

WZTV
CHILDREN'S PROGRAMMING
FOURTH QUARTER 2018

- I. FULL-LENGTH CHILDREN'S (CORE PROGRAMMING)
EDUCATIONAL AND INFORMATIONAL PROGRAMMING
- PROGRAM TITLES
 - PROGRAM LENGTHS
 - PROGRAM DESCRIPTIONS
- II. COMMERCIAL LIMITATIONS (UNDER SEPARATE COVER)

CHILDREN'S CORE PROGRAMMING

WZTV

FOURTH QUARTER 2018

XPLORATION EARTH 2050 - TARGETS AGES 13-16 YEARS

Aired: Saturdays @ 7:00AM-- A Half Hour Program

This program strives to answer questions about where advancements in science, technology, engineering, and mathematics may lead us in the future. Scientists, inventors, doctors, science fiction writers, and creative thinkers add their input about what the world may look like in 2050. Viewers are taken on an educational adventure as the program tackles future challenges in everything from transportation to health care to the environment.

XPLORATION NATURE KNOWS BEST – TARGETS AGES 13-16

Aired: Saturdays @ 7:30AM-- A Half Hour Program

In this program, children learn about biomimicry and see how engineers imitate nature in the design of innovative products. They learn how the Manta Ray has inspired inventions related to ocean navigation as well as military applications; and how snakes have been copied to design robots that can rescue those trapped in small spaces. This program features the incredible world of animals and plants, and the inventions inspired by them.

XPLORATION OUTER SPACE – TARGETS AGES 13-16

Aired: Saturdays @ 8:00AM-- A Half Hour Program

Each week, host Emily Calandrelli takes journeys through space that will both entertain and educate viewers. Ever wonder what it would be like to live in space or on a different planet? Emily shows viewers what it is like to try to perform everyday tasks while floating in zero gravity and living in a Mars-like habitat. Episodes feature space robotics, commercial space tourism, asteroids, the search for other life in space, and many other topics, including NASA-related programs as applicable to the episodes.

XPLORATION AWESOME PLANET – TARGETS AGES 13-16

Aired: Saturdays @ 8:30AM-- A Half Hour Program

Host Philippe Cousteau (grandson of famed undersea explorer Jacques Cousteau) brings energy to every location he visits while seeking to inspire and educate viewers in earth sciences. This program takes an in-depth look at the unique and distinct features on planet Earth, from magnificent mountains to erupting volcanoes. Viewers will not only behold the beauty of gigantic glaciers, but also discover why they formed and how they shaped our landscape. Geological experts share their wisdom with Philippe, as he strives to understand places on, inside, and above the Earth.

TEEN KIDS NEWS – TARGETS AGES 13-16

Aired: Saturdays @ 11:00AM-- A Half Hour Program

This program features weekly educational features, such as "College and You" (tips for choosing and getting into college), and "Word" (vocabulary skills training), as well as informational features for teens: reports about healthy eating, driving tips for new drivers, and internet predators. The program has been designed to meet needs of children and young adolescents with a unique curiosity about their world, with weekly headlines that present the news in a teen-appropriate manner. The program stimulates the viewer's curiosity, develops learning, cognitive, listening and thinking skills, and serves as an enhancement to the viewer's academic and educational experience.

XPLORATION WEIRD BUT TRUE - TARGETS AGES 13-16 YEARS

AIRED: SUNDAYS @ 7:00AM-- A HALF HOUR PROGRAM

This program explores topics like ancient Greece, tornadoes and ostriches by uncovering fun, strange and surprising facts. An episode example includes making paper ships together and learning the history of pirates. Children are encouraged to be curious and learn about science, history and culture through creativity and the scientific method.

XPLORATION DIY SCI - TARGETS AGES 13-16 YEARS

AIRED: SUNDAYS @ 7:30AM-- A HALF HOUR PROGRAM

Host Steve Spangler shows viewers that the world is their laboratory. He uses "everyday" items to turn the world around him into a fund and unexpected laboratory. In each episode, Spangler will demonstrate science experiments and explain how they connect to real-world innovations.



MEMORANDUM

TO: PROGRAM DIRECTORS

FROM: FERN ROTFELD / CAROL BROOKS / BRUCE GENTER / MATT JAY

DATE: JUNE, 2017

RE: FCC OBJECTIVE LETTER – “XPLORATION EARTH 2050”

Xploration Earth 2050 – This series is also a part of a 3-hour block of STEM based E/I programs titled... **XPLORATION STATION**

What will the world look like in 2050? Where will advancements in science, technology, engineering, and mathematics lead us? **Xploration Earth 2050** strives to answer these questions and more with scientists, inventors, doctors, science fiction writers, and creative thinkers. This half hour weekly series, produced primarily for the 13-16 year old target audience will appeal to the whole family. Viewers will be taken on an educational adventure as the show tackles future challenges in everything from transportation to health care to the environment.

Xploration Earth 2050 is a half-hour weekly E/I series produced with the intention of increasing and expanding our target audience’ interest in the field of STEM education.

Steve Rotfeld Productions will provide a written synopsis of each episode for filing with our stations FCC Children’s Television Report. These write-ups will be emailed to stations on a quarterly basis. Also, each episode is close-captioned and E/I inscribed throughout.

If you need additional information, please feel free to contact us

Sincerely,

Fern Rotfeld
Director of Syndication Sales
fern@rotfeldproductions.com or matt@rotfeldproductions.com



STEVE ROTFELD PRODUCTIONS

“XPLORATION EARTH 2050”

SEASON V - 2018/2019

FCC FRIENDLY EPISODE WRITE-UPS

FOURTH QUARTER

Week of October 1, 2018 through week of December 24, 2018

Week of October 1, 2018 (Episode #105)

Mother Nature is the ultimate design innovator. Host Chuck Pell sees how humpback whales are showing designers how to save millions in energy costs. In the Florida Keys scientists are using the birds and the bees to wipe out killer mosquitos. And man's best friend is being trained to sniff out deadly diseases.

Week of October 8, 2018 (Episode #106)

Military planners are turning to technology to win battles of the future. Join host Chuck Pell as he plays videos games that are shaping modern battle plans. He'll fly drones that are carrying a lot more than weapons. And he will visit scientists who have found a way to make tomorrow's army invisible.

Week of October 15, 2018 (Episode #107)

Human beings have been able to survive in practically every environment on Earth---from deserts to the frozen reaches of the Arctic. But what about living under the sea? Host Chuck Pell tries out a underwater 'tent' that allows explorers to spend hours, and even days, beneath the ocean's surface. Future explorers use the Utah desert to simulate what it will be like to live on Mars. And a California architect combines cardboard with the ancient Japanese art of Origami to provide quick homes that work in almost any environment.

Week of October 22, 2018 (Episode #108)

Drones. They're the piece of future tech that everyone's talking about. The sky is the limit as host Chuck Pell discovers how drone technology is saving the lives of thousands in disaster sites around the world. He'll see how drones are being used to get vital medicines to isolated communities. And he'll get behind the console to compete against the best drone racers in America.



STEVE ROTFELD PRODUCTIONS
“XPLORATION EARTH 2050”

SEASON V - 2018/2019

FCC FRIENDLY EPISODE WRITE-UPS

FOURTH QUARTER

Week of October 1, 2018 through week of December 24, 2018

Week of October 29, 2018 (Episode #109)

Cops and Robbers isn't what it used to be, especially since law enforcement started employing new technology to catch bad guys. Host Chuck Pell experiences a forger's nightmare when his handwriting is analyzed with the latest computer software. He'll visit scientists who can tell police what a victim or suspect looks like simply by analyzing their DNA. And forensic anthropologists use bones---and computers---to put a face on the unidentified.

Week of November 5, 2018 (Episode #110)

Future tech is allowing us to look into the ancient past like never before. Host Chuck Pell sees how archeologists are using satellite imaging and 3D sensing to map ancient native American cities. Anthropologists use new techniques to get prehistoric bones to yield information about our shared heritage. And an English king is identified after lying buried under a parking lot for 500 years

Week of November 12, 2018 (Episode #111)

With an expected nine billion mouths to feed by 2050 and the threat of climate change we will need to change our traditional methods of growing food in order to survive. Host Chuck Pell introduces us to developments going on in labs, research farms, plant genetics and something called aquaponics to enhance our ability to grow food. We also examine the growing problem of food waste and what can be done to reduce the amount of food we throw away.

Week of November 19, 2018 (Episode #112)

Water is something we can no longer take for granted. Host Chuck Pell explores how drought stricken southern California is using millions of plastic balls to conserve water. He'll talk to engineers who are figuring out ways for astronauts to survive on Mars---where there's no drinkable water. And glaciers provide clues about Earth's' water supply that go back millions of years.



STEVE ROTFELD PRODUCTIONS

“XPLORATION EARTH 2050”

SEASON V - 2018/2019

FCC FRIENDLY EPISODE WRITE-UPS

FOURTH QUARTER

Week of October 1, 2018 through week of December 24, 2018

Week of November 26, 2018 (Episode #113)

You may not have a robot in your home now, but odds are you will have one, or more, within the next decade. Host Chuck Pell gets introduced to a 200 pound robot that's almost as graceful as a dancer. He'll walk the halls with a robot that makes deliveries in large office buildings. And he cuddles up with a robot designed to educate the toddlers of the future.

Week of December 3, 2018 (Episode #114)

Solar power is the fastest growing power source in the world; in fact, it's a new industry creating tens of thousands of jobs. Host Chuck Pell learns how the eyes of moths are being used to create more efficient solar energy. And he visits a giant 'farm,' where thousands of solar panels produce the ultimate form of cheap, and renewable, energy.

Week of December 10, 2018 (Episode #115)

Future tech is bringing the past alive. Join host Chuck Pell as Virtual Reality technology recreates ancient cities. And laser scanning and video animation give new life to old fossils.

Week of December 17, 2018 (Episode #116)

More people are moving to cities than ever before. And that's changing the way millions of people live. Join host Chuck Pell as he explores modern apartments built on assembly lines. He'll try the high tech furniture that makes the best use of limited space. And he'll take a tour of house barely bigger than a one car garage.

Week of December 24, 2018 (Episode #117)

Join host Chuck Pell as he goes to New York's fashion district to try the latest...in electric clothes. He'll also wear a new piece of wearable technology that uses his own energy to charge his phone. And he'll hit the treadmill in the ultimate shoe: the sneaker of the future.

MEMORANDUM

TO: PROGRAM DIRECTORS
FROM: FERN ROTFELD / CAROL BROOKS / MATT JAY / BRUCE GENTER
DATE: JUNE, 2017
RE: FCC OBJECTIVE LETTER – “XPLORATION NATURE KNOWS BEST”

Xploration Nature Knows Best – This show is part of a 3-hour block of STEM based E/I programs titled... **XPLORATION STATION**

Produced primarily for the 13-16 target audience, **Xploration Nature Knows Best** will inspire and educate audiences of all ages. Host and marine biologist, Danni Washington, exudes energy as she relates how technology all around us was inspired by nature and how modern innovators are continuing with this practice. We will whirl around in airplanes inspired by birds, and in helicopters influenced by the dragonfly, and even jump from a few such vehicles to illustrate how wingsuits were invented based on the flying squirrel! But engineers aren't the only scientists looking toward nature. We will also meet with biologists studying the behavior patterns of ants; architects who design “living buildings”; and roboticists who are making their designs bigger, stronger, and faster based on animals. This series will help kids to understand how getting outside and taking a look around can help them make the next great discovery!

Xploration Nature Knows Best is a half-hour weekly E/I series produced with the intention of increasing and expanding our target audience's interest in the field of STEM education.

Steve Rotfeld Productions will provide a written synopsis of each episode for filing with our stations FCC Children's Television Report. These write-ups will be emailed to stations on a quarterly basis. *Also, each episode is close-captioned and E/I inscribed throughout.*

If you need additional information, please feel free to contact us

Sincerely,

Fern Rotfeld
Director of Syndication Sales
fern@rotfeldproductions.com or matt@rotfeldproductions.com



STEVE ROTFELD PRODUCTIONS

“XPLORATION NATURE KNOWS BEST”

SEASON III - 2018/2019

FCC FRIENDLY EPISODE WRITE-UPS

FOURTH QUARTER

Week of October 1, 2018 through week of December 24, 2018

Week of October 1, 2018 (Episode #105)

Every species found in nature is a survivor, there's a reason they've been on the planet for as long as they have. So host Danni Washington is trying to figure out what humankind can learn from them that we can use to protect ourselves. She'll explore how fish are helping us to build better armor, how woodpeckers are assisting us to address a top safety concern in the form of concussions, and how one of the deadliest creatures found in nature is now saving lives by keeping planes in the sky during icy conditions!

Week of October 8, 2018 (Episode #106)

The ocean covers more than 70 percent of our planet's surface and humankind has only explored about 5% of it. But the diverse wildlife from the areas we have investigated serves as a major source of inspiration for modern technology! Host Danni Washington uses this episode as an opportunity to continue the investigation, heading under the sea to explore a reef that's full of life, checking out an invention based on lobster eyes, and becoming one with the fish by turning her feet into fins before riding inside a vehicle based on sharks, whales, and dolphins that will launch her in to, out of, and under the water!

Week of October 15, 2018 (Episode #107)

Everything uses energy but humans are the only species destroying our planet to create it. Host Danni Washington will discover that not only do all other organisms have better means of gathering energy, but by studying their eyes, their fins, and the ways they move we can find ways to improve solar power, wind power, and even kinetic power!

Week of October 22, 2018 (Episode #108)

One of the first instances of bio-inspiration was Velcro influenced by the sticky burrs of the burdock plant. In this episode, host Danni Washington takes a fascinating and fun look at Velcro and other ways inventors have “stuck” with nature including robots that can scale walls or pick-up any object thanks to bugs and chameleons, suction cups inspired by one sucky fish, and an innovation based on the holy-grail of all adhesively-inclined animals... the gecko!



STEVE ROTFELD PRODUCTIONS

“XPLORATION NATURE KNOWS BEST”

SEASON III - 2018/2019

FCC FRIENDLY EPISODE WRITE-UPS

FOURTH QUARTER

Week of October 1, 2018 through week of December 24, 2018

Week of October 29, 2018 (Episode #109)

Helicopters took a lot of their early inspiration from one of nature's most efficient fliers in the dragonfly and host Danni Washington's going to take one for a spin to see exactly how! She'll also take a look at how this insect and the wings of owls continue to inspire helicopters and how another one of the helicopter's early influences, the maple seed, has inspired one of the world's coolest new unmanned aerial vehicles.

Week of November 5, 2018 (Episode #110)

While inventors have been looking toward nature as inspiration for centuries, this science is just starting to come into its own and was recently given a name... Biomimicry! Join Danni Washington as we visit all the new places where this science is taking hold, from schools, to zoos, to national conventions like the USA Science and Engineering Festival in Washington D.C.!

Week of November 12, 2018 (Episode #111)

To many people the thought of sharks can be scary but they're actually a huge help to our oceans... and have inspired some awesome tech! Danni Washington will take the plunge and swim with sharks, relaying how their skin is being used to fight germs and their senses can help build better robots! And, if you're still scared of sharks, Danni goes surfing to reveal how scientists are using bio-inspiration to develop wetsuits that should make you nearly invisible to the ocean's top predators.

Week of November 19, 2018 (Episode #112)

Animals in nature have other ways of communicating than you or I do and many of them are able to move collectively in packs called "swarms". Host Danni Washington takes a look at how today's scientists are studying this swarm behavior to make better robots that will help in our factories, to collect things on other planets, or to make better autonomous cars!

Week of November 26, 2018 (Episode #113)

Some of the world's strongest materials are naturally made like the silk spiders use to make their webs which, pound for pound, is actually 5 times stronger than steel. In this episode, Danni Washington will look into how we're looking toward nature to make our other things stronger... like glass, metals, and even ourselves!

740 Haverford Road, Bryn Mawr, PA 19010 Phone: 610-520-0671 Fax: 610-520-0681

www.rotfeldproductions.com



STEVE ROTFELD PRODUCTIONS

“XPLORATION NATURE KNOWS BEST”

SEASON III - 2018/2019

FCC FRIENDLY EPISODE WRITE-UPS

FOURTH QUARTER

Week of October 1, 2018 through week of December 24, 2018

Week of December 3, 2018 (Episode #114)

Host Danni Washington experiences amazing new modes of transportation, all inspired by nature. There's a robot on wheels, patterned after sea urchins, that may someday roll on Mars. And a motorcycle inspired by sharkskin that could break the land speed record.

Week of December 10, 2018 (Episode #115)

Host Danni Washington explores advances in science - inspired by nature - that will change our everyday life. She tests a new type of glass, inspired by spiders, that deters birds from crashing into it. And she visits a new type of farm that delivers better-tasting produce at a cheaper cost than traditional farms.

Week of December 17, 2018 (Episode #116)

Drones are all the rage right now... and, thanks to nature, they're doing things that we never imagined! Join Danni Washington as she explores aerial drones that can perch on walls, dive in and out of water, and communicate in swarms!

Week of December 24, 2018 (Episode #117)

Robots are built for all kinds of things and, these days, their inventors are looking toward nature to see how animals can help them to do the things that humans can't! Join Danni Washington as she checks out tiny robots based on manta rays that are helping to fight heart problems, robots that are learning to run as fast as our speediest animals, and giant snake-like robots that are drawing attention to climate change!



STEVE ROTFELD PRODUCTIONS

TO: PROGRAM DIRECTORS
FROM: FERN ROTFELD / CAROL BROOKS / BRUCE GENTER / MATT JAY
DATE: JUNE, 2017
RE: FCC OBJECTIVE LETTER – “XPLORATION OUTER SPACE”

Xploration Outer Space – This series is also a part of a 3-hour block of STEM based E/I programs titled... **XPLORATION STATION**

This half-hour weekly series produced for the 13-16 target audience will certainly attract viewers of all ages. Each week our host Emily Calandrelli will take viewers on incredible journeys through space that will both entertain and educate. Ever wonder what it would be like to live in space or on a different planet? Watch our host try to perform every day responsibilities while floating in zero gravity. Explore the challenges that come along with living on a different planet as our host lives like an astronaut in a Mars-like habitat. We will have episodes on space robotics, commercial space tourism, asteroids, and our search for life, among many others. *When appropriate, the host will highlight NASA related programs and internships for young students that are relevant to the content we have shown.

Xploration Outer Space is a half-hour weekly E/I series produced with the intention of increasing and expanding our target audience’ interest in the field of STEM education.

Steve Rotfeld Productions will provide a written synopsis of each episode for filing with our stations FCC Children’s Television Report. These write-ups will be emailed to stations on a quarterly basis. Also, each episode is close-captioned and E/I inscribed throughout.

If you need additional information, please feel free to contact us

Sincerely,

Fern Rotfeld
Director of Syndication Sales
fern@rotfeldproductions.com or matt@rotfeldproductions.com

MEMO TO: PROGRAM DIRECTORS



STEVE ROTFELD PRODUCTIONS

“XPLORATION OUTER SPACE”

SEASON V - 2018/2019

FCC FRIENDLY EPISODE WRITE-UPS

FOURTH QUARTER

Week of October 1, 2018 through week of December 24, 2018

Week of October 1, 2018 (Episode #105)

The InSight Lander is on its way to Mars. Host Emily Calandrelli discovers what it takes to prepare this spacecraft for its mission, learns all about the science it will do once it lands, and feels the power of this historic launch.

Week of October 8, 2018 (Episode #106)

Do you know which planet in our solar system has a longer day than year? Or why Apollo astronauts were quarantined after returning from the Moon? Learn all this and more as host Emily Calandrelli speaks to two experts about the most fascinating facts about our universe.

Week of October 15, 2018 (Episode #107)

Host Emily Calandrelli explores the future of space medicine and how we may overcome the challenges ahead. She operates a small surgical robot and 3D prints a custom medical device.

Week of October 22, 2018 (Episode #108)

Astronauts from the last five decades share stories of their adventures. Scientists and engineers involved with exploring space also give insights to the fascinating worlds within our solar system.

Week of October 29, 2018 (Episode #109)

Host Emily Calandrelli explores the robots that are changing the way we explore space - and helping people on earth. Emily meets Robonaut, a man-like robot assisting astronauts on the International Space Station. Then she takes a ride in the Space Exploration Vehicle, which hopes to eventually land on the Moon or Mars. She also examines a 13 foot spider like robot named ATHLETE.

“XPLORATION OUTER SPACE”

SEASON V - 2018/2019

FCC FRIENDLY EPISODE WRITE-UPS

FOURTH QUARTER

Week of October 1, 2018 through week of December 24, 2018

Week of November 5, 2018 (Episode #110)

Host Emily Calandrelli assembles an investigative team to tackle one of the biggest questions of our time: Are we alone? She travels to the SETI institute to meet with leading scientists Jill Tarter and Seth Shostak to learn how we are searching for intelligent life in our universe. She also meets with Chris McKay at NASA Ames Research Center to hear his top candidates to host life beyond earth.

Week of November 12, 2018 (Episode #111)

Countless spacecraft, such as Cassini and Galileo, have made invaluable discoveries in our solar system – but they can't last forever. Who decides when and how to end their missions? Host Emily Calandrelli speaks to NASA scientists at the heart of these decisions.

Week of November 19, 2018 (Episode #112)

Host Emily Calandrelli gets an inside look at some of the coolest jobs in the space industry. From becoming a famous space YouTuber, to smelling items before they go to the International Space Station, these are not your typical careers.

“XPLORATION OUTER SPACE”

SEASON V - 2018/2019

FCC FRIENDLY EPISODE WRITE-UPS

FOURTH QUARTER

Week of October 1, 2018 through week of December 24, 2018

Week of November 26, 2018 (Episode #113)

Scientists and engineers sometimes have to go to extremes to learn more about our universe. Host Emily Calandrelli boards the world’s largest flying observatory, dives to an underwater habitat, and explores a laboratory nearly a mile underground.

Week of December 3, 2018 (Episode #114)

In recognition of the 50th anniversary of landing on the moon, Xploration Outer Space celebrates and remembers this incredible event, with amazing footage and new interviews with astronauts and historians.

Week of December 10, 2018 (Episode #115)

A boy scout troop sends an experiment to the International Space Station. A 14-year old girl has aspirations of becoming the first astronaut to set foot on Mars. Host Emily Calandrelli looks at students who are becoming involved with space exploration.

Week of December 17, 2018 (Episode #116)

One lucky student wins the prize of going to Hawaii and experience the HI-SEAS habitat, which simulates life on Mars. Host Emily Calandrelli joins the contest winner in this special episode.

Week of December 24, 2018 (Episode #117)

Host Emily Calandrelli holds the fourth annual #StudentAstronaut Contest. One lucky student wins a trip to Russia to train like a cosmonaut at the Yuri Gagarin Cosmonaut Training Center



STEVE ROTFELD PRODUCTIONS

MEMORANDUM

TO: PROGRAM DIRECTORS
FROM: FERN ROTFELD / CAROL BROOKS / BRUCE GENTER / MATT JAY
DATE: JUNE, 2017
RE: FCC OBJECTIVE LETTER – “XPLORATION AWESOME PLANET”

Xploration Awesome Planet – This series is also a part of a 3-hour block of STEM based E/I programs titled... **XPLORATION STATION**

Produced primarily for the 13-16 target audience, **Xploration Awesome Planet** will inspire and educate anyone interested in earth sciences. Our host, Philippe Cousteau, the grandson of legendary Jacques Cousteau, brings boundless energy to every location we visit. From magnificent mountains to violent volcanoes, this program takes an in-depth look at the unique and distinct features on planet Earth. We not only visit gigantic glaciers and behold their beauty but also discover **why** they formed, and **how they shaped** our landscape. Geological experts share their wisdom with Philippe, as we strive to understand places *on* the earth, *inside* the earth, and *above* the earth

Xploration Awesome Planet is a half-hour weekly E/I series produced with the intention of increasing and expanding our target audience’ interest in the field of STEM education.

Steve Rotfeld Productions will provide a written synopsis of each episode for filing with our stations FCC Children’s Television Report. These write-ups will be emailed to stations on a quarterly basis. Also, each episode is close-captioned and E/I inscribed throughout.

If you need additional information, please feel free to contact us

Sincerely,

Fern Rotfeld
Director of Syndication Sales
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STEVE ROTFELD PRODUCTIONS

“XPLORATION AWESOME PLANET”

SEASON V - 2018/2019

FCC FRIENDLY EPISODE WRITE-UPS

FOURTH QUARTER

Week of October 1, 2018 through week of December 24, 2018

Week of October 1, 2018 (Episode #105)

Join host Philippe Cousteau Jr., grandson of legendary explorer Jacques Cousteau, as he journeys to the most spectacular places on the planet. In this episode, we dive with dozens of bull sharks in Fiji to see how a protected marine reserve is helping local sharks to thrive. We then head to South Florida to plant native mangroves in an area of need. We head down to a nearby beach to then remove invasive plants that affect Miami's coastlines in a negative way. The journey ends with a trip to Maui where local volunteers help to keep endangered Hawaiian Monk Seals safe when they come ashore.

Week of October 8, 2018 (Episode #106)

Join host Philippe Cousteau Jr., grandson of legendary explorer Jacques Cousteau, as he journeys to the most spectacular places on the planet. In this episode, Cousteau explores some of our planet's most incredible natural formations. We'll look at different types of corals in Fiji, visit a remote glacier in the Canadian Rockies, and marvel at the arches of the Utah desert.

Week of October 15, 2018 (Episode #107)

Join host Philippe Cousteau Jr., grandson of legendary explorer Jacques Cousteau, as he journeys to the most spectacular places on the planet. In this episode, we travel to the intersection of sports and our environment. We start in the Rocky Mountains where an Olympic snowboarder aims to keep our mountains protected. Then it's off to Hawaii where a professional surfer is teaching kids the importance of keeping our oceans and beaches clean. From there it's on to California as a world champion boxer fights for water rights. And finally a professional football team hopes to lead the way with renewable energy in their stadium.

Week of October 22, 2018 (Episode #108)

Join host Philippe Cousteau Jr., grandson of legendary explorer Jacques Cousteau, as he journeys to the most spectacular places on the planet. In this episode, we reveal the winner of our second ever #StudentExplorer Contest. Philippe and the lucky student then head to Fiji for dolphins, diving, and to take part in a coral reef restoration project.



STEVE ROTFELD PRODUCTIONS

“XPLORATION AWESOME PLANET”

SEASON V - 2018/2019

FCC FRIENDLY EPISODE WRITE-UPS

FOURTH QUARTER

Week of October 1, 2018 through week of December 24, 2018

Week of October 29, 2018 (Episode #109)

Join host Philippe Cousteau Jr., grandson of legendary explorer Jacques Cousteau, as he journeys to the most unique formations and natural wonders of our planet. In this episode, we learn from the students who want to change the world. We'll start at the national finals of the Stockholm Junior Water Prize where students are presenting solutions to some of our biggest challenges. Then we see how one student teaches younger kids about climate change in a creative way. We'll wrap up with a team of college students in Pennsylvania who help the local community by monitoring local sinkholes.

Week of November 5, 2018 (Episode #110)

Join host Philippe Cousteau Jr., grandson of legendary explorer Jacques Cousteau, as he examines different methods of farming. We'll join an oyster farmer as he pulls in a harvest off the coast of southeastern Louisiana, and then visit an aquaponics farm in Los Angeles to see how the owner is promoting sustainable food sources. From there, we'll head to Pennsylvania to learn about a program to train new farmers and help them establish their own agricultural businesses.

Week of November 12, 2018 (Episode #111)

Join host Philippe Cousteau Jr., grandson of legendary explorer Jacques Cousteau, as he journeys to the most unique formations and natural wonders of our planet. In this episode, we see a few hidden parts of nature. We'll start in Washington where the Seattle Aquarium shows us a few unique traits to see otters. Then we'll head to Australia to look at the small mantis shrimp that packs a heavyweight punch. We'll finish up in Florida following one researcher who combs the beaches in the early morning to find and protect newly made turtle nests.

Week of November 19, 2018 (Episode #112)

Join host Philippe Cousteau Jr., grandson of legendary explorer Jacques Cousteau, as he journeys to the most unique formations and natural wonders of our planet. In this episode, we visit a few remote areas to see how research and restoration is conducted. We'll start in the Yasawa Islands of Fiji where manta rays migrate each year for food. Then we'll go to the Hawaiian island of Kaho'olawe, which is off-limits to the general public. Here we'll see a unique history of destruction that one organization is helping to restore. We'll finish up in Virginia seeing how drones are helping researchers access remote locations quicker and easier.

740 Haverford Road, Bryn Mawr, PA 19010 Phone: 610-520-0671 Fax: 610-520-0681

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“XPLORATION AWESOME PLANET”

SEASON V - 2018/2019

FCC FRIENDLY EPISODE WRITE-UPS

FOURTH QUARTER

Week of October 1, 2018 through week of December 24, 2018

Week of November 26, 2018 (Episode #113)

Join host Philippe Cousteau Jr., grandson of legendary explorer Jacques Cousteau, as he journeys to the most unique formations and natural wonders of our planet. In this episode, we'll meet a few different science communicators. We'll start at Cal State Long Beach where one researcher is helping to communicate the impacts of development on local salt water marshes. Then we'll head to Florida where we meet a researcher educating the public daily on the hazards and health effects of red tides. After that we'll visit a large STEM event in Tulsa Oklahoma where communication is key for a day with thousands of students on hand to learn about science. We'll finish up in Pennsylvania and New Jersey where a grad student uses a wind tunnel to teach others about sand dunes.

Week of December 3, 2018 (Episode #114)

In this episode, Cousteau takes us to the American mid-West to see how wildlife in Yellowstone National Park cope with the harsh winter environment. We then climb to the top of Zion National Park's most famous peak before heading to a Pacific island to explore some of the tallest sea cliffs in the world. The journey ends by venturing into the Canadian wilderness to experience a crystal-clear nighttime sky.

Week of December 10, 2018 (Episode #115)

Join host Philippe Cousteau Jr., grandson of legendary explorer Jacques Cousteau, as he journeys to the most spectacular places on the planet. In this episode, Cousteau explores the different ways an environmental painter, sculptor, photographer and craftsman blend nature with art.

Week of December 17, 2018 (Episode #116)

Join host Philippe Cousteau Jr., grandson of legendary explorer Jacques Cousteau, as he journeys to the most spectacular places on the planet. In this episode, Cousteau dives off the coast of Australia to explore the Great Barrier Reef. He then heads to James Cook University to get an up-close look at some of the country's deadliest creatures. Philippe ends his journey by visiting the National Sea Simulator at the Australian Institute of Marine Science.



“XPLORATION AWESOME PLANET”

SEASON V - 2018/2019

FCC FRIENDLY EPISODE WRITE-UPS

FOURTH QUARTER

Week of October 1, 2018 through week of December 24, 2018

Week of December 24, 2018 (Episode #117)

Join host Philippe Cousteau Jr., grandson of legendary explorer Jacques Cousteau, as he journeys to the most unique formations and natural wonders of our planet. In this episode, we visit a few examples of threatened places. We'll start in North Carolina looking at the effects of sea level rise on barrier islands. Then we see how innovative tools are helping to protect against future oil spills. We'll head to Utah to learn why over a million acres of pristine land is now under threat of development. And we'll end in Pennsylvania where one sanctuary has put protections in for migrating raptors before it's too late.

Teen Kids News – FCC Credentials

Teen Kids News meets FCC requirements for “core children’s programming” by providing educational features such as, “Flag Facts” (info on our state flags); “College and You” (tips for choosing and getting into college), “Word” (vocabulary skills training), as well as informational features for teens, such as reports about healthy eating; driving tips for new drivers, and internet predators. The show has been designed to meet needs of children and young adolescents with a unique curiosity about their world. The Program stimulates the 13-16 year olds’ curiosity, develops their learning and cognitive, listening and thinking skills, and serves as an enhancement of their academic and educational experience.

More than 10,000 schools are using TKN as part of their school curriculum and affiliate stations have already contacted school systems in that regard. The full scripts are available to provide easy access for teachers to use in their classrooms.

Advocacy group Children Now says broadcasters follow letter, not spirit of FCC's educational/informational standards.

By John Eggerton -- Broadcasting & Cable, 11/12/2008

Advocacy group Children Now says that only one in eight kids TV shows offered up by broadcasters as meeting the educational/informational (E/I) requirements of the FCC meet “high quality” standards for educational shows, and it wants the FCC to make its educational guidelines stronger and clearer.

It also wants the commission to monitor compliance and respond “quickly” to public complaints (like those filed by Children Now). The group called on broadcasters to improve the quality and availability of kids shows, including applying the six key criteria to their offerings (see below). It also asked parents to become more involved in their kids' TV watching and to complain if they think an E/I-certified show is not sufficiently E/I.

Children Now concedes that broadcasters are meeting “the letter” of the law, airing three hours of E/I programming, and even applauds them for it. But the group asks whether “their efforts truly live up to the spirit” of the Children’s Television Act and its children’s programming requirements, overseen by the Federal Communications Commission.

The FCC essentially allows broadcasters to self-certify that their E/I programs meet FCC requirements, including that the shows have education as “a significant purpose,” that they are at least a half hour, that they air between 7 a.m. and 10 p.m. and that they air weekly.

That has produced some questionable, even embarrassing calls, like billing *The Flintstones* as a history lesson or a baseball pre-game show as educational because it teaches how to throw a curve ball.

TV stations are required to air at least three hours a week of educational/informational programming and to identify the shows to the FCC and in their public files.

The report, which is scheduled to be unveiled at a press conference in Washington Wednesday, at which FCC Commissioner Jonathan Adelstein is scheduled to speak, looks at the "quality" of the shows offered up as educational, something the FCC reporting requirement does not address.

Children Now says it measured the shows according to six criteria:

1. clarity, meaning how explicitly is the educational element presented
2. integration, or how often the lesson is repeated
3. involvement, which means how engaging is the educational element
4. applicability, or how the lesson is connected to the real world
5. importance, meaning not how important to the story but how important is the lesson to children's development
6. positive reinforcement, or to what degree is learning rewarded.

Each show--120 episodes from 24 "representative markets" were analyzed--was given a up to three points in each category, with an 0-6 score labeled "minimally educational," a 7-10 score deemed moderately educational, and an 11 or 12 score considered highly educational. Media researchers Dale Kunkel of the University of Arizona and Kristin Drogos of the University of Illinois did the analysis.

By that measure, only 12 shows got the highest score, while 21 were minimally educational, with the rest getting the lowest score. Children Now also says most broadcasters are only doing the minimum three hours (59%).

Kunkel is a familiar figure to broadcasters. He is a long-time critic of broadcasters' children's programming and has testified numerous times about the need for more educational "educational" children's shows.

One station singled out with high marks was Raycom's MyNetworkTV affiliate in Honolulu, KFVE, which airs 5.5 hours per week, with shows like *Where on Earth is Carmen Sandiego* and *Beakman's World*, and programming every day but Sunday.

The eight shows that were determined to be of the highest educational content were evenly divided among commercial and noncommercial shows with four apiece: *Sesame Street*, *Between the Lions*, *Cyberchase*, and *Fetch! With Ruff Ruffman* (PBS) and *Beakman's World*, *3-2-1 Penguins*, *The Suite Life of Zack and Cody*, and ***Teen Kids News***.



TEEN KIDS NEWS
SATURDAYS @ 11:00AM

BROADCAST WEEK: 10/01/18

EPISODE: 1605

SYNOPSIS: The organization SADD helps teens cope with issues such as drugs, bullying and distracted driving; workshops at the National SADD Conference.

BROADCAST WEEK: 10/08/18

EPISODE: 1606

SYNOPSIS: How to avoid overworking joints and muscles when playing sports; feeling safe at school; tasty breakfast ideas.

BROADCAST WEEK: 10/15/18

EPISODE: 1607

SYNOPSIS: A teen raises money for people in need of wheelchairs and other medical devices; the final resting place of one of the world's most famous generals; the dangers of second-hand smoke.

BROADCAST WEEK: 10/22/18

EPISODE: 1608

SYNOPSIS: Teenage reporters relay relative information for younger audiences.

BROADCAST WEEK: 10/29/18

EPISODE: 1609

SYNOPSIS: School and sleep; the dangers of e-cigarettes; Make the Grade; Art Smart; Speak of the Week.

BROADCAST WEEK: 11/05/18

EPISODE: 1610

SYNOPSIS:

Allied invasion of France; worrying; a fragrant way to help with trouble sleeping; collaborating; which school subject is most useful; why one of the most famous American paintings almost never existed; how a bag changes lives; the country of Jordan.

BROADCAST WEEK: 11/12/18

EPISODE: 1611

SYNOPSIS: How a young child faced a form of cancer that would eventually take her life; the Louvre; a way for kids with autism to take a practice flight on a plane; two teens from Atlanta, Ga. win the Global Impact Challenge.

BROADCAST WEEK: 11/19/18

EPISODE: 1612

SYNOPSIS: An Atlanta teen uses her personal health challenges to help others by developing a mental health app; Make the Grade report; Speak of the Week; how Vienna, Austria, deals with hot subway cars.

BROADCAST WEEK: 11/26/18

EPISODE: 1613

SYNOPSIS: A community looks for ways to keep teens from becoming addicted to drugs, alcohol and cigarettes; the iconic Girl Scout uniform.

BROADCAST WEEK: 12/03/18

EPISODE: 1614

SYNOPSIS: A relatively new sport gains popularity; dating advice; tips for studying; Jordan Journal.



Saturdays 17.1

BROADCAST WEEK: 12/10/18

EPISODE: 1615

SYNOPSIS: Managing asthma while playing a sport; an alternative to caffeine; Prom Prep 101; exploring the River Jordan and the Dead Sea; car show.

BROADCAST WEEK: 12/17/18

EPISODE: 1616

SYNOPSIS: Twelve-year-old Izellah is a successful recording artist; different types of summer camps; shadow theater presentation "Feathers of Fire."

BROADCAST WEEK: 12/24/18

EPISODE: 1617

SYNOPSIS: The war against terror in the Middle East; the game of chess; tips on dealing with stress.



STEVE ROTFELD PRODUCTIONS

TO: PROGRAM DIRECTORS
FROM: FERN ROTFELD / CAROL BROOKS / MATT JAY / BRUCE GENTER
DATE: JUNE, 2017
RE: FCC OBJECTIVE LETTER - **XPLORATION Weird But True**

XPLORATION Weird But True – This show is part of a 3-hour block of STEM based E/I programs titled... **XPLORATION STATION**

Produced primarily for the 13-16 target audience, **XPLORATION Weird But True** will inspire and educate audiences of all ages. This series, produced in partnership with National Geographic Kids, is hosted by the brother-sister team of Charlie and Kirby Engleman. Charlie is an Ecologist and Kirby is an Artist, and they are both National Geographic Junior Explorers. Together, they share a common curiosity to explore and understand the science behind the world and its wildlife.

In this series, Charlie and Kirby explore a new topic each week to uncover the “Weird But True” science at play all around us. With a mix of graphics and handmade art, this E/I series is fun, playful and educational. For instance, in the first episode, our hosts are curious to learn about asteroids – and so they set off to explore the biggest meteor crater in the US and meet a real-life meteorite hunter. They also try their hand at tracking down space rocks. Along the way, they discover that meteor crash sites can turn into quicksand! On **XPLORATION Weird But True**, Charlie and Kirby inspire teens to question the HOW and WHY behind the way our world works, and encourage them to discover answers to their most curious questions.

XPLORATION Weird But True is a half-hour weekly E/I series produced with the intention of increasing and expanding our target audience’ interest in the field of STEM education. This series will help teens and viewers of all ages learn to question the world around them.

Steve Rotfeld Productions will provide a written synopsis of each episode for filing with our stations FCC Children’s Television Report. These write-ups will be emailed to stations on a quarterly basis. Also, each episode is close-captioned and E/I inscribed throughout.

If you need additional information, please feel free to contact us

Sincerely,

Fern Rotfeld
Director of Syndication Sales
fern@rotfeldproductions.com or matt@rotfeldproductions.com

740 Haverford Road, Bryn Mawr, PA 19010 Phone: 610-520-0671 Fax: 610-520-0681

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STEVE ROTFELD PRODUCTIONS

“XPLORATION WEIRD BUT TRUE”

SEASON III - 2018/2019

FCC FRIENDLY EPISODE WRITE-UPS

FOURTH QUARTER

Week of October 1, 2018 through week of December 24, 2018

Week of October 1, 2018 (Episode #105)

Kirby has been getting into new technology for their crafts, but Charlie isn't a fan. While Kirby is off at tech camp, Charlie goes back to a traditional Colonial village to see how simpler things were in the olden days.

Week of October 8, 2018 (Episode #106)

This week, brother-sister hosts Charlie and Kirby are looking into the strange world of... Space Rocks! What's the difference between an asteroid and a comet? What happens when interstellar debris collides with Earth?! Our adventurous hosts are heading off to the deserts of Arizona to uncover the answers to these questions and more in this rockin' episode of WEIRD BUT TRUE!

Week of October 15, 2018 (Episode #107)

This week, brother-sister hosts Charlie and Kirby are looking into the strange world of... Extreme Weather! What's the difference between a hurricane and a tornado? Why does the weather change and how do storms form? Our hosts are off to meet real-live storm chasers in Colorado where they'll discover the WEIRD BUT TRUE science behind extreme weather!

Week of October 22, 2018 (Episode #108)

This week, brother-sister hosts Charlie and Kirby are looking into the strange world of... Underwater Archaeology! Why do shipwrecks happen? How do scientists research and explore sunken treasures that hide all the way down at the bottom of the ocean?! Our hosts are on an expedition to reveal the surprising science that helps underwater archaeologists in this episode of WEIRD BUT TRUE!

Week of October 29, 2018 (Episode #109)

Breeds of dogs look SO totally different, but they're all the same species. Wait... what the heck is the difference between a breed and a species? And, how on earth did we get a Chihuahua... from a wolf?! In this episode we'll break down how it all happened. We'll explain how humans domesticated and developed dog breeds. Then, Charlie and Kirby meet some literal "super dogs" to better understand just how capable canines have become at being man's best friend.



STEVE ROTFELD PRODUCTIONS

“XPLORATION WEIRD BUT TRUE”

SEASON III - 2018/2019

FCC FRIENDLY EPISODE WRITE-UPS

FOURTH QUARTER

Week of October 1, 2018 through week of December 24, 2018

Week of November 5, 2018 (Episode #110)

Humans have 5 senses. Sharks have 7. Yup. There are more than just the ones we humans have! Sharks can feel 2 unique types of feelings that humans can't. So, to get to the bottom of this new and bizarre revelation (and oh to conquer Charlie's irrational fear of sharks) our hosts have got to dive into this a little more. In this episode Charlie and Kirby learn everything there is to know about sharks and super animal senses. The episode ends with an up close and personal encounter with these incredible organisms... with some cage-less shark diving!

Week of November 12, 2018 (Episode #111)

Last summer Charlie and Kirby found an antler in their backyard. Now they're itching to learn more about animal headgear. What is an antler? How is it different from a horn? What are they used for? Where do beaks fit into this whole thing? In this episode, they're going to find all of this out while on a journey to observe the most epic head that exists in the animal world.

Week of November 19, 2018 (Episode #112)

Charlie and Kirby are heading back to school... but this isn't your typical classroom (let's just say this one is a little more... rustic). In this episode, it's all about learning the ropes to survival 101. Why do we need food and water? How do the elements impact our ability to regulate our body temperatures? What are the basic human needs... and (while modern conveniences are great and all), how does a person meet those needs out in the wild?! Don't miss a minute as Charlie and Kirby head to Alaska to learn the basics to survival along with some WEIRD BUT TRUE tricks to tackling life in the great outdoors!

Week of November 26, 2018 (Episode #113)

Animals can be found all over the world... but this week, Charlie and Kirby are interested in meeting the ones who have adapted to life in freezing cold weather! So, they're off to the USA's most northern state... Alaska to meet some of the locals! Temperatures in Alaska can get pretty chilly in the winter, but the local wildlife has found some amazing ways to keep warm. From a pack of mush dogs who live on a glacier to a baby musk ox, Charlie and Kirby will meet animals big and small to see how they've adapted to handle the elements up north!



STEVE ROTFELD PRODUCTIONS

“XPLORATION NATURE KNOWS BEST”

SEASON III - 2018/2019

FCC FRIENDLY EPISODE WRITE-UPS

FOURTH QUARTER

Week of October 1, 2018 through week of December 24, 2018

Week of December 3, 2018 (Episode #114)

Kirby's garden can go everything... except fruits! She's missing pollinators, so Charlie launches them on a mission to learn all about bees.

Week of December 10, 2018 (Episode #115)

Kirby has an egg-drop competition coming up in science class, and she's determined to beat the school record. To learn how to build a winning contraption, she and Charlie are off to get some advice from professional test engineers!

Week of December 17, 2018 (Episode #116)

The power keeps going out in HQ! Charlie and Kirby are determined to find a way to keep the lights on, so they're determined to learn all about electricity!

Week of December 24, 2018 (Episode #117)

Charlie and Kirby are on a mission to learn everything they can about the Master Defenders of the Animal Kingdom. Join them as they learn all about cool animal adaptations like how certain bugs can camouflage themselves or how skunks use stinky sprays!



STEVE ROTFELD PRODUCTIONS

MEMORANDUM

TO: PROGRAM DIRECTORS

FROM: FERN ROTFELD / CAROL BROOKS / MATT JAY / BRUCE GENTER

DATE: JUNE, 2017

RE: FCC OBJECTIVE LETTER - "XPLORATION DIY Sci"

XPLORATION DIY Sci – This show is part of a 3-hour block of STEM based E/I programs titled... **XPLORATION STATION**

Produced primarily for the 13-16 target audience, **XPLORATION DIY Sci** will inspire and educate audiences of all ages. Host, science educator, and leader in the field of professional educational training - Steve Spangler – encourages the discovery of scientific concepts through experiments viewers can do at home. With a fun, relaxed attitude, Steve will take viewers through step-by-step demonstrations of do-it-yourself experiments that amaze but which also relate back to solid principles of science.

For instance, Steve Spangler became nationally-known with a video showing him dropping the candy "Mentos" into a bottle of diet soda. It erupts in a geyser of soda. On **XPLORATION DIY Sci**, Spangler demonstrates the experiment and also explains the science of why, on a molecular level, the soda reacts that way to the candy.

XPLORATION DIY Sci is a half-hour weekly E/I series produced with the intention of increasing and expanding our target audience' interest in the field of STEM education. This series will help kids understand how they can discover the principles of science with items they can find in their very own home.

Steve Rotfeld Productions will provide a written synopsis of each episode for filing with our stations FCC Children's Television Report. These write-ups will be emailed to stations on a quarterly basis. Also, each episode is close-captioned and E/I inscribed throughout.

If you need additional information, please feel free to contact us

Sincerely,

Fern Rotfeld
Director of Syndication Sales
fern@rotfeldproductions.com or matt@rotfeldproductions.com

740 Haverford Road, Bryn Mawr, PA 19010 Phone: 610-520-0671 Fax: 610-520-0681

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STEVE ROTFELD PRODUCTIONS

“XPLORATION DIY SCI”

SEASON III - 2018/2019

FCC FRIENDLY EPISODE WRITE-UPS

FOURTH QUARTER

Week of October 1, 2018 through week of December 24, 2018

Week of October 1, 2018 (Episode #105)

Ever wonder how to pull a tablecloth out from under the dishes of a set table? Host Steve Spangler shows you how to do it, along with other experiments you can do at home that prove the laws of inertia. It all leads to a demonstration of how to build your own hovercraft!

Week of October 8, 2018 (Episode #106)

Host Steve Spangler shows you how to walk on water! Plus other unbelievable experiments you can do at home that all explore the question, “What is a fluid?”

Week of October 15, 2018 (Episode #107)

Host Steve Spangler shows you how to make your own automatic toilet paper launcher, using the same science principles that keep an airplane in the air. Plus, how you can create a do-it-yourself smoke ring bazooka and a high-speed ping pong ball launcher.

Week of October 22, 2018 (Episode #108)

You can be a do-it-yourself NASA, with simple rockets you can make at home from stuff you can buy at the hardware store. Host Steve Spangler shows you how to make high-flying rockets using soda bottles, balloons, vinegar and straws.

Week of October 29, 2018 (Episode #109)

There’s a whole laboratory in your kitchen! Host Steve Spangler shows you how to make crazy creations like soap soufflé and “elephant toothpaste” from stuff you can buy at the supermarket.

Week of November 5, 2018 (Episode #110)

It may be invisible, but it can put out a fire, change your voice and soak your friends when you use it in a prank. It’s the power of gas. And host Steve Spangler shows you to harness that power at home. Then, Steve locks 25 people in a truck with a thousand mini-rockets filled with water and Alka-Seltzer. What could go wrong?

Week of November 12, 2018 (Episode #111)

Host Steve Spangler shows you how to create “weather” inside your own home... from a tank filled with smog to a room-sized tornado.

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STEVE ROTFELD PRODUCTIONS

“XPLORATION DIY SCI”

SEASON III - 2018/2019

FCC FRIENDLY EPISODE WRITE-UPS

FOURTH QUARTER

Week of October 1, 2018 through week of December 24, 2018

Week of November 19, 2018 (Episode #112)

You have an orchestra in your closets! Host Steve Spangler shows you how to make wacky musical instruments from household items like glasses, pipes and even your car.

Week of November 26, 2018 (Episode #113)

Host Steve Spangler shows you offbeat and practical ways you can use magnets... from how to make putty that eats magnets to how you can find rocks from Outer Space on your roof.

Week of December 3, 2018 (Episode #114)

You can be a magician... if you know some science. Host Steve Spangler reveals the science secrets to famous magic tricks, including how to walk on glass without slicing up your feet.

Week of December 10, 2018 (Episode #115)

Host Steve Spangler reveals amazing science tricks you can do with an ordinary egg. He shows how to fold up an egg and put it in your pocket. And you'll find out the secret to walking on eggs without a runny mess.

Week of December 17, 2018 (Episode #116)

Host Steve Spangler relaxes in his backyard with science tricks and inventions you can create outdoors. He exposes the secret to opening a car door with the power of your brain. And he reveals how to balance a ball on a spray of water.

Week of December 24, 2018 (Episode #117)

Steve Spangler hosts the DIY SCI Contest for the most exciting demonstration of “Newton’s Third Law” – for every action there’s an equal and opposite reaction. The winner performs a supersized version of the experiment with Steve on this special edition of the show.



Subchannel 17.2

AMERICA'S HEARTLAND - TARGETS AGES 13-16 YEARS

AIRED: MONDAYS @ 8:00AM - A HALF HOUR PROGRAM

Much of the food Americans eat is produced by farmers and ranchers in the country's heartland, but many children don't know how it's produced. "America's Heartland" provides information about the people and processes responsible for the availability of food and fuel across the country and around the world. The show's reporters and producers tell stories in topics that include farm families, consumer issues, animal welfare and crop sustainability. Children will learn about the production of the food and fuel they consume. Some episodes also take the show abroad to countries such as Egypt and Taiwan, to show the impact American agriculture has on the global economy.

DOG TALES - TARGETS AGES 13-16 YEARS

AIRED: TUESDAYS @ 8:00M - A HALF HOUR PROGRAM

Each episode of Dog Tales profiles a breed of dog; its history, popularity and characteristics. Viewers will learn the differences in dogs and how those differences affect their lives. Viewers are shown families who own particular breeds, how they interact with their dogs, and how they are a valuable part of the family. Several dog experts explain the various dogs' needs, health, nutrition requirements, safety, and care.

ANIMAL RESCUE - TARGETS AGES 13-16 YEARS

AIRED: WEDNESDAY @ 8:00AM—A HALF HOUR PROGRAM

This program exerts a positive influence on its viewers by illustrating the best of human instincts. In particular, the show highlights respect and compassion for all living creatures, informative instruction on medical rehabilitation treatments and techniques, and the teamwork of animal rescue personnel. The viewer learns valuable information about animal development, behavior and habitats, and is also made aware of important environmental issues.

MISSING - TARGETS AGES 13-16 YEARS

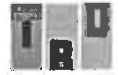
AIRED: THURSDAYS @ 8:00AM—A HALF HOUR PROGRAM

This program features actual cases of missing individuals across the country. Assisted by local state and federal law enforcement agencies, as well as the National Center for Missing and Exploited Children, the program interviews friends, family, and investigators involved with the cases. The program emphasizes taking responsibility for personal safety and promotes situational awareness. Each episode showcases safety tips, a safety quiz, and an instructional message from the National Center for Missing and Exploited Children.

THINK BIG- TARGETS AGES 13-16 YEARS

AIRED: FRIDAYS @ 8:00AM—A HALF HOUR PROGRAM

Think Big is a kid-hosted entertaining series for young people that follows the world's most innovative kids as they create and invent new toys, games, learning tools, websites, and modes of transportation. The program features top kid inventors who face off against one another in an Invent-Off to see who can come up with the most innovative and creative invention. In each episode, two teams brainstorm, choose materials, and sketch and design their idea. Once completed, the inventions are then judged. This program allows kids to showcase their skills in creativity, science, innovation, marketing and teamwork.



Subchannel 17.2

THE REAL WINNING EDGE - TARGETS AGES 13-16 YEARS

AIRD: SATURDAYS & SUNDAYS @ 9:00AM-A HALF HOUR PROGRAM

This program features young people who have been chosen to be profiled because of their adoption of pro-social values and principles. The particular youth featured is interviewed by a celebrity in the same talent field. This program shows the viewer that honesty, loyalty, hard work, self-discipline and balancing school work with social activities and friends, and developing a sense of purpose in his/her life, all combine to help the viewer stand against influences which could hurt him/her or others.



Dear Station,

Pursuant to the Children's Television Act of 1990, "America's Heartland" will satisfy the FCC Children's programming requirement and can be classified as either core or non-core programming. "America's Heartland" serves the educational and informational needs of children 13 to 16 years of age with its program content, including the importance of learning about farming and feeding the world. Teenage students are presented with fascinating stories and introduced to exceptional individuals who operate family farms through America's heartland.

"America's Heartland" as delivered is formatted to allow for no more than 14 minutes of total commercial time per broadcast hour (7 minutes per half-hour). "America's Heartland" does not display any Internet web site address or host selling during or adjacent to the program, and is otherwise in compliance with Sections 73.670(a) through (d) of the Commission's Rules.

To facilitate your FCC filings, episode synopses are available on line at our website, www.telcoproductions.com. Also available on-line are testimonials from our educational advisory review board, consisting of educators and other professionals who have reviewed the series (see the following letters for details).

If you have any other questions, please don't hesitate to contact us.

Sincerely,

Alex Paen
President, Telco Productions, Inc.



Dear Station,

Pursuant to the Children's Television Act of 1990, "Dog Tales" will satisfy the FCC Children's programming requirement and can be classified as either core or non-core programming. "Dog Tales" serves the educational and informational needs of children 13-16 years of age with its program content, including dog safety and care tips, as well as lessons on the responsibility of owning a dog. The show also provides informative segments on various dog breeds and showcases various veterinary experts explaining different issues affecting canines. The weekly series also includes recommended reading lists about dogs, and promotes children's writing and creative skills with essay and art contests.

To facilitate your FCC filings, episode synopses are available on line at our website, www.telcoproductions.com. Also available on-line are testimonials from our educational advisory review board, consisting of educators and veterinary professionals who have reviewed the program (see opposite pages).

If you have any other questions, please don't hesitate to contact us.

Sincerely,

Alex Paen

President, Telco Productions, Inc.

TELCO PRODUCTIONS, INC.
2730 Wilshire Boulevard, Suite 200, Santa Monica, CA 90403
Telephone 310-828-4003 Fax 310-828-3340
E-mail: info@telcoproductions.com



TELCO PRODUCTIONS, INC.

Dear Station,

Pursuant to the Children's Television Act of 1990 and the rules and regulations of the FCC, "ANIMAL RESCUE" satisfies the FCC's Children's programming requirements and may be classified as Core Programming as defined under Section 73.671 of the Commission's Rules. "ANIMAL RESCUE" furthers the educational and informational needs of children 13 to 16 years of age with its programming content, including safety tips and informational about various animals and their habitats. The programs also show real life in-the-field experiences of professional and ordinary people taking care of, treating and helping various animals, as well as exhibiting good social responsibility and promoting strong personal and community values. "ANIMAL RESCUE" as delivered is formatted to allow for no more than 14 minutes of total commercial time per broadcast hour (7 minutes per half-hour). "ANIMAL RESCUE" does not display any Internet web site address or host selling during or adjacent to the program, and is otherwise in compliance with Sections 73.670(a) through (d) of the Commission's Rules.

To facilitate your FCC filings, episode synopses are available on-line at our website, www.telcoproductions.com. Also available online are testimonials from our program advisory board, consisting of educators and veterinary professionals who have reviewed the program (see following pages). If you have any other questions or comments, please feel free to contact us.

Sincerely,

A handwritten signature in cursive script that reads "Alex Paen".

Alex Paen
President,
Telco Productions, Inc.

2730 Wilshire Blvd., Suite 200, Santa Monica, CA 90403-4747 USA
Telephone 310.828.4003 Fax 310.828.3340
E-mail info@telcoproductions.com Website: www.telcoproductions.com

MISSING

September, 2011

Dear Station,

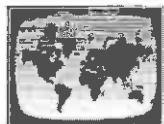
"Missing" will satisfy the FCC Children's Programming requirement and can be classified as either core or non-core programming. "Missing" serves the educational and informational needs of children 13 to 16 years of age with its program content, including safety tips and real life stories using various resources to help find missing people. The show is also a public service to communities across the United States and is endorsed by the National Center for Missing and Exploited Children.

Episode synopses are available on-line at our website (www.telcoproductions.com) to facilitate your FCC filing. Also available are testimonials from educators who have reviewed the program.

If you have any other questions, please don't hesitate to contact us.

Sincerely,

Alex Paen
President, Telco Productions, Inc.



TELCO PRODUCTIONS, INC.

Dear Station,

Pursuant to the Children's Television Act of 1990, "THINK BIG" will satisfy the FCC Children's programming requirement and can be classified as either core or non-core programming. "THINK BIG" serves the educational and informational needs of children 13 to 16 years of age with its program content, including the importance of having a working knowledge of math, science and physics. The series shows children actively solving problems using scientific principles, combining skill and creativity. The series also demonstrates real-world applications for math, science and engineering, proving that that the physical sciences can be useful, challenging and fun. Each episode presents an "invent-off" challenge, where teenage teams must invent a machine designed to perform a specific task in limited amount of time, promoting creative thinking and practical skills.

"THINK BIG" as delivered is formatted to allow for no more than 14 minutes of total commercial time per broadcast hour (7 minutes per half-hour). "THINK BIG" does not display any Internet web site address or host selling during or adjacent to the program, and is otherwise in compliance with Sections 73.670(a) through (d) of the Commission's Rules.

To facilitate your FCC filings, episode synopses are available on line at our website, www.telcoproductions.com. Also available on-line are testimonials from our educational advisory review board, consisting of educators and other professionals who have reviewed the series (see the following letters for details).

If you have any other questions, please don't hesitate to contact us.

Sincerely,

A handwritten signature in cursive script that reads "Alex Paen".

Alex Paen
President, Telco Productions, Inc.



TELCO PRODUCTIONS, INC.

Dear Station,

The Real Winning Edge is a weekly half-hour television series that meets the educational and informational objectives of the FCC's Children's Programming requirements for children ages 13-16. The program highlights adolescents and young adults making the right choices when faced with tough decisions and significant challenges. Recognizing that 13 to 16-year-olds are likely to be influenced by celebrities, the series features role models from the professional sports and the entertainment industries. Each episode is engaging, entertaining and educational in structure, presenting a powerful and positive message.

The Real Winning Edge TV is closed-captioned for the hearing impaired and displays the "E/I" icon throughout the broadcast.

Alex Paen

Alex Paen
President
Telco Productions, Inc.



Subchannel 17.3

GET WILD AT THE SAN DIEGO ZOO

TARGETS AGES 13-16 YEARS

AIRED: SATURDAYS @ 8:00AM - A HALF HOUR PROGRAM

This program is based at the world-famous San Diego Zoo and features notable animal experts teaching children the living habits and unique behaviors of wild animals. Episode examples include: learning how experts studying adult orangutans learn how they raise their young; and explains the Panda's living patterns.

WILD WORLD AT THE SAN DIEGO ZOO

TARGETS AGES 13-16 YEARS

AIRED: SATURDAYS @ 8:30AM - A HALF HOUR PROGRAM

This program is based at the world-famous San Diego Zoo and focuses on showing how zoo enrichment programs help animals initiate natural behavior. This program teaches children about animal behavior and the importance of providing an enriching environment for animals in our care.

ALL IN WITH LAILA ALI

TARGETS AGES 13-16 YEARS

AIRED: SATURDAYS @ 9:00AM AND 9:30AM - A HALF HOUR PROGRAM

Former professional boxer, Laila Ali, scours the globe to find some of the world's most compelling stories. The program steps off the beaten track into uncharted territory profiling inspirational people, groundbreaking achievements and extraordinary lifestyles. Whether through sports, culture, travel or adventure, this program inspires its audience to go ALL IN on their dreams.

THE WILDLIFE DOCS

TARGETS AGES 13-16 YEARS

AIRED: SATURDAYS @ 10:00AM AND 10:30AM - A HALF HOUR PROGRAM

This program follows the surprising, exotic and challenging lives of a veterinary staff that cares for over 2,000 animals. The viewer will witness a variety of wild experiences through the eyes of the veterinary team, such as nutrition, treatments, x-rays, surgery, preventive care and dealing with emergencies. Through this program, the viewer will be given a glimpse of the enormity, variety and quality of treatment that sets the standard for animal care.

OUTBACK ADVENTURES

TARGETS AGES 13-16 YEARS

AIRED: SATURDAYS @ 11:00AM - A HALF HOUR PROGRAM

This educational and informational program is hosted by animal expert and wildlife park operations manager, Tim Faulkner. Viewers can watch and learn as Tim showcases the beauty and wonder of the natural world. Audiences will gain a better understanding of wildlife as Tim explores the habitats and adventures of creatures of all sizes, including a giant Galapagos tortoise, a baby wombat, the flying fox, and even a newly discovered species of birds.



17.3

RESCUE ME WITH DR. LISA

TARGETS AGES 13-16 YEARS

AIRED: SATURDAYS @ 11:30AM - A HALF HOUR PROGRAM

The program's young host, Claire Thomas, shows viewers how everyday life can inspire culinary. This program is about a veterinarian's mission to match orphaned pets with new owners and new homes. Episode examples include finding a dog for a mother and her two young daughters; and, overcoming the challenge of finding a dog for a family who doesn't know what they want. Children will learn what it takes to be a responsible pet owner.



Dear Station,

Pursuant to the Children's Television Act of 1990, "GET WILD AT THE SAN DIEGO ZOO" will satisfy the FCC Children's programming requirement and can be classified as either core or non-core programming. "GET WILD AT THE SAN DIEGO ZOO" serves the educational and informational needs of children 13 to 16 years of age with its program content, including the importance of understanding animals and their habitats. The series is based at the world famous San Diego Zoo, and features notable animal experts.

"GET WILD AT THE SAN DIEGO ZOO" as delivered is formatted to allow for no more than 14 minutes of total commercial time per broadcast hour (7 minutes per half-hour). "GET WILD AT THE SAN DIEGO ZOO" does not display any Internet web site address or host selling during or adjacent to the program, and is otherwise in compliance with Sections 73.670(a) through (d) of the Commission's Rules.

To facilitate your FCC filings, episode synopses are available on line at our website, www.telcoproductions.com. Also available on-line are testimonials from our educational advisory review board, consisting of educators and other professionals who have reviewed the series (see the following letters for details).

If you have any other questions, please don't hesitate to contact us.

Sincerely,

A handwritten signature in cursive script that reads "Alex Paen".

Alex Paen
President, Telco Productions, Inc.

2730 Wilshire Blvd., Suite 200, Santa Monica, CA 90403-4747 USA
Telephone 310.828.4003 Fax 310.828.3340
E-mail info@telcoproductions.com

SERIES DESCRIPTION



Outback Adventures with Tim Faulkner

This is a live action, half-hour television program designed to meet the educational and informational needs of children.

Produced for ages 13-16, this educational and informational program is hosted by wildlife expert Tim Faulkner. Viewers will be provided an eye-opening experience as Tim, animal expert and wildlife park operations manager, showcases the beauty and wonder of the natural world. Audiences will be brought closer to the natural world as Tim explores the habitats and adventures of creatures of all sizes, including a giant Galapagos tortoise, a baby wombat, the flying fox, and even a newly discovered species of birds.

LITTON



Dear Station,

Pursuant to the Children's Television Act of 1990, "WILD WORLD AT THE SAN DIEGO ZOO" will satisfy the FCC Children's programming requirement and can be classified as either core or non-core programming. "WILD WORLD AT THE SAN DIEGO ZOO" serves the educational and informational needs of children 13 to 16 years of age with its program content. The series provides an in-depth look at the behavior and life cycles of various rare and exotic animals.

"WILD WORLD AT THE SAN DIEGO ZOO" as delivered is formatted to allow for no more than 14 minutes of total commercial time per broadcast hour (7 minutes per half-hour). "WILD WORLD AT THE SAN DIEGO ZOO" does not display any Internet web site address or host selling during or adjacent to the program, and is otherwise in compliance with Sections 73.670(a) through (d) of the Commission's Rules.

To facilitate your FCC filings, episode synopses are available on line at our website, www.telcoproductions.com. Also available on-line are testimonials from our educational advisory review board, consisting of educators and other professionals who have reviewed the series (see the following letters for details).

If you have any other questions, please don't hesitate to contact us.

Sincerely,

A handwritten signature in cursive script that reads "Alex Paen".

Alex Paen
President, Telco Productions, Inc.

2730 Wilshire Blvd., Suite 200, Santa Monica, CA 90403-4747 USA
Telephone 310.828.4003 Fax 310.828.3340
E-mail info@telcoproductions.com



All In with Laila Ali Series Description:

All In with Laila Ali is a weekly half-hour series that delves into the world of sports, culture, travel and adventure. Developed and produced for viewers aged 13-16, each week host Laila Ali profiles inspirational people and showcases their extraordinary achievements.

In this half-hour series Laila Ali scours the globe to track down the world's most compelling stories, profiling inspirational athletes, showcasing groundbreaking achievements and extraordinary stories. Exploring the world of sports, culture, travel and adventure, this educational program steps off the beaten track into uncharted territory inspiring audiences to go all in on their dreams.

Series Description: All In with Laila Ali

LITTON
ENTERTAINMENT



Series: All In with Laila Ali



1/2/13

RE: PROGRAM CONTENT

To Whom It May Concern:

The purpose of this letter is to provide television stations with certified documentation that the producers of the *All in with Laila Ali* series design the program to educate and inform children 13- 16 years of age.

Litton Entertainment is the producer of the *All in with Laila Ali* series.

This is a live action, half-hour television program designed to meet the educational and informational needs of children.

In this half-hour series Laila Ali scours the globe to track down the world's most compelling stories, profiling inspirational people, showcasing groundbreaking achievements and extraordinary stories. Exploring the world of sports, culture, travel and adventure, this educational program steps off the beaten track into uncharted territory inspiring audiences to go all in on their dreams.

In order for parents, children, and listing services to clearly identify the programs as ones that fulfill the FCC programming requirements that meet children's educational television needs, each episode is closed-captioned and contains an E/I icon for the duration of the program with the recommended parental rating icon – typically, if not always, TV-G.

Sincerely,

Dave Morgan

Litton Entertainment

LITTON



The Wildlife Docs

The half-hour weekly series, *The Wildlife Docs*, produced for ages 13-16 follows the surprising, exotic, and challenging lives of a veterinary staff that cares for over 2,000 animals. From nutrition to treatments, x-rays to surgery, preventative care to emergencies, this educational and information program will allow viewers to witness a kaleidoscope of wild experiences through the eyes of our Veterinary Team. Unpredictable events unfold giving viewers a glimpse of the enormity, variety, and quality of treatment that sets the standard for animal care.

Series Description: The Wildlife Docs

LITTON

Series: THE WILDLIFE DOCS



6/20/2016

RE: PROGRAM CONTENT

To Whom It May Concern: .

The purpose of this letter is to provide television stations with certified documentation that the producers of *The Wildlife Docs* series design the program to educate and inform children 13- 16 years of age.

Litton Entertainment is the producer of The Wildlife Docs series.

This is a live action, half-hour television program designed to meet the educational and informational needs of children.

The Wildlife Docs follows the surprising, exotic, and challenging lives of a veterinary staff that cares for over 2,000 animals. From nutrition to treatments, x-rays to surgery, preventative care to emergencies, this educational and information program will allow viewers to witness a kaleidoscope of wild experiences through the eyes of our Veterinary Team. Unpredictable events unfold giving viewers a glimpse of the enormity, variety, and quality of treatment that sets the standard for animal care.

In order for parents, children, and listing services to clearly identify the programs as ones that fulfill the FCC programming requirements that meet children's educational television needs, each episode is closed-captioned and contains an E/I icon for the duration of the program with the recommended parental rating icon – typically, if not always, TV-G.

Sincerely,

Dave Morgan

Litton Entertainment

LITTON

Series: Outback Adventures with Tim Faulkner



6/20/16

RE: PROGRAM CONTENT

To Whom It May Concern:

The purpose of this letter is to provide television stations with certified documentation that the producers of *Outback Adventures with Tim Faulkner* series design the program to educate and inform children 13-16 years of age.

Litton Entertainment is the producer of *Outback Adventures with Tim Faulkner* series.

This is a live action, half-hour television program designed to meet the educational and informational needs of children.

Produced for ages 13-16, this educational and informational program is hosted by wildlife expert Tim Faulkner. Viewers will be provided an eye-opening experience as Tim, animal expert and wildlife park operations manager, showcases the beauty and wonder of the natural world. Audiences will be brought closer to the natural world as Tim explores the habitats and adventures of creatures of all sizes, including a giant Galapagos tortoise, a baby wombat, the flying fox, and even a newly discovered species of birds.

In order for parents, children, and listing services to clearly identify the programs as ones that fulfill the FCC programming requirements that meet children's educational television needs, each episode is closed-captioned and contains an E/I icon for the duration of the program with the recommended parental rating icon – typically, if not always, TV-G.

Sincerely,

Dave Morgan

Litton Entertainment

LITTON



SERIES DESCRIPTION

RESCUE ME WITH DR. LISA

Rescue Me with Dr. Lisa is a weekly half-hour series produced for viewers 13-16 and the entire family that educates and informs the audience about canine adoption and creating healthy environments for dogs. Hosted by Dr. Lisa Chimes, a passionate emergency veterinarian with a heart of gold, each episode will feature Dr. Lisa matching orphaned and abandoned animals with loving new homes. *Rescue Me with Dr. Lisa* will teach teen viewers how to be responsible pet owners and maintain a safe and healthy lifestyle for both family and pet. Each week, *Rescue Me with Dr. Lisa* will take viewers on an experience to witness firsthand these heartwarming stories about pets and their chance for a new life.

Series: Rescue Me with Dr. Lisa



8/26/2016

RE: PROGRAM CONTENT

To Whom It May Concern:

The purpose of this letter is to provide television stations with certified documentation that the producers of the *Rescue Me with Dr. Lisa* series design the program to educate and inform children 13- 16 years of age.

Litton Entertainment is the producer of the *Rescue Me with Dr. Lisa* series.

This is a live action, half-hour television program designed to meet the educational and informational needs of children.

Rescue Me with Dr. Lisa, tells the story about a veterinarian's mission to save orphan animals, one pet at a time. Hosted by Dr. Lisa Chimes, a passionate emergency veterinarian with a heart of gold, each episode will feature Dr. Lisa matching orphaned and abandoned animals with loving new homes. *Rescue Me with Dr. Lisa* will teach teen viewers how to be responsible pet owners and maintain a safe and healthy lifestyle for both family and pet.

In order for parents, children, and listing services to clearly identify the programs as ones that fulfill the FCC programming requirements that meet children's educational television needs, each episode is closed-captioned and contains an E/I icon for the duration of the program with the recommended parental rating icon – typically, if not always, TV-G.

Sincerely,

Dave Morgan

Litton Entertainment

LITTON