



SciTech Now

30 minute weekly program
Fridays at 8:30pm on KLRN

Chris Duel hosts this weekly newsmagazine program. The show covers everything from the IT industry to biomedical enterprises, bringing attention to the science, technology, engineering and mathematics (STEM) advancements in South Central Texas and around the country.

Program number: 132
Program length: 26:46
First air date/time: October 7, 2016 7:30pm

Did you know at one point, College Station, Texas was at the edge of the ocean? Climate change has played an important role on our earth and man's impact is a lot bigger than you think. We sit down with a professor at the University of Incarnate Word, who teaches meteorology, to discuss some of the samples he's collected from College Station and explain how they relate to climate change.
Participants and their affiliations, titles: Chris Duel, Host

Program number: 133
Program length: 26:46
First air date/time: October 14, 2016 7:30pm

Sea World has always made it their mission: to apply basic physiological research efforts and state-of-the-art reproductive technologies toward wildlife species management and conservation. On top of their ongoing conservation efforts, they also aim to teach people, kids especially, on how to treat and care for animals both on land and at sea. We visit Sea World San Antonio to learn more about their education and conservation initiatives, as well as how they use psychology on animals like beluga whales and dolphins. The company collectively cares for what it believes is one of the largest zoological collections in the world and has helped lead advances in the care of animals. Sea World also rescues and rehabilitates marine and terrestrial animals that are ill, injured, orphaned or abandoned, with the goal of returning them to the wild.

Participants and their affiliations, titles: Chris Duel, Host

Program number: 134
Program length: 26:46
First air date/time: October 21, 2016 7:30pm

An aneurysm can be a time bomb, medically speaking, if it's caught in time, doctors will generally observe the aneurysm until it grows to about 5 cm in diameter, which requires surgery to give the blood

vessels relief from the pressure. We speak to a professor and a student who have been researching the idea of freezing aneurysms. Dr. Finol and his students as well as UTSA, make it their mission to achieve tier one research status; with this research, they hope to elevate beyond that status. We'll keep you posted on the progress from UTSA.

Participants and their affiliations, titles: Chris Duel, Host

Program number: 135

Program length: 26:46

First air date/time: October 28, 2016 7:30pm

Atmospheric Water Generations Technology has developed a water generator that is able to produce over 900 gallons of fresh, clean water a day, pulled right out of the atmosphere. We speak to Moses West, CEO of AWG Technology, and discuss their biggest, innovative water generator that has the power to rely solely on humidity. To learn more, visit www.awgtechnology.us

Participants and their affiliations, titles: Chris Duel, Host

Program number: 136

Program length: 26:46

First air date/time: November 4, 2016 7:30pm

When you think about comic books, the terms action, comedy, and thrilling come to mind, but what about science? One surgical doctor here in San Antonio has combined both STEM education and the love of comic books to form a band of super heroes, known as the OsteoCrops. We speak to the founder of the comic book series and introduces us to members of both the OsteoCrops and their enemy, the MalUnion. To learn more, visit osteocrops.com

Participants and their affiliations, titles: Chris Duel, Host

Program number: 137

Program length: 26:46

First air date/time: November 11, 2016 7:30pm

One of the research centers at UTSA has developed a card game based on Magic: The Gathering that teaches kids about cybersecurity. The cards are being used at a number of schools, and Southwest ISD here in San Antonio is currently using them in classes with kids of varying ages. Let's learn more about the Cyber Threat Defender Card Game. The idea is to instill this knowledge in kids when they're young. Cyberterrorism is a growing threat, and as we move to a more digital world, it's becoming increasingly important to understand how to protect yourself.

Participants and their affiliations, titles: Chris Duel, Host

Program number: 138

Program length: 26:46

First air date/time: November 18, 2016 7:30pm

Biology professor, Megan Wise de Valdez and Texas A&M San Antonio students surveyed the mosquito that transmits Zika virus over the summer—the first study of its kind performed in a major metropolitan area. The results of the study are showing trends across the city. We visit the university to learn more about the research that’s been done and discuss what it means for the residents of San Antonio. Researchers used 100 volunteer home owners in San Antonio who allowed the traps in their front yards for 10 weeks. We will keep you updated as this research continues at Texas A&M San Antonio.

Participants and their affiliations, titles: Chris Duel, Host

Program number: 139

Program length: 26:46

First air date/time: December 2, 2016 7:30pm

The Scobee Education Center at San Antonio College is a 22,000 square foot facility combining the Scobee Planetarium, a first-of-its-kind, next-generation Challenger Learning Center and a rooftop star deck and observatory. We take you inside The Scobee Education Center and we learn how it’s helping to enriching the lives of children and adults alike by fostering a love of science and astronomy through hands-on and minds-on experiential education. The Center aims to carry on the Space Shuttle Challenger crews educational mission - to spark interest and joy in science, technology, engineering and math. And in a future episode, we’ll take you inside the Scobee Planetarium to meet the man who makes the shows possible and visually entertaining.

Participants and their affiliations, titles: Chris Duel, Host

Program number: 140

Program length: 26:46

First air date/time: December 9, 2016 7:30pm

Program description: The UTSA Institute of Texan Cultures opened a new exhibit called “1000 Parks and a Line in the Sky: Broadway, Avenue of the Future,” a design vision by Dr. Antonio Petrov, UTSA assistant professor of architecture, and the “think/do-tank” he has established in the College of Architecture, Construction and Planning. We take you inside the institute to visit the exhibit which also features a 50-foot-long model of Broadway, a street that has the potential to become San Antonio’s great urban avenue. The interactive installation focuses on public input, while associated public events, roundtable discussions, photo collection events, and educational programming will bridge the past and future of Broadway to help the community imagine its new identity. We’ll keep you updated on their progress and for more information, visit cacp.utsa.edu

Participants and their affiliations, titles: Chris Duel, Host

Program number: 141

Program length: 26:46

First air date/time: December 16, 2016 7:30pm

Program description: Welcome to our weekly program that highlights the latest breakthroughs in Science, Technology, and Innovation, from places as far as around the world, and as local, as the city of San Antonio and the South Texas area.

Participants and their affiliations, titles: Chris Duel, Host