

COMING UP NEXT ON NEWSDEPTH...

THE WORLD'S TWO TOP POLLUTERS TRADE POSITIONS ON CLIMATE CHANGE, AS A NEW PRESIDENT BRINGS NEW PRIORITIES.

PRINCESSES TRADE GLASS SLIPPERS FOR WORK BOOTS, AS DISNEY PROVES THAT NOT EVERY HAPPY ENDING NEEDS A PRINCE CHARMING.

ONE COLORFUL COMPANY TRADES YELLOW FOR BLUE, AS THEY ANNOUNCE A CHANGE IN THEIR SIGNATURE BOX.

AND A FAMOUS INTERNET GIRAFFE STALLS YET AGAIN – WE'LL TELL YOU HOW SHE MADE APRIL FOOLS OUT OF US ALL BECAUSE...

NEWSDEPTH IS NOW!

THE U.S. ROLLS BACK ON BATTLING CLIMATE CHANGE – WHILE CHINA PULLS AHEAD.

HELLO EVERYONE. I'M DARIELLE SNIPES, FILLING IN FOR RICK JACKSON. HE'S TAKING A WELL-DESERVED VACATION THIS WEEK!

WITH THE STROKE OF A PEN, PRESIDENT TRUMP MOVED TO UNRAVEL ENVIRONMENTAL REGULATIONS ENACTED BY THE OBAMA ADMINISTRATION – DRAMATICALLY CHANGING THE US APPROACH TO FIGHTING CLIMATE CHANGE.

CLIMATE CHANGE REFERS TO A CHANGE IN THE CONDITIONS HERE ON EARTH – SPECIFICALLY, SCIENTISTS ARE CONCERNED THAT OUR PLANET IS WARMING UP – AND FAST! IT MIGHT SOUND NICE COMING OUT OF ANOTHER OHIO WINTER, BUT WARMER TEMPERATURES ARE CAUSING CHANGES AROUND THE WORLD, SUCH AS MELTING GLACIERS AND STRONGER STORMS. SCIENTISTS BELIEVE THAT AT LEAST SOME OF THE CHANGES ARE CAUSED BY BURNING FOSSIL FUELS LIKE COAL.

BUT WE ALL DEPEND ON COAL, AND OTHER FOSSIL FUELS, FOR ENERGY – AND, PRESIDENT TRUMP SAYS THAT MANY AMERICANS RELY ON THE COAL INDUSTRY FOR JOBS. THAT'S WHY HE DECIDED TO ROLL BACK OBAMA'S POLICIES.

--SOT--

PRES. TRUMP:

"... MY ADMINISTRATION IS PUTTING AN END TO THE WAR ON COAL."

"I AM TAKING HISTORIC STEPS TO LIFT THE RESTRICTIONS ON AMERICAN ENERGY, TO REVERSE GOVERNMENT INTRUSION AND TO CANCEL JOB KILLING REGULATIONS."

ACROSS THE GLOBE, ANOTHER GOVERNMENT HAS REVERSED ITS STANCE ON CLIMATE CHANGE. CHINA, KNOWN FOR ITS DEADLY SMOG, HAS RECENTLY MADE EFFORTS TO GO GREEN! WILL RIPLEY HAS MORE ABOUT THIS CLIMATE CHANGE ROLE-REVERSAL.

TWO DRAMATICALLY DIFFERENT PHOTO OPS JUST HOURS APART.

CHINESE PRESIDENT XI JINPING PLANTING TREES IN BEIJING.

TALKING ABOUT PROTECTING NATURE.

PRESIDENT TRUMP SIGNING AN EXECUTIVE ORDER IN WASHINGTON.
DISMANTLING PRESIDENT OBAMA'S CLIMATE CHANGE POLICIES.

THE LEADERS OF THE WORLD'S TWO BIGGEST POLLUTERS --

CHINA READY TO TAKE THE LEAD ON GOING GREEN.

Li Ying/Beijing Resident: "I'm a bit shocked," SAYS THIS BEIJING RESIDENT. "But that's okay. Our national leaders are paying much more attention than before."

Zhang Daguo/Insurance: "I don't feel like President Xi has done very much," HE SAYS. "We're not seeing the results."

IT'S TRUE -- THERE ARE STILL MANY SMOGGY DAYS IN CHINESE CITIES LIKE BEIJING.
BUT AS THE US SEEMS TO BE REVERSING COURSE ON CLIMATE CHANGE -- CHINA IS CHANGING ITS APPROACH.
EVEN THE HARDLINE STATE NEWSPAPER GLOBAL TIMES IS CALLING OUT TRUMP --
URGING AMERICANS TO STOP HIS CLIMATE POLICIES.

FOR YEARS -- THE CHINESE GOVERNMENT MISLED THE PUBLIC ON POLLUTION -- AND SUPPRESSED ENVIRONMENTAL ACTIVISTS.

"Some of the factories are not in compliance."

NOW -- THEY'RE WORKING TOGETHER.
CREATING THIS APP SHOWING REAL TIME POLLUTION DATA -- PRESSURING VIOLATORS TO CLEAN UP THEIR ACT.

Ma Jun/Activist: "Now finally there's a real political will to try and control the pollution."

TIMES HAVE DEFINITELY CHANGED.
AS THE US ROLLS BACK ENVIRONMENTAL REGULATIONS --

-- CHINA'S INVESTING HUNDREDS OF BILLIONS OF DOLLARS IN CLEAN ENERGY.
LIKE THIS WIND TURBINE FACTORY.

AND A CHINESE TECH FIRM BUYING INTO US-ELECTRIC CAR-MAKER TESLA.

MANY CHINESE ARE FED UP WITH TOXIC SMOG.
A DEADLY BYPRODUCT OF DECADES OF ECONOMIC GROWTH.
BELIEVED TO KILL MORE THAN 2 MILLION PEOPLE IN CHINA EACH YEAR.

Aaron Cheng/Real Estate Employee: "Other countries have experienced pollution," SAYS THIS MAN. "So we have examples of how to deal with it."

THE WORLD'S BIGGEST POLLUTER HOPES TO PUT BAD AIR IN THE PAST.

THANKS, WILL. WHILE THE PRESIDENT IS BUSY MAKING BIG DECISIONS, FIRST DAUGHTER IVANKA TRUMP IS MAKING TECH-Y SUMMER PLANS – SHE'S LEARNING HOW TO SPEAK "COMPUTER."

TRUMP SAYS SHE AND HER FIVE-YEAR-OLD DAUGHTER WILL BE TAKING A COMPUTER CLASS TOGETHER – TO LEARN HOW TO CODE.

CODING MEANS TELLING A COMPUTER WHAT TO DO BY GIVING IT COMMANDS – IN A SPECIAL COMPUTER LANGUAGE. COMPUTER PROGRAMMERS USE MANY DIFFERENT "LANGUAGES" TO DESIGN, WRITE AND MAINTAIN COMPUTER PROGRAMS.

THE FIRST DAUGHTER REVEALED THE NEWS WHILE SPEAKING TO MIDDLE SCHOOL STUDENTS AT AN EVENT IN WASHINGTON...

--SOT--

IVANKA TRUMP/ PRESIDENT TRUMP'S DAUGHTER
"MY DAUGHTER, ARABELLA, AND I ARE ENROLLING IN A CODING CLASS THIS SUMMER. WE'RE EXCITED TO LEARN THIS INCREDIBLY IMPORTANT NEW LANGUAGE TOGETHER. CODING TRULY IS THE LANGUAGE OF THE FUTURE."

IVANKA HOPES TO INSPIRE YOUNG WOMEN TO PURSUE CAREERS IN THE GROWING, BUT MALE-DOMINATED TECH INDUSTRY.

HER REMARKS CAME AS THE U.S. OBSERVED AN ANNUAL REMINDER THAT WE STILL HAVE A WAYS TO GO FOR WORKING WOMEN TO ACHIEVE EQUALITY.

APRIL 4 WAS EQUAL PAY DAY – THE DAY THAT REPRESENTS HOW FAR INTO 2017 A WOMAN MUST WORK IN ORDER TO EARN WHAT A MAN DID IN THE PREVIOUS YEAR.

SO, FOR INSTANCE, IF A MAN EARNED 50 THOUSAND DOLLARS IN 2016, THE AVERAGE WOMAN WOULD HAVE TO WORK ALL THE WAY UNTIL APRIL 4TH TO MAKE THE SAME AMOUNT OF MONEY! WOMEN OF COLOR FARE EVEN WORSE -- EQUAL PAY DAY DOESN'T COME UNTIL *AUGUST* FOR BLACK WOMEN, AND, ON AVERAGE, HISPANIC WOMEN WOULD HAVE TO WORK UNTIL *NOVEMBER* TO EARN THE SAME AMOUNT.

IT SOUNDS VERY UNFAIR, BUT THERE ARE MANY CONTRIBUTING FACTORS – AND THE WAGE GAP IS MUCH SMALLER THAN IT USED TO BE. TODAY, WOMEN MAKE AN AVERAGE OF 79 CENTS FOR EVERY DOLLAR A MAN EARNS – OR APPROXIMATELY 20% LESS.

[CLIP FROM "#20PERCENTCOUNTS SEE WHAT 20% LESS LOOKS LIKE"]

TO EVEN THINGS UP – AND TO HIGHLIGHT THE GENDER PAY GAP -- SOME BUSINESSES OFFERED 20% OFF TO WOMEN ON APRIL 4TH -- AS PART OF THE HASHTAG-20-PERCENT-COUNTS CAMPAIGN.

AS THE BATTLE OVER THE PAY GAP SHOWS US, MANY WOMEN HAVE STEPPED OUT OF TRADITIONAL ROLES AND ENTERED THE WORKFORCE – AND ONE PLACE WE SEE A REFLECTION OF THESE CHANGING ROLES IS ON THE SILVER SCREEN.

FOR INSTANCE, DISNEY PRINCESSES ARE TRADING IN THEIR BALL GOWNS AND CROWNS FOR STURDY BOOTS, TEACHING MILLIONS OF GIRLS AND BOYS AROUND THE GLOBE THAT BEING A POWERFUL, STRONG AND COURAGEOUS GIRL IS THE NEW VERSION OF A MODERN-DAY DISNEY PRINCESS.

MAGGIE LAKE HAS MORE.

"SOMEDAY MY PRINCE WILL COME..."

SNOW WHITE PINED FOR HER ELUSIVE PRINCE IN THE EARLY DAYS OF DISNEY.

"LET THEM GO! THAT'S MY GIRL!"

TODAY-THERE'S A NEW BREED OF HEROINE-

"HOW DO PEOPLE WALK IN THESE THINGS?"

-OUT TO OVERTURN ALL THE STEREOTYPES.

"FOR EVERY GIRL THAT DREAMS BIG, THERE IS A PRINCESS TO SHOW HER ITS POSSIBLE."

PRINCESSES HAVE ALWAYS BEEN CELLULOID ROYALTY AT DISNEY- WINNING THE HEARTS OF MILLIONS FOR DECADES.

TODAY, THEY ARE HELPING TO BOTH EMPOWER AND INSPIRE.

Chloe Melas, CNNMoney Entertainment Reporter: "These Disney princesses are not just wearing ballgowns - they're getting down and dirty and they're fighting. And they're speaking their minds and its incredibly powerful specially for this young audiences to see that."

"THE FEARS THAT ONCE CONTROLLED ME, CAN'T GET TO ME AT ALL!"

DISNEY HAS EVERY INCENTIVE TO KEEP THEIR PRINCESS FRANCHISE HUMMING.

FROZEN, FEATURING 2 STRONG HEROINES, IS THE BEST PERFORMING ANIMATED MOVIE IN DISNEY HISTORY, TAKING IN OVER 1 AND A QUARTER BILLION DOLLARS WORLDWIDE.

AND WITH JUST A FEW WEEKS IN THEATERS, BEAUTY AND THE BEAST ALREADY HAS EARNINGS OF MORE THAN 700 MILLION DOLLARS.

Brian Lowery: CNN Movie Critic: "I think they've been smart enough to recognize that they needed to evolve to suit the times and they couldn't be mired in the sort of someday my prince will come mentality."

"COME INTO THE LIGHT."

BEAUTY AND THE BEAST IS JUST THE LATEST FILM THAT HAS CHANGED WITH THE TIMES.

EMMA WATSON, WHO PLAYS BELLE IN THE LATEST REMAKE KNEW IMMEDIATELY THAT HER CHARACTER NEEDED A REBOOT.

Emma Watson, "Belle": "In Autumm she is actually an activist within her own community. She is teaching other young girls to read."

"WHO SAID THAT?"

AND DISNEY'S EFFORT TO FRESHEN UP ITS CATALOG IS JUST BEGINNING, WITH ITS NEW FILMS BLENDING LIVE ACTION AND CUTTING EDGE ANIMATION.

Chloe Melas, CNNMoney Entertainment Reporter: "When you look at their 22 live actions that are in the works, we have several that will feature strong women like Snow White, The Little Mermaid, Mulan."

PRINCESSES HAVE ALWAYS BEEN IN DISNEY'S DNA. AND THE STUDIO WANTS TO PRESERVE ITS BELOVED STORIES FOR THE GENERATIONS OF PRINCESSES YET TO COME. MAGGIE LAKE, CNN MONEY, NEW YORK.

THANKS, MAGGIE.

DISNEY MOVIES ARE ONE THING, BUT NOT EVERY STORY HAS A HAPPY ENDING – AND, FOR RESIDENTS IN SOUTHERN COLOMBIA, THEIR VILLAN LAST WEEK WAS MOTHER NATURE.

RESCUERS THERE SCRAMBLED LAST WEEK TO REACH MORE THAN 100 PEOPLE WHO WENT MISSING AFTER DEVASTATING MUDSLIDES TORE THROUGH COMMUNITIES.

A MUDSLIDE IS A MASS OF MUD THAT HAS FALLEN DOWN A HILLSIDE. IN THIS CASE, THE MUDSLIDE WAS CAUSED BY HEAVY RAINS – WHICH OVERFLOWED RIVERS AND SENT MUD RUSHING THROUGH THE CITY OF MOCOA.

SOME FAMILIES ESCAPED AT THE LAST MINUTE BEFORE THEIR HOMES WERE DESTROYED.

THE COLOMBIAN PRESIDENT VISITED THE AREA OVER THE WEEKEND -- JUAN MANUEL SANTOS SAID WHAT HE SAW BREAKS HIS HEART.

THE LAND DOWN UNDER ALSO SAW SOME EXTREME WEATHER AS CYCLONE DEBBIE CRASHED THROUGH QUEENSLAND.

NASA'S TERRA SATELLITE CAPTURED THIS IMAGE OF THE CATEGORY 4 CYCLONE AS IT TOUCHED DOWN ON AUSTRALIA'S COAST LAST WEEK.

THIS MASS OF SPINNING CLOUDS LOOKS A BIT DIFFERENT WHEN YOU EXPERIENCE IT FROM LAND. AT ONE POINT EIGHT INCHES OF RAIN FELL WITHIN THE SPAN OF AN HOUR, AS WINDS ROSE TO 185 MILES PER HOUR.

THESE FEROCIOUS WINDS FORCED THOUSANDS OF PEOPLE FROM THEIR HOMES – AND TENS OF THOUSANDS OF PEOPLE ARE WITHOUT POWER.

A CYCLONE IS A LARGE ROTATING STORM WITH HIGH-SPEED WINDS THAT FORMS OVER WARM WATERS IN TROPICAL AREAS. IT'S THE SAME WEATHER EVENT AS A HURRICANE -- BUT WHEN THEY HAPPEN OVER THE INDIAN OCEAN NEAR AUSTRALIA THEY'RE CALLED CYCLONES.

DEBBIE IS THE WORST CYCLONE TO HIT AUSTRALIA IN YEARS.

BUT HOW DID THE CYCLONE WIND UP WITH THE NAME DEBBIE? WELL, METEOROLOGISTS – THE EXPERTS WHO FORECAST WEATHER – NAME STORMS BECAUSE IT HELPS PEOPLE REMEMBER AND IDENTIFY THEM EASIER.

THE WORLD METEOROLOGICAL ORGANIZATION CREATES A FORMAL LIST OF STORM NAMES PRIOR TO THE START OF EACH HURRICANE OR CYCLONE SEASON – AND THE NAMES ARE ASSIGNED ALPHABETICALLY. THERE ARE SIX LISTS OF NAMES FOR EACH REGION OF THE WORLD, SO THE NAMES ARE RECYCLED EVERY 6 YEARS. THIS HURRICANE SEASON, WE HAVE SOME INTERESTING NAMES ON THE LIST FOR ATLANTIC TROPICAL STORMS – LIKE OPHELIA, TAMMY, AND GERT!

BUT THE WORLD METEOROLOGICAL ORGANIZATION RECENTLY ANNOUNCED THAT THERE'S TWO NAMES WE WON'T BE SEEING ON THE LIST ANY MORE – MATTHEW

AND OTTO. THE ORGANIZATION RETIRES NAMES WHEN A STORM IS PARTICULARLY DESTRUCTIVE – LIKE HURRICANE MATTHEW WHICH WRECKED HAVOC OVER HAITI AND OTTO WHICH CAUSE MILLIONS OF DOLLARS OF DAMAGE ACROSS THREE CENTRAL AMERICAN COUNTRIES. MATTHEW AND OTTO HAVE BEEN REPLACED WITH MARTIN AND OWEN – WHICH MIGHT BE USED STARTING IN 2022.

BUT IT'S NOT JUST MATTHEW AND OTTO RIDING OFF INTO THE SUNSET. ANOTHER BIG RETIREMENT WAS ANNOUNCED LAST WEEK!

COLORFUL COMPANY CRAYOLA SAID GOODBYE ONE OF ITS CLASSIC COLORS IN THE POPULAR 24-COUNT PACK OF CRAYONS.

THE BRIGHT-YELLOW COLOR KNOWN AS DANDELION IS RETIRING TO THE CRAYOLA HALL OF FAME, AFTER A RELATIVELY SHORT 27 YEARS OF SERVICE. CRAYOLA HONORED THE CRAYON WITH A SHORT VIDEO SENDOFF, CALLING THE COLOR “ADVENTUROUS.”

THIS RETIREMENT MAKES WAY FOR A YOUNG UPSTART IN THE BLUE FAMILY TO JOIN THE LINEUP – BUT DETAILS ABOUT THE COLOR HAVE YET TO BE REVEALED.

THIS IS NOT THE FIRST TIME THE COMPANY HAS RETIRED COLORS.

IN 1990, EIGHT SHADES WERE RETIRED AND EIGHT NEW ONES, INCLUDING DANDELION, WERE INTRODUCED.

THAT BRINGS US TO THIS WEEK'S POLL QUESTION: WHICH RETIRED CRAYON COLOR WOULD YOU LIKE TO SEE CRAYOLA BRING BACK?

WE HAVE FOUR BRIGHT OPTIONS FOR YOU TO CHOOSE FROM:

THE GOLDEN YELLOW-Y MAIZE, THE FRUITY PURPLE MULBERRY, THE REFRESHING MAGIC MINT, OR THE COOL TEAL BLUE. CHOOSE YOUR FAVORITE SHADE BY CLICKING ON THE POLL BUTTON ON OUR WEBSITE.

AFTER YOU'VE VOTED, WRITE TO US – AND TELL US, IF YOU CALLED THE SHOTS AT CRAYOLA WHAT CURRENT COLOR YOU WOULD CHOOSE TO RETIRE AND WHY? PERSONALLY, I MIGHT GET RID OF AN UGLY GRAY!

WE CAN'T WAIT TO HEAR WHAT YOU HAVE TO SAY, BECAUSE WE KNOW MANY OF YOU HAVE A LOT OF EXPERIENCE WITH COLOR – WE SEE THE VIBRANT ARTWORK YOU SEND NEARLY EVERY WEEK!

SOME *PROFESSIONAL* ARTISTS USE CRAYONS TOO – BUT, NOT THE CRAYOLA KIND...INSTEAD, MANY USE WHAT ARE CALLED PASTELS – THAT'S A FANCY TYPE OF CRAYON THAT PRODUCES MORE VIBRANT COLOR. IN THIS WEEK'S BUCKEYE BEAT, WE'LL MEET COLORFUL PASTEL ARTIST JUDY CARDUCCI (CAR-DOOCH—EE) AND HEAR WHERE SHE DRAWS INSPIRATION FOR HER LIVELY PORTRAITS.

[PKG]

WOW – THAT’S SOME AMAZING CREATIVITY AT WORK! ANOTHER PLACE WE FOUND A WEALTH OF CREATIVITY: YOUR RESPONSES TO LAST WEEK’S SHOW! LET’S SEE HOW YOU VOTED IN IN THIS WEEK’S POLL! WE ASKED: WOULD YOU TAKE AN ONLINE EYE EXAM INSTEAD OF GOING TO A DOCTOR? AND A WHOOPING 81% OF YOU RESPONDED WITH A RESOUNDING NO!

TO FIND OUT WHY – LET TOOK A LOOK INSIDE OUR INBOX:

WILLIAM FROM VANGORDEN ELEMENTARY SAID NO TO AN ONLINE EYE TEST – WRITING:

I WOULD MUCH RATHER GO TO AN ACTUAL EYE DOCTOR. FOR STARTERS, ON THE TEST WHEN YOU HAVE TO READ LETTERS OR NUMBERS, PEOPLE COULD CHEAT AND STARE UP AT THE SCREEN REALLY CLOSE. ALSO, I WOULD TRUST AN ACTUAL PERSON MORE BECAUSE THEY WOULD ACTUALLY KNOW WHAT THEY ARE DOING.

LACHLAN (LACK-LIN) AND LARKEN (LAR-KIN) FROM SIDNEY FENN ELEMENTARY AGREED, TELLING US:

WE PICKED NO BECAUSE WE FEEL THAT IF YOU TAKE AN ONLINE EYE TEST IT WILL BE INACCURATE. ALSO, WHEN YOU TAKE IT ONLINE YOU COULD POSSIBLY FIGURE OUT A WAY TO CHEAT.

EMMY FROM MEADOWLAWN ALSO PREFERS A REAL DEAL EYE TEST, SAYING:

I WOULD NOT TAKE AN ONLINE EYE EXAM BECAUSE, I WOULDN'T TRUST IT. I THINK IT WOULD MESS ME UP BECAUSE OF THE BRIGHTNESS ON YOUR DEVICE. THE BRIGHTNESS MIGHT MAKE YOU SQUINT AND THAT WOULD MESS YOU UP ON WHAT YOU SEE.

BUT ZEN FROM JACKSON CENTER ELEMENTARY DISAGREED – AND RAISES A GOOD POINT, TELLING US:

I WOULD USE MY PHONE TO CHECK MY EYES BECAUSE MY MOM WOULDN'T HAVE TO MAKE THE LONG DRIVE THERE. I ALSO THINK THAT KIDS SHOULDN'T BE MISSING SCHOOL TO GO TO AN EYE DOCTOR WHEN YOU CAN JUST CHECK YOUR EYES RIGHT THEN AND THERE.

AVERY FROM LAKEVIEW MIDDLE SCHOOL, ALSO VOTED YES FOR A VERY DIFFERENT REASON, SHE WRITES:

I VOTED YES BECAUSE IF I TELL MY PARENTS THAT I’M GETTING MY EYES CHECKED I CAN PUT ON HEADPHONES AND WATCH NEWSDEPTH INSTEAD!

THANKS AVERY! WHILE WE DON’T SUPPORT LYING TO YOUR PARENTS, WE DO VERY MUCH SUPPORT WATCHING NEWSDEPTH! YOU GAVE US ALL HERE A GOOD LAUGH.

THANKS ALSO WILLIAM, LACHLAN, EMMY, AND ZEN FOR YOUR EYE-OPENING RESPONSES!

WELL, AS OPTIMOMETRISTS PIONEER NEW WAYS TO TEST OUR VISION, HERE IN OHIO THIS WEEK, WE’RE CELEBRATING PIONEERS OF A VERY DIFFERENT SORT. OHIO’S FIRST EUROPEAN INHABITANTS SET FOOT IN THE BUCKEYE STATE FOR THE FIRST TIME ON APRIL 7TH 1788 – THAT’S ALMOST TWO HUNDRED AND THIRTY YEARS AGO! UP NEXT KNOW OHIO’S MARY FECTEAU TELLS US ABOUT THIS IMPORTANT MOMENT IN HISTORY THAT LEAD TO THE STATE WE KNOW TODAY.

TODAY OHIO IS HOME TO BUSTLING CITIES, BOOMING INDUSTRIES – AND OVER 11 MILLION PEOPLE OF ALL DIFFERENT BACKGROUNDS, BUT ABOUT 230 YEARS AGO, WHEN THE FIRST EUROPEAN SETTLERS ARRIVED. OHIO LOOKED KIND OF LIKE THIS:

VISITING OHIO BACK THEN WOULD BE LIKE TAKING THE MOST INTENSE CAMPING TRIP OF YOUR LIFE – WITH ROUGH TERRAIN AND UNTAMED FORESTS FULL OF SOME PRETTY SCARY WILD ANIMALS!

NATIVE AMERICANS HAD BEEN BRAVING THE OHIO WILDERNESS FOR THOUSANDS OF YEARS, BUT THE FIRST EUROPEANS TO SET FOOT IN OHIO – WEREN'T EXACTLY CHARMED BY IT. FRENCH AND ENGLISH EXPLORERS CAME AND WENT, EVEN SETTING UP TRADING POSTS IN OHIO AS EARLY AS THE 1660'S -- BUT NOBODY WAS WILLING TO ACTUALLY LIVE HERE. THAT IS UNTIL A DARING GROUP OF NEW ENGLANDERS HATCHED A PLAN IN 1787.

THEY MET HERE – AT THE BUNCH OF GRAPES TAVERN IN BOSTON – AND TALKED ABOUT HOW COOL IT WOULD BE TO SET UP A COMMUNITY IN THE GREAT WILDERNESS WEST OF PENNSYLVANIA – KNOWN THEN AS THE NORTHWEST TERRITORY. THE LEADERS OF THIS GROUP WERE MANASSEH CUTLER AND RUFUS PUTNAM –AND THEY ASSEMBLED A HEARTY GROUP OF 48 REVOLUTIONARY WAR VETERANS TO MAKE THE DIFFICULT JOURNEY WEST. THIS GROUP WAS OFFICIALLY CALLED THE OHIO COMPANY OF ASSOCIATES – BUT, NOW, WE REFER TO THEM AS THE FIRST 48!

THEY LEFT FROM NEW ENGLAND IN DECEMBER – AND THE JOURNEY INCLUDED SOME PARTICULARLY HARSH WINTER WEATHER, BUT THESE MEN WERE WAR HEROES, FOR GOD SAKES! ONCE THEY MADE IT TO PENNSYLVANIA IN ONE PIECE, THEY BUILT RAFTS AND CANOES, WHICH CARRIED THEM ALONG THE YAAK-A-GEEN-EE RIVER AND ON TO THE OHIO RIVER – WHERE THEY EVENTUALLY LANDED IN SOUTHEASTERN OHIO TO ESTABLISH THE FIRST PERMANENT SETTLEMENT HERE. THEY CALLED IT MARIETTA IN HONOR OF MARIE ANTOINETTE, THE FRENCH QUEEN AT THE TIME – THIS IS BECAUSE FRANCE WAS OUR ALLY DURING THE REVOLUTIONARY WAR – AND, REMEMBER, THESE MEN HAD ALL FOUGHT IN THE WAR.

THESE EARLY OHIOANS GOT TO WORK DIVVYING UP THE LAND. THE FIRST 48 GOT THEIR LAND DONATED BY THE FEDERAL GOVERNMENT – AND OTHER PIECES OF LAND WERE SOLD TO INVESTORS AND PIONEERS WHO CAME OUT LATER. MOST OF THESE SETTLERS WERE NEW ENGLANDERS – AND THEY SET UP OHIO'S FIRST CITY TO LOOK A LOT LIKE THE CITIES THEY LEFT BEHIND.

THEY SET ASIDE LAND FOR GOVERNMENT, AND FOR CHURCHES, AND FOR EDUCATION. EDUCATION WAS SO IMPORTANT TO THESE EARLY SETTLERS, THAT THEY LEFT A SIZEABLE PATCH OF OHIO'S EARLY LAND FOR THIS PURPOSE. AND WHEN OHIO BECAME A STATE 15 YEARS LATER, ONE OF THE OHIO GENERAL ASSEMBLY'S FIRST ACTS WAS TO ESTABLISH "THE OHIO UNIVERSITY" ON THIS LAND. THE UNIVERSITY OPENED IN 1808 WITH ONE BUILDING, THREE STUDENTS, AND ONE PROFESSOR – BUT IT GREW INTO WHAT IS NOW OHIO UNIVERSITY IN ATHENS -- OHIO'S OLDEST EDUCATIONAL INSTITUTION. RUFUS PUTNAM, WHO LED THE FIRST 48 TO OHIO, WAS AN EARLY TRUSTEE OF THE UNIVERSITY – IN 1926 OHIO UNIVERSITY'S PUTNAM HALL WAS NAMED IN HONOR OF THIS EARLY OHIO PIONEER.

EVENTUALLY, SETTLERS PUSHED FURTHER INTO OHIO, AND, SOON, MARIETTA WAS DWARFED BY GROWING CITIES, LIKE CINCINNATI AND CLEVELAND – BUT MARIETTA WILL ALWAYS BE OHIO’S FIRST CITY.

WHILE OHIO HAS CHANGED QUITE A BIT SINCE THE DAYS OF RUFUS PUTNAM AND THE OHIO COMPANY OF ASSOCIATES, ONE THING THAT SEEMS TO HAVE REMAINED THE SAME IS THE SKY ABOVE US. BUT IN THIS WEEK’S SPOT ON SCIENCE, MARGARET THOMPSON DESCRIBES SOME FLUFFY NEW ADDITIONS FLOATING OVERHEAD.

Have you ever gone cloud gazing – you know when you look up at the sky to see what shapes you can find in the clouds? Maybe you’ve seen a heart or a dragon or... a newscat? Hey that can’t be real! Clouds are classified by their shapes and how high they are in the sky.

Maybe you’ve heard of some of the most common cloud types – the fluffy low cumulus, wispy high cirrus or earth hugging hazy stratus. But just this past week a new set of cloud types was added to the International Cloud Atlas – it’s been 30 years since the world’s cloud authority added a new classification of cloud to their books. Let’s take a look at some of these new guys in the skies.

First up, the volutus. Volutus is Latin for rolled. See how the cloud looks wrapped up like a burrito? Usually the rolls stick to themselves and are common in Australia where they are call a morning glory cloud.

The next new cloud isn’t quite as cuddly. Asperitus clouds are rough and choppy. They almost look like someone shaking a blanket. Despite their ominous waves, these clouds usually break up without even forming a storm.

Even more of an ocean in the sky are the new type of cloud called fluctus. They “really” look like a row of waves in the sky, don’t they? They form when the top of a cloud moves faster than the bottom.

Finally how about this one. The cavum is a hole punch in the sky. They can form when a plane flies through the clouds or when the cloud is super cool and part of it condenses into a wispy spot.

Ahh so many new shapes to spot in the sky! I better get out my binoculars!

WHILE SOME SCIENTISTS DO THEIR RESEARCH LOOKING UP – OTHERS LEARN NEW THINGS LOOKING DOWN AT TEST TUBES IN A LAB!

ONE EXAMPLE IS THE BIOMEDICAL RESEARCH TEAM AT WORCESTER POLYTECHNIC INSTITUTE. BIOMEDICINE IS THE INTERSECTION OF NATURAL SCIENCES, LIKE BIOLOGY, AND MEDICINE. BIOMEDICAL RESEARCHERS LOOK FOR WAYS TO SOLVE HEALTH PROBLEMS THROUGH NATURE – AND, WHILE EVERYONE KNOWS THAT SPINACH IS A HEART HEALTHY FOOD – BIOMEDICAL SCIENTISTS IN MASSACHUSETTS HAVE FOUND A WAY TO TAKE THE SUPERFOOD’S HEART BENEFITS TO A WHOLE NEW LEVEL!

JEREMY ROTH HAS MORE.

SCIENTISTS FOUND A WAY TO TURN A SPINACH LEAF INTO A WORKING HUMAN HEART MUSCLE
RESEARCHERS SAY THEY CAME UP WITH THE IDEA OVER LUNCH
THE GOAL WAS TO REPLICATE A HUMAN VASCULAR SYSTEM USING A LEAF'S NETWORK OF VEINS
FIRST, THE LEAVES WERE STRIPPED OF THEIR CELLS USING DETERGENT, TURNING THEM TRANSLUCENT
THEN, THE SPINACH VEINS WERE SEEDED WITH HUMAN HEART CELLS
AFTER A FEW DAYS, THE LEAVES' MUSCLE CELLS BEGAN TO BEAT
YOU CAN SEE INJECTED RED DYE COURSING THROUGH THE SPINACH VEINS
SCIENTISTS HOPE THEIR RESEARCH COULD SOME DAY HELP TREAT HEART ATTACK PATIENTS

WOW! THAT SPINACH CERTAINLY HAS A HEART – BUT SOMEONE THAT'S STOLEN OUR HEARTS IS FIONA, THE CINCINNATI ZOO'S NEWEST AMPHIBIOUS ADDITION.

THE ZOO RECENTLY POSTED AN UPDATE ON EVERYONE'S FAVORITE BABY HIPPOPOTAMUS – AND IT WAS NOTHING BUT GOOD NEWS! THE HIPPO, WHO WAS BORN PREMATURE, IS NOW WEIGHING IN AT A HEARTY 116 POUNDS. ADULT NILE HIPPOS WEIGH AN AVERAGE OF THREE THOUSAND FIVE HUNDRED POUNDS!

THE ZOO ALSO POSTED THIS SNAP OF FIONA SCOPING OUT HER PARENTS IN THEIR OUTDOOR HABITAT FOR THE FIRST TIME. FIONA HAS BEEN RAISED BY HUMAN CAREGIVERS SINCE SHE WAS BORN, AND ISN'T QUITE READY TO VENTURE OUTSIDE TO MEET HER PARENTS, BUT SHE IS GETTING FAMILIAR WITH THE LOOK AND SMELL OF THE GREAT OUTDOORS AT THE CINCINNATI ZOO.

SPEAKING OF ZOO ANIMAL BABIES...WE WERE HOPING THAT THIS WAS THE WEEK WE'D BE ABLE TO INTRODUCE YOU TO APRIL THE GIRAFFE'S NEW BUNDLE OF JOY – BUT THE WEB-STREAM STAR AT THE ANIMAL ADVENTURE PARK IN NEW YORK TURNED US ALL INTO APRIL FOOLS BY MAKING IT THROUGH YET ANOTHER WEEKEND WITHOUT GIVING BIRTH. AS OF THIS TAPING, APRIL IS STILL PREGNANT...AND, WE'RE STILL WAITING, ALONG WITH A QUARTER MILLION PEOPLE WHO TUNED IN TO HER WEBCAM OVER THE WEEKEND!

BUT, UNLIKE APRIL THE GIRAFFE, OUR A PLUS THIS WEEK DOESN'T DISAPPOINT. SHE'S A STAR WRESTLER WHO USES HER DISABILITY AS AN ADVANTAGE.

14 YEAR OLD GODDESS MA'ALONA-FALETOGO (MAL-ALONA FA-LA-TOE-GO) IS A FRESHMAN WRESTLER COMPETING IN THE 235 –POUND WEIGHT CLASS FOR THOMAS JEFFERSON HIGH SCHOOL....SHE'S ALSO BLIND.

ON THE MAT, GODDESS RELIES ON HER KEEN SENSE OF TOUCH AND HER ATHLETIC ABILITY...AND SHE'S MOTIVATED TO PROVE HER DISABILITY CAN'T PIN HER DOWN.

FOR BEING AN INSPIRATION ON AND OFF THE MAT A WRESLING GODDESS GETS THIS WEEK'S A-PLUS!

WELL, OUR FRIEND NEWS CAT PROBABLY WOULDN'T WANT TO MEET GODDESS ON THE MAT – UNLESS IT WAS TO GET A HEAD SCRATCH OR A TREAT!

LET'S CHECK IN TO SEE WHAT OUR FAVORITE FELINE IS UP TO!

[PETTING ZOO]

HI NEWS CAT!

BOY, YOU'RE LOOKING PLEASED WITH YOURSELF!

OH, I SEE, IT'S BECAUSE YOU AND YOUR ROOMMATE MARY JUST SERVED AS CELEBRITY JUDGES FOR CLEVELAND.COM'S CUTEST CAT CONTEST! NEWS CAT'S FAVORITE KAY-NO DIDN'T TAKE THE TOP PRIZE, BUT SHE CAN'T COMPLAIN ABOUT WINNER ZULU!

NEWS CAT THINKS THERE SHOULD HAVE BEEN A TALENT PORTION TO THE CONTEST --- HER TALENT WOULD HAVE OBVIOUSLY BEEN TYPING...LOOK AT THOSE PAWS GO!

SHE'S A BIT TIRED OF LOOKING AT CATS, SO HER PICK THIS WEEK IS A HUNGRY BEAR...WHO ORDERED TAKEOUT! TO GET THE SCOOP ON THIS REAL-LIFE YOGI 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 DARRIELLE SNIPES. RICK JACKSON WILL BE BACK NEXT WEEK.