYING ACTIVE ON THE  
BASKETBALL COURT, THE STUDENTS AT MARYLAND ELEMENTARY GET THIS  
WEEK'S HEARTTHUMPING A PLUS!**

**NOW TO A CAT, THAT HAS STOLEN OUR HEARTS WITH HER DISCERNING EYE FOR A  
CUTE ANIMAL STORY. LET'S SEE WHAT NEWS CAT HAS FOR US IN THIS WEEK'S  
PETTING ZOO!**

**HI, NEWS CAT! CAN YOU BELIEVE IT'S ALREADY MARCH?**

**WHAT'S THAT? WE'RE IN THE HEART OF TENNIS SEASON? BUT WHAT DOES TENNIS HAVE TO DO WITH ANYTHING?!**

**OH, I SEE, YOU'VE GOT A STORY ABOUT THE FOUR-LEGGED BALL BOYS AT A TENNIS MATCH. THAT MAKES MORE SENSE! TO SEE MORE IMAGES OF THESE ADOPTABLE DOGS IN ACTION CLICK THE PETTING ZOO BUTTON ON OUR WEBSITE. THANKS NEWS CAT!**

**AND, AS ALWAYS, WE WANT TO HEAR FROM YOU. AFTER YOU VOTE IN OUR POLL, WRITE TO US. SEND YOUR E-MAILS TO NEWSDEPTH AT IDEASTREAM.ORG - OR MAIL YOUR LETTERS TO 1375 EUCLID AVENUE, CLEVELAND, OHIO 44115.**

**YOUR LETTERS MUST BE RECEIVED BY MONDAY AFTERNOON TO BE CONSIDERED FOR THE NEXT SHOW. YOU CAN ALSO TWEET AT US @ NEWSDEPTH OHIO.**

**THANKS FOR WATCHING, I'M RICK JACKSON. WE'LL SEE BACK HERE NEXT WEEK.**