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NETWORK

CRN Segments

Round Five: Listening to the Cosmos

June 2017

Series information & episode cue sheets

Title:	Listening to the Cosmos
Producer:	Thalia Colettis & Reece Jackson
Station:	4ZZZ
Episodes:	10
Duration:	3'00 mins
Tagline:	Exploring cosmic signals with radio astronomy.
Bait:	<i>What objects can you hear out in the cosmos?</i>

Series Synopsis:

A telescopic ear of the signals emitted by cosmic entities - things like shooting stars; the sun; black holes; the core of galaxies and the big bang among others. Everything we can see in the cosmos emits signals we can tune in to and Australia is a major leader in radio astronomy research.

Join Thalia and the Professor as they light up your ears with sounds and mysteries of the cosmos.

About CRN Segments

The fifth round of CRN Segments is now available for on-air use by Australian community broadcasters and stations.

For more information and to retrieve series for airplay visit the CBAA website:
<http://www.cbaa.org.au/crnsegments>

Produced with the assistance of the Department of Communications and the Arts via the Community Broadcasting Foundation - www.cbf.com.au

Listening to the Cosmos

Episode 1 of 10

A telescopic ear of the signals emitted by cosmic entities - things like shooting stars; the sun; black holes; the core of galaxies and the big bang among others. Everything we can see in the cosmos emits signals we can tune in to and Australia is a major leader in radio astronomy research. Join Thalia and the Professor as they light up your ears with sounds and mysteries of the cosmos.

Producer: Thalia Colettis & Reece Jackson

Duration: 3'00

Your intro:

We're about to take a look at a series called "Listening to the Cosmos". Your hosts will be Thalia and the Professor, as you hear sounds from across the universe, picked up by our radio telescopes on earth and adapted for radio.

This episode, they'll be introducing shooting stars from this unique and fascinating perspective.

Audio cue in - *Are You listening to the cosmos?*

Audio cue out - *Produced in the studios of 4ZZZ for the community radio network*

Your back-announce:

That was Thalia and the Professor introducing the sounds of a shooting star for our new series "Listening to the Cosmos", highlighting the fascinating field of radio astronomy. Be sure to listen out for more fascinating episodes on [YOUR STATION NAME].

Additional information:

Listening to the Cosmos is brought to you as part of CRN Segments Round Five, with financial assistance from the Community Broadcasting Foundation.

Contains NASA flight recordings using music from the Movie Groundhog Day. Columbia Pictures. Duration: 0'19

Listening to the Cosmos

Episode 2 of 10

A telescopic ear of the signals emitted by cosmic entities - things like shooting stars; the sun; black holes; the core of galaxies and the big bang among others. Everything we can see in the cosmos emits signals we can tune in to and Australia is a major leader in radio astronomy research. Join Thalia and the Professor as they light up your ears with sounds and mysteries of the cosmos.

Producer: Thalia Colettis & Reece Jackson

Duration: 3'00

Your intro:

We're about to take a look at a series called "Listening to the Cosmos". Your hosts will be Thalia and the Professor, as you hear sounds from across the universe, picked up by our radio telescopes on earth and adapted for radio.

This episode they'll be exploring the sounds of the sun.

Audio cue in - *Are You listening to the cosmos?*

Audio cue out - *Produced in the studios of 4ZZZ for the community radio network*

Your back-announce:

That was Thalia & the Professor with "Listening to the Cosmos" bringing us sounds from the sun. Make sure you keep your ears out for more episodes on [YOUR STATION NAME].

Additional information:

Listening to the Cosmos is brought to you as part of CRN Segments Round Five, with financial assistance from the Community Broadcasting Foundation.

Contains NASA flight recordings using music from "What a wonderful world" by Louis Armstrong. ABC, HMV. Duration: 0'30

Listening to the Cosmos

Episode 3 of 10

A telescopic ear of the signals emitted by cosmic entities - things like shooting stars; the sun; black holes; the core of galaxies and the big bang among others. Everything we can see in the cosmos emits signals we can tune in to and Australia is a major leader in radio astronomy research. Join Thalia and the Professor as they light up your ears with sounds and mysteries of the cosmos.

Producer: Thalia Colettis & Reece Jackson

Duration: 3'00

Your intro:

We're about to take a look at a series called "Listening to the Cosmos". Your hosts will be Thalia and the Professor, as you hear sounds from across the universe, picked up by our radio telescopes on earth and adapted for radio.

This episode is out of this world. Get ready for the songs of pulsars & alien signals.

Audio cue in - *Are You listening to the cosmos?*

Audio cue out - *Produced in the studios of 4ZZZ for the community radio network*

Your back-announce:

That was Thalia & the Professor with "Listening to the Cosmos" bringing us sounds from pulsars and alien signals. Make sure you keep your ears out for more episodes on [YOUR STATION NAME].

Additional information:

Listening to the Cosmos is brought to you as part of CRN Segments Round Five, with financial assistance from the Community Broadcasting Foundation.

Contains NASA flight recordings using music from Vertigo by U2. Island, Interscope. Duration: 0'30

Listening to the Cosmos

Episode 4 of 10

A telescopic ear of the signals emitted by cosmic entities - things like shooting stars; the sun; black holes; the core of galaxies and the big bang among others. Everything we can see in the cosmos emits signals we can tune in to and Australia is a major leader in radio astronomy research. Join Thalia and the Professor as they light up your ears with sounds and mysteries of the cosmos.

Producer: Thalia Colettis & Reece Jackson

Duration: 3'00

Your intro:

We're about to take a look at a series called "Listening to the Cosmos". Your hosts will be Thalia and the Professor, as you hear sounds from across the universe, picked up by our radio telescopes on earth and adapted for radio.

This episode you'll be exploring the Sound of a Supernova.

Audio cue in - *Are You listening to the cosmos?*

Audio cue out - *Produced in the studios of 4ZZZ for the community radio network*

Your back-announce:

That was Thalia & the Professor with "Listening to the Cosmos" bringing us sounds from supernovae [pronounced 'super-no-vay']. Make sure you keep your ears out for more episodes on [YOUR STATION NAME].

Additional information:

Listening to the Cosmos is brought to you as part of CRN Segments Round Five, with financial assistance from the Community Broadcasting Foundation.

Contains NASA flight recordings. Duration: 0'23

Listening to the Cosmos

Episode 5 of 10

A telescopic ear of the signals emitted by cosmic entities - things like shooting stars; the sun; black holes; the core of galaxies and the big bang among others. Everything we can see in the cosmos emits signals we can tune in to and Australia is a major leader in radio astronomy research. Join Thalia and the Professor as they light up your ears with sounds and mysteries of the cosmos.

Producer: Thalia Colettis & Reece Jackson

Duration: 3'00

Your intro:

We're about to take a look at a series called "Listening to the Cosmos". Your hosts will be Thalia and the Professor, as you hear sounds from across the universe, picked up by our radio telescopes on earth and adapted for radio.

This episode you'll hear the sound of some of the largest known forces the universe has ever known - Quasars.

Audio cue in - *Are You listening to the cosmos?*

Audio cue out - *Produced in the studios of 4ZZZ for the community radio network*

Your back-announce:

That was Thalia & the Professor with "Listening to the Cosmos" bringing us sounds from quasars. Make sure you keep your ears out for more episodes on [YOUR STATION NAME].

Additional information:

Listening to the Cosmos is brought to you as part of CRN Segments Round Five, with financial assistance from the Community Broadcasting Foundation.

Contains NASA flight recordings using music from I'm Going Up by Clair Lynch. Universal Music. Duration: 0'27

Listening to the Cosmos

Episode 6 of 10

A telescopic ear of the signals emitted by cosmic entities - things like shooting stars; the sun; black holes; the core of galaxies and the big bang among others. Everything we can see in the cosmos emits signals we can tune in to and Australia is a major leader in radio astronomy research. Join Thalia and the Professor as they light up your ears with sounds and mysteries of the cosmos.

Producer: Thalia Colettis & Reece Jackson

Duration: 3'00

Your intro:

We're about to take a look at a series called "Listening to the Cosmos". Your hosts will be Thalia and the Professor, as you hear sounds from across the universe, picked up by our radio telescopes on earth and adapted for radio.

This episode will be listening out for little green men. What exactly goes into the Search For Extra Terrestrial Intelligence, and how likely are we to hear something?

Audio cue in - *Are You listening to the cosmos?*

Audio cue out - *Produced in the studios of 4ZZZ for the community radio network*

Your back-announce:

That was Thalia & the Professor with "Listening to the Cosmos" bringing us the mysteries of extra-terrestrial signals. Make sure you keep your ears out for more episodes on [YOUR STATION NAME].

Additional information:

Listening to the Cosmos is brought to you as part of CRN Segments Round Five, with financial assistance from the Community Broadcasting Foundation.

Contains NASA flight recordings using music from Walk Of Life by Dire Straits. Vertigo (UK), Warner Bros (USA). Duration: 0'27

Listening to the Cosmos

Episode 7 of 10

A telescopic ear of the signals emitted by cosmic entities - things like shooting stars; the sun; black holes; the core of galaxies and the big bang among others. Everything we can see in the cosmos emits signals we can tune in to and Australia is a major leader in radio astronomy research. Join Thalia and the Professor as they light up your ears with sounds and mysteries of the cosmos.

Producer: Thalia Colettis & Reece Jackson

Duration: 3'00

Your intro:

We're about to take a look at a series called "Listening to the Cosmos". Your hosts will be Thalia and the Professor, as you hear sounds from across the universe, picked up by our radio telescopes on earth and adapted for radio.

This episode will be tuning into the centre of the Milky Way Galaxy, as we listen Sagittarius "A-Star" (A*).

Audio cue in - *Are You listening to the cosmos?*

Audio cue out - *Produced in the studios of 4ZZZ for the community radio network*

Your back-announce:

That was Thalia & the Professor with "Listening to the Cosmos" bringing us sounds from Sagittarius a-star. Make sure you keep your ears out for more episodes on [YOUR STATION NAME].

Additional information:

Listening to the Cosmos is brought to you as part of CRN Segments Round Five, with financial assistance from the Community Broadcasting Foundation.

Contains NASA flight recordings using music from Big Rock Candy Mountain by Harry McClintock. Label Not Known.

Listening to the Cosmos

Episode 8 of 10

A telescopic ear of the signals emitted by cosmic entities - things like shooting stars; the sun; black holes; the core of galaxies and the big bang among others. Everything we can see in the cosmos emits signals we can tune in to and Australia is a major leader in radio astronomy research. Join Thalia and the Professor as they light up your ears with sounds and mysteries of the cosmos.

Producer: Thalia Colettis & Reece Jackson

Duration: 3'00

Your intro:

We're about to take a look at a series called "Listening to the Cosmos". Your hosts will be Thalia and the Professor, as you hear sounds from across the universe, picked up by our radio telescopes on earth and adapted for radio.

This episode looks at the faint song found at the Edge of the Universe.

Audio cue in - *Are You listening to the cosmos?*

Audio cue out - *Produced in the studios of 4ZZZ for the community radio network*

Your back-announce:

That was Thalia & the Professor with "Listening to the Cosmos", talking about the edge of the universe. Make sure you keep your ears out for more episodes on [YOUR STATION NAME].

Additional information:

Listening to the Cosmos is brought to you as part of CRN Segments Round Five, with financial assistance from the Community Broadcasting Foundation.

Contains NASA flight recordings using music from "Where will my heart take me" from Star Trek Enterprise. Paramount Television. Duration: 0'30

Listening to the Cosmos

Episode 9 of 10

A telescopic ear of the signals emitted by cosmic entities - things like shooting stars; the sun; black holes; the core of galaxies and the big bang among others. Everything we can see in the cosmos emits signals we can tune in to and Australia is a major leader in radio astronomy research. Join Thalia and the Professor as they light up your ears with sounds and mysteries of the cosmos.

Producer: Thalia Colettis & Reece Jackson

Duration: 3'00

Your intro:

We're about to take a look at a series called "Listening to the Cosmos". Your hosts will be Thalia and the Professor, as you hear sounds from across the universe, picked up by our radio telescopes on earth and adapted for radio.

This episode is titled: Dark Matter's Eerie Silence.

Audio cue in - *Are You listening to the cosmos?*

Audio cue out - *Produced in the studios of 4ZZZ for the community radio network*

Your back-announce:

That was Thalia & the Professor with "Listening to the Cosmos" bringing us dark matter's eerie silence. Make sure you keep your ears out for more episodes on [YOUR STATION NAME].

Additional information:

Listening to the Cosmos is brought to you as part of CRN Segments Round Five, with financial assistance from the Community Broadcasting Foundation.

Contains NASA flight recordings using music from 'Amarillo by Morning' by George Strait. Atlantic Records. Duration: 0'30

Listening to the Cosmos

Episode 10 of 10

A telescopic ear of the signals emitted by cosmic entities - things like shooting stars; the sun; black holes; the core of galaxies and the big bang among others. Everything we can see in the cosmos emits signals we can tune in to and Australia is a major leader in radio astronomy research. Join Thalia and the Professor as they light up your ears with sounds and mysteries of the cosmos.

Producer: Thalia Colettis & Reece Jackson

Duration: 3'00

Your intro:

We're about to take a look at a series called "Listening to the Cosmos". Your hosts will be Thalia and the Professor, as you hear sounds from across the universe, picked up by our radio telescopes on earth and adapted for radio.

This episode will take us all the way back to the start. Get your ears ready to listen to the Big Bang.

Audio cue in - *Are You listening to the cosmos?*

Audio cue out - *Produced in the studios of 4ZZZ for the community radio network*

Your back-announce:

That was Thalia & the Professor with "Listening to the Cosmos" bringing us sounds from the big bang. Make sure you keep your ears out for more episodes on [YOUR STATION NAME].

Additional information:

Listening to the Cosmos is brought to you as part of CRN Segments Round Five, with financial assistance from the Community Broadcasting Foundation.

Contains NASA flight recordings using music from "Good Day Sunshine" by "the Beatles". Parlophone Records. Duration: 0'32

To station presenters: did you enjoy this series? Find it useful? Have any suggestions? Email crn@cbaa.org.au with your feedback.