



Photos by Brenna Visser/The Daily Astorian

Jonathan Jessop grades sand off a sculpture while the family dog takes advantage of the sun.

Model: Ultimate goal is to persuade city to develop a plan to retrofit every bridge

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"After a certain point, your return on investment might not be to fix more bridges, but take those resources and put it toward a vertical evacuation structure," Cox said. "It might not even be infrastructure. You could possibly use resources in more education, et cetera."

The integrity of Seaside's bridges during a seismic event is not a new concern. In 2015, Transportation for America, a Washington, D.C.-based infrastructure advocacy group, found seven of 10 bridges in Seaside were "structurally deficient."

But the conversation has mostly focused around structural deficiencies rather than population distribution, and the timing of the new study could possibly influence the outcome of a work session scheduled in July centered around designing a strategy for bridge replacement.

City Councilor Tom Horning, a geologist who will lead the discussion, has been an advocate for replacing bridges at Avenue U and Avenue G in particular. He wants to make sure areas on the south end of town with evacuation times estimated at 35 minutes will have a reliable and quick way out to high ground.

But his ultimate goal is to

persuade the city to develop a plan that retrofits every bridge.

"Seaside, because of geographic layout and rivers, is one of the most challenging communities on the coast," Horning said, in reference to evacuating in a tsunami. "There's a strategy in focusing on population concentrations and prioritizing based on that. But every bridge needs to be done. We don't want to find ourselves in a Hurricane Katrina situation, where we knew there was something that could be done but didn't do it."

Cox and Wang emphasized their research — funded by the Oregon Sea Grant and the National Science Foundation — is not an end-all solution for tsunami preparations in Seaside.

The two are working on a new study on the most effective locations for vertical evacuation structures in Seaside, of which there are many, preliminary research shows. They are also working on new simulations that account for a tourist population who may not know the most efficient route to high ground, different weather conditions and different times of day — all factors that change human behavior and could provide new recommendations.

"A lot of decisions have economic and social factors. We're just trying to do a piece of the puzzle," Cox said.

Contest: 'To me, this means family'

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But the Jessop's success at competitive sand sculpting is rooted in a humble beginning.

"I just wanted something to do with my kids when they were little," Yvonne Jessop said.

As the mother of five, Jessop found the contest on the internet and decided to sign the family up.

"I remember thinking, 'We can build a sandcastle,'" she said, "meanwhile having no idea — none at all — of what these kind of sandcastles looked like."

In their first year competing in the large group division, the family was floored by what they saw from other teams. So they trained, bought books, studied the tools other teams used and eventually geared up to compete in the Masters Division three years later.

The day of competition was 42 degrees and raining, causing everything they made to slump and melt. Their spirits, however, remained unaffected.

"I didn't know if my kids would ever want to try that again," Jessop said. "But when we got back to camp, they said, 'What are we going to make next year?'"

And the kids — now mostly in their 20s — have kept asking that question as they each have made an annual pilgrimage to Cannon Beach to compete.

Jonathan Jessop, who started building at 14, is now 25 and flies in from Hawaii each year for the contest.

"To me, this means family. It's not about winning, it's about the fun," Jonathan Jessop said. "It's defi-



Yvonne and Juliette Jessop wheel buckets of water to their sandcastle plot. Their family has competed in the Cannon Beach Sandcastle Contest for nine years.



LEFT: Many teams use unconventional tools — like watermelons — to help create certain shapes in the sand. MIDDLE: Thomas Gray of Newberg meticulously carves out the word 'Haystack Rock' to complete his team's sandcastle replica of the iconic seastack. RIGHT: The Jessop family says a cheer right before the kickoff of the Cannon Beach Sandcastle Contest.

nately not for the warm sunny beaches. Hawaii has plenty of those."

As the kids have grown, so has the team as new in-laws and girlfriends are roped into the family tradition. No matter how they place, Yvonne

Jessop said after nine years of competition the family has received something greater.

"(Competing) has made us work together better than anything else. Like any team, there's conflict. But when it comes all together

in the end, it's good," she said. "It's really changed the dynamic of the family. As the kids have grown, we've learned how to communicate and solve problems differently than we would have otherwise."

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TV SCHEDULE

THE DAILY ASTORIAN

Evening listings MONDAY

MONDAY EVENING												JUNE 11		
A	L	6 PM	6:30	7 PM	7:30	8 PM	8:30	9 PM	9:30	10 PM	10:30	11 PM	11:30	
2	KATU (2)	NBA Basketball Playoffs Cleveland Cavaliers at Golden State Warriors Site: Oracle Arena (L)	Oracle Arena (L)				Jimmy Kimmel (N)	Wheel Fortune (N)	Jeopardy! (N)	ABC News Nightline	KATU News (N)			(3:5) Jimmy Kimmel
3	KOMO (4)	NBA Basketball Playoffs Cleveland Cavaliers at Golden State Warriors Site: Oracle Arena (L)	Oracle Arena (L)				Jimmy Kimmel (N)	Wheel Fortune (N)	Jeopardy! (N)	KOMO 4 News (N)				(3:5) Jimmy Kimmel
5	KING (5)	(5:00) KING 5 News	KING 5 News	KING 5 News	Evening A look at fun things to do and see in the Northwest.								KING 5 News (N)	(3:5) Tonight Show
6	KOIN (6)	KOIN Local 6 (N)	Evening News (N)	Extra	Ent. Tonight	Mom	Man With a Plan	Superior Donuts	Biblically (N)	Elementary "Sober Companions" (N)			KOIN 6 News (N)	(3:5) Colbert
7	KIRO (7)	KIRO 7 News (N)	Evening News (N)	KIRO 7 News (N)	Ent. Tonight	Mom	Man With a Plan	Superior Donuts	Biblically (N)	Elementary "Sober Companions" (N)			KIRO News (N)	(3:5) Colbert
8	KGW (8)	KGW News at 6:00 p.m. (N)	Tonight Cassidy	Inside Edition	American Ninja Warrior Contestants try to become the next Ninja Warrior.	Whose Line (N)	Whose Line Is It?	News at 10 (N)	Friends	Two and a Half			KGW News (N)	(3:5) Tonight Show
9	KRCW (9)	Modern Family	Modern Family	The Goldbergs	Supergirl "Make It Reign" (N)	Whose Line (N)	Whose Line Is It?	News at 10 (N)	Friends	Two and a Half			Two and a Half	
10	KOPB (10)	This Old House	Business (N)	PBS NewsHour (N)	Ore.Exp. "Oregon State University" (N)	An Oregon Experience "Oregon State University"	Rick Steves' The Ho							
12	KPTV (12)	6 O'Clock News (N)	Family Feud	Family Feud	You Can Dance "Auditions #2" (N)	9-1-1 "Next of Kin"	10 O'Clock News (N)	News (N)	Page Six TV					
13	KPDx (13)	Mike & Molly	Mike & Molly	Big Bang Theory	Big Bang Theory	FOX 12's News (N)	9 O'Clock News (N)	Family Guy	American Dad!	News (N)	The Game	The Game		
13	KCPQ (13)	Modern Family	Modern Family	Big Bang Theory	Big Bang Theory	You Can Dance "Auditions #2" (N)	9-1-1 "Next of Kin"	Q13 NEWS AT 10 (N)	News (N)	The Simpsons				
20	TBS (20)	Family Guy	Family Guy	Family Guy	Family Guy	Family Guy	Family Guy	American Dad!	American Dad!	Conan (N)				
29	KZJO (29)	Friends	Mom	Modern Family	Mom	Modern Family	Q13 News at 9 (N)	Big Bang Theory	Big Bang Theory	Two and a Half	Two and a Half			
29	ESPN2 (29)	(5:30) NCAA Baseball	Division I Tournament (L)					SportsCenter (N)	SportsCenter With Scott Van Pelt (N)	SportsCenter (N)	SportsCenter (N)			
30	ESPN2 (30)	(4:00) NCAA Baseball	NFL Live					SportsCenter (N)	NBA at the Mic (L)	NFL Live				
61	NICK (31)	(5:30) The Loud House	Keep It Spottless	Keep It Spottless	To Be Announced	Full House	Friends	(3:05) Friends	(4:0) Friends					
62	DISN (32)	(1:15) Bizaardvark	(4:0) Raven's Home	(5:5) Bunk'd	Bunk'd	Andi Mack (N)	Raven's Home	Stuck in Middle	DuckTales	Bizaardvark	Raven's Home	Andi Mack	Bunk'd	
64	FAM (34)	*** Mulan (1998, Animated)	Eddie Murphy, BD Wong, Ming-Na Wen.	Weddings "Relationship Goals" (P) (N)	*** Beauty and the Beast (91)	Voices of Richard White, Paige O'Hara.	The 700 Club							
65	FMC (35)	(5:00) *** Captain Phillips (13)	Tom Hanks.	(4:5) *** Captain Phillips (2013, Docu-Drama)	Barkhad Abdi, Tom Hanks.	*** The Secret Life of Walter Mitty (13)	Ben Stiller.							
38	LIFE (36)	Grey's Anatomy	To Be Announced	PD Women (N)	PD Women (N)	Esc.Polygamy "Escaping Wedlock" (N)	To Be Announced							
38	ROOT (38)	Mariners Access	MarinersPre-game	MLB Baseball Los Angeles Angels at Seattle Mariners Site: Safeco Field -- Seattle, Wash. (L)	Post-game	MLB Baseball Los Angeles Angels at Seattle Mariners								
69	F51 (39)	Phenoms (N)	Phenoms (N)	Phenoms "Spain" (N)	MLB Whiparound (L)	TMZ Sports (N)	Skip and Shannon: Undisputed Opinions on the biggest sports topics of the day.	U.S. Open Epics						
43	SPIKE (43)	Mom	Mom	Friends	Friends	Friends	Cops	Cops	Cops	Cops	Cops	Cops		
44	COM (44)	The Office	The Office	The Office	The Office	The Office	The Office	The Office	The Office	The Office	The Office	The Office		
45	HIST (45)	Amer. Pickers "A Few Good Junk Men"	American Pickers "Beer Factor"	American Pickers "Frank's Folly"	Amer. Pickers "Million-Dollar Cars" (N)	(05) American Pickers "Space Ranger"	(05) SwampMysteri	"Gator vs. Python"						
46	A&E (46)	To Be Announced												
47	TLC (47)	Say Yes-Dress	Say Yes-Dress	Think You Are "Molly Shannon" (N)	Think You Are "Molly Shannon" (N)	Think You Are "Molly Shannon" (N)	Think You Are "Molly Shannon" (N)	Think You Are "Molly Shannon" (N)	Think You Are "Molly Shannon" (N)	Think You Are "Molly Shannon" (N)	Think You Are "Molly Shannon" (N)	Think You Are "Molly Shannon" (N)		
48	DISC (48)	Outlaws-Cash Days Comes to OKC	Street Outlaws "A \$50,000 Weekend"	Street Outlaws "The Doc Amendment"	Street Outlaws	Street Outlaws	Street Outlaws	Street Outlaws	Street Outlaws	Street Outlaws	Street Outlaws	Street Outlaws		
49	NGEO (49)	Megastructures "Louvre Abu Dhabi"	South America Untamed (N)	Drain the Oceans: Gulf of Mexico	Drain the Oceans (N)	Drain the Oceans	Drain the Oceans	Drain the Oceans	Drain the Oceans	Drain the Oceans	Drain the Oceans	Drain the Oceans		
50	TNT (50)	(4:30) *** The Hobbit: The Desolation of Smaug (13)	Martin Freeman.	*** The Hobbit: The Battle of the Five Armies (14, Adventure)	Richard Armitage, Benedict Cumberbatch, Martin Freeman.	Dietland "Y Not" (N)	Unapologetic with Aisha Tyler (N)							
51	AMC (51)	(4:00) The Goonies	** My Cousin Vinny (1992, Comedy)	Marisa Tomei, Ralph Macchio, Joe Pesci.	WWE Monday Night Raw	Best Baker "Old School Classics" (N)	To Be Announced	Duff Till Dawn	(05) A. Ninja "Playoffs Vegasode" (N)	Dallas Cakes (N)	Vegas Cakes (N)			
52	USA (52)	Modern Family	Modern Family	Modern Family	Modern Family	WWE Monday Night Raw	Best Baker "Magnificent Meringue"	Best Baker "Old School Classics" (N)	To Be Announced	Duff Till Dawn	(05) A. Ninja "Playoffs Vegasode" (N)	Dallas Cakes (N)	Vegas Cakes (N)	
53	FOOD (53)	Cupcake Wars	Cupcake Wars	Cupcake Wars	Cupcake Wars	Best Baker "Magnificent Meringue"	Best Baker "Old School Classics" (N)	To Be Announced	Duff Till Dawn	(05) A. Ninja "Playoffs Vegasode" (N)	Dallas Cakes (N)	Vegas Cakes (N)		
54	HGTV (54)	Love It or List It	Love It or List It "Master Mistakes"	Love It or List It "Pool House Problems"	Love/List "Home Working Woes" (N)	House Hunters (N)	House Hunters (N)	House Hunters (N)	House Hunters (N)	House Hunters (N)	House Hunters (N)	House Hunters (N)		
55	FX (56)	(4:30) Guardians of the Galaxy	** Pacific Rim (2013, Action)	Charlie Hunnam, Rinko Kikuchi, Idris Elba.	CNN Tonight With Don Lemon	Anderson Cooper 360	Tucker Carlson Tonight	Hannity	Cuomo Prime Time	CNN Tonight With Don Lemon	CNN Tonight With Don Lemon	CNN Tonight With Don Lemon		
57	CNN (57)	Cuomo Prime Time	CNN Tonight With Don Lemon	The Inghram Angle	Shark Tank	Anderson Cooper 360	Tucker Carlson Tonight	Hannity	Cuomo Prime Time	CNN Tonight With Don Lemon	CNN Tonight With Don Lemon	CNN Tonight With Don Lemon		
58	FNC (58)	Hannity	The Inghram Angle	Shark Tank	Real Housewives "Reunion Part Two"	Real Housewives (N)	Real Housewives (N)	The Real Housewives "Uncensored"	Watch What (N)	Housewives P.				
63	BRAV (63)	Real Housewives "Reunion Part One"	Real Housewives "Reunion Part Two"	Real Housewives "Reunion Part Three"	Housewives (N)	Real Housewives (N)	The Real Housewives "Uncensored"	Watch What (N)	Housewives P.					
64	TCM (64)	(5:00) Pygmalion	(4:45) *** Of Human Bondage (34)	Leslie Howard.	(15) *** Romeo and Juliet (1936, Drama)	Leslie Howard, John Barrymore, Norma Shearer.	Scarlet Pimpernel							
65	SYFY (65)	(4:30) Blood Father	*** Prince of Persia: The Sands of Time (10, Act)	Gemma Arterton, Ben Kingsley, Jake Gyllenhaal.	*** National Treasure: Book of Secrets (2007, Adventure)	Jon Voight, Ed Harris, Nicolas Cage.	Knowing (09)							
162	RFD (162)	American Rancher	Red Steagall	Horse Master	Horse of the West	Craig Cameron	Rural Eve. News	Rural "Ag PhD - The Hefty Brothers"	American Rancher	Red Steagall	Product Showcase			