

Study: 'What's more important: your life or your insured boat?'

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waves that will arrive after 35 minutes at Hammond, 43 minutes at Warrenton, 42 minutes at Astoria and 50 minutes at Tongue Point.

Ports in the lower estuary are likely to be heavily damaged, and boaters should not expect to return to them. The jetties will likely take significant damage, causing a shift in the hydrodynamics of the river and creating a giant flow of debris.

Some situations can't be mitigated. Big ships, which can take several minutes to start and are anchored, really only have one option, Allan said: hunker down.

"No one is coming to rescue you," he said.

Unlike their seaward

counterparts, who are advised to evacuate immediately toward deep water, the study found that the average fishing or sport boats caught in the estuary basically have one option: get to the nearest point of high ground and evacuate uphill.

Heading upriver was listed as an option for some very small, fast boats farther from the mouth of the river that may be able to reach safety by Fitzpatrick Island.

But perhaps one of the biggest takeaways is the idea that, unlike in a distant tsunami, heading out to sea is not an option. People hoping to save their boats will not be able to go out over the Columbia River Bar to get to deep water like some assume, Allan said, as they



Colin Murphy/The Daily Astorian

Boaters may be reluctant to leave their vessels in marinas during an earthquake and tsunami.

will likely be heading into the mouth of the river right as the wave will be emerging.

"When Cascadia happens, there's only one

option. When you're in a port of harbor, get to high ground. You will die," Allan said. "You do not have time to mobilize your boat."

Getting the message out

Another goal of the study is to bring mariner safety to the forefront of emergency preparedness.

While marine safety issues are mentioned, land-based evacuation projects have dominated local discussions.

Getting people — especially tourists — to think about how they would react before they get onto the boat is critical for saving lives, said Patrick Corcoran, a coastal hazards specialist with Oregon State University.

"There is nothing they can do other than save their own life," Corcoran said. "It's really not about protecting the marina or protecting

the boat ... it's about, 'How many people know that their one option is to run to high ground?'"

Without a direct notification from a radio or phone, it's possible people on the water won't even feel the earthquake.

Before heading out, boaters need to consider the realities of attempting to evacuate up a river "with flaming debris heading towards them," Corcoran said.

Just convincing people to abandon their boat in the marina rather than try to take it out to sea is an education effort in itself.

"What's more important: your life or your insured boat?" Corcoran said. "These are things people need to think about."

Marquis: 'Apparently my sin was being critical of Sara Gelsler'

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He singled out state Sen. Sara Gelsler, whose complaints about unwanted touching from state Sen. Jeff Kruse led to an extensive examination of sexual harassment at the Capitol.

"One of the most vocal lawmakers — state Sen. Sara Gelsler, D-Corvallis — succeeded in driving one of her colleagues out of office for hugging her and touching her in a way that made her uncomfortable," Marquis wrote without naming Kruse, a Roseburg Republican who resigned in 2018. "Yet she joined with many of the state's Democrats in easing criminal sentencing of serious felonies — including burglary."

Marquis' column was published a week before state House and Senate leaders reached a \$1.3 million settlement in March with nine women and the state Bureau of Labor and Industries over sexual harassment at the Capitol. In addition to Gelsler's account, two former interns claimed Kruse groped and made sexual comments to them. Kruse has denied the accusations.

A few days after the settlement was announced, several lawmakers called out Marquis' column during a Joint Subcommittee on Public Safety review of a bill to fund district attorneys across the state.

"As I am sure you are aware, an important part of being in law enforcement is ensuring that victims feel respected," said state Rep. Carla Piluso, the Democratic co-chairwoman of the subcommittee and a former Gresham police chief. "I am concerned that with language like this in the public sphere, rape and

MORE ONLINE

Read Marquis' column in the Portland Tribune at bit.ly/2FFlybl

sexual assault victims may be more hesitant to come forward."

Rep. Tawna Sanchez, a Portland Democrat, said the column was "amazingly hurtful to the victims of sexual assault and sexual harassment. And I'm offended by the idea that we are not doing our job."

Rep. Janelle Bynum, a Clackamas Democrat, was also concerned and submitted Marquis' column into the record on the district attorneys' funding bill.

Beth Heckert, the president of the Oregon District Attorneys Association, told lawmakers that she and several other district attorneys had sent personal emails to Sen. Gelsler. "Josh Marquis does not represent Oregon District Attorneys Association," she said.

Heckert, the district attorney in Jackson County, said "there may be things that we agree with and things that we disagree with, but it shouldn't come down to a personal attack."

"And I, as well, was offended that a victim was

basically being blamed for conduct that was happening to them, and thought that was inappropriate."

The Oregon District Attorneys Association issued a statement to lawmakers in March that said the organization stood "firmly with victims of sexual assault and sexual harassment."

"The positions ODAA takes do not always mirror the positions of each of its individual members," the statement said. "Similarly, the statements of individual or former members do not represent the position of ODAA."

Heckert confirmed to The Daily Astorian that Marquis' column was "a factor, but not the entire issue" that prompted the organization's lobbyist to quit.

The Willamette Week first reported on the blowback from Marquis' column last week.

Marquis, who retired in January after 25 years as Clatsop County's district attorney, said he believes the coverage of his column is "politically motivated." He assumes the reaction is because he criticized a powerful legislator by name.

"Apparently my sin was being critical of Sara Gelsler," he said.

Gelsler could not be reached for comment.

Marquis stands by his column, he said. But he said if given the chance to write a few more paragraphs, he would clarify his point that there is a "world of difference" between workplace behavior that is "offensive and sometimes even marginalizing" and being the victim of a crime.

"Sara Gelsler was not the victim of a criminal offense. I'm not saying that as a judgment. I'm just saying that as a fact," Marquis said. "Maybe it should be, but it's not."

Marquis is one of the state's leading critics of lowering the penalties for drug and property crimes. He finds it hypocritical for lawmakers to care about victims of workplace harassment while voting for legislation he feels dismisses the victims of property crimes.

"What I mean is, if you're going to be sensitive to that, then why aren't you being sensitive to the violations of crime victims, women and children, for behavior far, far worse? That's the only point," he explained.

James: Tries to keep rates low

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about, and to have landed in a place he spent years visiting on vacations.

He came to chiropractic practice after a series of events, including an injury during his time with the Army. Chiropractic adjustment was one of the few things that helped relieve the chronic pain he suffered. Another turning point was when his mother was sick and on 13 or 14 different types of medication — none of which seemed to be helping her.

James found himself increasingly frustrated with traditional medicine.

"It didn't answer a lot of the questions in real-world scenarios," he said.

He attended school in Chicago, Illinois, and then in Georgia, ultimately returning to Chicago to begin his medical career. He moved to the North Coast in 2015 and now operates James Chiropractic Spine and Joint Center off Main Street.

Chiropractic care may not be the answer to everyone's medical problems, but James believes it can be a good start and an import-

ant first step in pinpointing serious medical issues. Some of the X-rays he's taken of patients to identify issues with lower back pain have led to the discovery of cancerous tumors.

The cost of medical care on the coast can be high, so James tries to keep his rates low. A basic office visit along with basic treatment can cost as little as \$65.

"This should be something you can reach into your pocket and get," he said.

When clients have little or no money, James and his staff work with them. During the federal government shutdown, he offered care to members of the military for free.

Traditional medicine — surgery, pharmaceutical drugs — is important and has its place, James believes, but chiropractic care is an important option, especially when prescription drug addiction is at an all-time high. There are other ways to address pain, he said.

Besides, he added, with a visit to the chiropractor, "even if you don't get any better, you're never going to get any worse."

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Evening listings MONDAY

| MONDAY EVENING | | | | | | | | | | | | APRIL 1 | |
|----------------|-------|--|---|--|---|--|--|---------------------------------------|-----------------|--|---|---------------------------------------|--------------------|
| 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) KATU News at 6 (N) | | Jeopardy! (N) | Wheel of Fortune | American Idol "Top 20 Solos" (N) | | | | The Fix "The Wire" (N) | | News (N) | (35) Jimmy Kimmel |
| 4 | KOMO | (4) KOMO 4 News at 6pm (N) | | Wheel of Fortune | Jeopardy! (N) | American Idol "Top 20 Solos" (N) | | | | The Fix "The Wire" (N) | | KOMO4News (N) | (35) Jimmy Kimmel |
| 5 | KING | (5) NBC News (N) | KING 5 News (N) | KING 5 News (N) | Evening | The Voice "The Battles Part Two" (N) | | | | The Enemy Within "Eye of Horus" (N) | | KING 5 News (N) | (35) Tonight Show |
| 7 | KOIN | (7) News (N) | Evening News (N) | Extra | Ent. Tonight (N) | Neighborhood (N) Man Plan (N) | Magnum P.I. (N) | | | Bull "Excessive Force" | | KOIN News/ 11 (N) | (35) Colbert |
| 7 | KIRO | (7) KIRO 7 News (N) | Evening News (N) | KIRO 7 News (N) | Ent. Tonight (N) | Neighborhood (N) Man Plan (N) | Magnum P.I. (N) | | | Bull "Excessive Force" | | KIRO News/ 7 (N) | (35) Colbert |
| 9 | KGW | (9) KGW News at 6:00 p.m. (N) | | Tonight Cassidy | Inside Edition | The Voice "The Battles Part Two" (N) | | | | The Enemy Within "Eye of Horus" (N) | | News (N) | (35) Tonight Show |
| 9 | KRCV | (9) Modern Family | Modern Family | The Goldbergs | The Goldbergs | LegendTomor. "Lucha de Apuestas" (N) | PennTeller "April Fool Us Day 2019" (N) | | | News (N) | Friends | Two and a Half | Two and a Half |
| 10 | KOPB | (10) This Old House | Business (N) | PBS NewsHour (N) | | Antiques Roadshow (N) | | Ore. Experience | Ore. Experience | Antiques Rd. "Des Moines (Hour One)" | | Independent L. "Tre Maison Dasan" (N) | |
| 12 | KPTV | (12) 6 O'Clock News (N) | | Family Feud | Family Feud | The Resident "Snowed In" (N) | | 9-1-1 "Fight or Flight" (N) | | 10 O'Clock News (N) | | News (N) | Page Six TV |
| 13 | KPDx | (13) Mike & Molly | Mike & Molly | Big Bang Theory | Big Bang Theory | 8pm Prime News (N) | | 9pm Prime News (N) | | Big Bang Theory | Family Guy | American Dad! | The Game |
| 13 | KCPQ | (13) Modern Family | Modern Family | Big Bang Theory | Big Bang Theory | The Resident "Snowed In" (N) | | 9-1-1 "Fight or Flight" (N) | | Q13 NEWS AT 10 (N) | | News (N) | The Simpsons |
| 20 | TBS | (20) Family Guy | Family Guy | Family Guy | Family Guy | Family Guy | Family Guy | Family Guy | Family Guy | American Dad! (N) | American Dad! | Conan | Seinfeld |
| 22 | KZJO | (22) Black-ish | Black-ish | 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 | ESPN | (29) (4:00) MLB Baseball | Chi. C./Atl. (L) | MLB Baseball | San Francisco Giants at Los Angeles Dodgers Site: Dodger Stadium -- Los Angeles, Calif. (L) | | | SportsCenter (N) | | SportsCenter (N) | | SportsCenter (N) | |
| 30 | ESPN2 | (30) NCAA Basketball | Division I Tournament (L) | | | SportsCenter (N) | | | | UFC Main Event "Poirier vs. Gaethje" | | MLB Baseball Chi. Cubs vs Atlanta | |
| 31 | NICK | (31) The Loud House | The Loud House | The Loud House | Henry Danger | SpongeBob | SpongeBob | To Be Announced | | | | Friends | Friends |
| 32 | DISN | (32) Coop & Cami | Coop & Cami | Raven's Home | Raven's Home | Sydney to the Max | Coop & Cami | Raven's Home | Raven's Home | Sydney to the Max | Coop & Cami | Andi Mack | Sydney Max |
| 34 | FAM | (34) *** Shrek (2001, Animated) | Voices of Eddie Murphy, Cameron Diaz, Mike Myers. | Shadowhunters "Stay With Me" (N) | | *** Shrek Forever After (10) Voices of Eddie Murphy, Mike Myers. | | | | | | The 700 Club | |
| 35 | FMC | (35) (4:35) Kingsman: The Secret Service | (15) *** Kingsman: The Secret Service (2014, Action) | Colin Firth, Samuel L. Jackson, Taron Egerton. | (15) FXM Presents | Unfinished Business (15) Dave Franco, Vince Vaughn. | (50) FXM Presents | | | | | | |
| 36 | LIFE | (36) To Be Announced | | | | I Am Elizabeth Smart: Special Edition | The true story of Elizabeth Ann Smart. | | | (05) To Be Announced | | | |
| 38 | ROOT | (38) Mariners Access | MarinersPre-game | MLB Baseball | Los Angeles Angels at Seattle Mariners Site: T-Mobile Park -- Seattle, Wash. (L) | | | Post-game | | MLB Baseball | Los Angeles Angels at Seattle Mariners | | |
| 39 | FS1 | (39) PBA Bowling | USBC Masters (L) | | | MLB Whiparound (L) | | TMZ Sports (N) | Fair Game | Skip and Shannon: Undisputed Opinions on the biggest sports topics of the day. | | | |
| 43 | SPIKE | (43) Cops | Cops | Cops | Cops | Cops | Cops | Cops | Cops | Cops (N) | Cops | Cops | Cops |
| 44 | COM | (44) Parks and Rec | The Office | The Office | The Office | The Office | The Office | The Office | The Office | The Office | The Office | The Daily Show (N) | (35) Jim Jefferies |
| 45 | HIST | (45) Jesus: His Life "Part One: The Nativity/ John the Baptist: The Mission" | | | | Jesus: His Life "Part Two: The First Miracles/ Caiaphas: The Raising of Lazarus" (N) | | | | Knightfall "The Devil Inside" (N) | | Knightfall "The Devil Inside" | |
| 47 | A&E | (47) The First 48 | | The First 48 "Heartless" | | The First 48 "The Grudge" | | First 48 "Rise Up/ Somebody's Friend" | | First 48 "The Deadliest Sin/ Bloodlines" | (05) The First 48 "Spree Killer" | | |
| 47 | TLC | (47) To Be Announced | | To Be Announced | | Daughter "Quint-essentially Cute" (N) | | To Be Announced | | To Be Announced | | | |
| 48 | DISC | (48) StreetOutlaws "Down But Not Out" (N) | StreetOutlawsRubber "Chuckmate" (N) | | | StreetOutlawsRubber "Unfriended" (N) | | StreetOutlaws "Us and Them" (N) | | | | | |
| 49 | NGEO | (49) Wild Thailand "Elephant Forest" | Wild Thailand "Hidden Tiger" | | | Wild Hawaii "Nature's Fury" (N) | | Hostile Planet "Mountains" (P) (N) | | Galapagos: Middle Earth (N) | | Hostile Planet "Mountains" | |
| 50 | TNT | (50) (5:00) *** Law Abiding Citizen '09 | Gerard Butler, Colm Meaney, Jamie Foxx. | *** Django Unchained (2012, Western) | Christopher Waltz, Leonardo DiCaprio, Jamie Foxx. | | | | | | | | (45) Mixed M Arts |
| 51 | AMC | (51) (5:45) *** Harry Potter and the Half-Blood Prince '09 | Daniel Radcliffe. | (05) *** Fantastic Beasts and Where to Find Them (2016, Adventure) | Ezra Miller, Colin Farrell, Eddie Redmayne. | | | | | | | Futurama | Futurama |
| 52 | USA | (52) Chicago P.D. "Promise" | | Chicago P.D. "Snitch" | | | | | | | | | |
| 53 | FOOD | (53) Spring Baking "Moms Love Chocolate" | Spring Baking "Destination Wedding" | | | Baking "Spring at the County Fair" (N) | Baking "Spring Dream Teams" (N) | | | Family Food Showdown (N) | | To Be Announced (N) | |
| 54 | HGTV | (54) Love It/List It "Too Close for Comfort" | | Love It or List It | | House Hunters (N) House Hunters | Home Town "Putting Down Roots" (N) | | | House Hunters (N) House Hunters (N) | House Hunters (N) | House Hunters | House Hunters |
| 56 | FX | (56) (5:30) Sing '16 | Voices of Reese Witherspoon, Matthew McConaughey. | | | *** Minions (2015, Animated) | Jon Hamm, Michael Keaton, Sandra Bullock. | | | *** Minions (2015, Animated) | Jon Hamm, Michael Keaton, Sandra Bullock. | | |
| 57 | CNN | (57) Cuomo Prime Time | | CNN Tonight With Don Lemon | | CNN Tonight With Don Lemon | Anderson Cooper 360 | | | Cuomo Prime Time | | CNN Tonight With Don Lemon | |
| 58 | FNC | (58) Hannity | | The Ingraham Angle | | Fox News @ Night | Hard news and analysis of the most compelling stories. | | | Hannity | | Fox News @ Night | |
| 61 | CNBC | (61) Undercover Boss "Cinnabon, Inc." | | Undercover Boss | | Undercover Boss "ADT" | | | | Boss "Diamond Resorts International" | | Paid Program | Paid Program |
| 63 | BRV | (63) Vanderpump Rules "Tom vs. Tom" | | Vanderpump R. "Trouble in Lala-Land" | | Vanderpump Rules (N) | | | | SumHouse "The Grapes of Wrath" (N) | | Watch What | Vanderpump Rules |
| 64 | TCM | (64) (5:00) Torrent '26 | (45) ★ The Temptress '26, Dra) Lionel Barrymore, Antonio Moreno, Greta Garbo. | (45) ★★ The Mysterious Lady '28 | Conrad Nagel, Greta Garbo. | | | | | | | Kiss (1929) | Movie |
| 65 | SYFY | (65) (4:35) *** Harry Potter and the Half-Blood Prince '09 | Daniel Radcliffe. | | | | | | | | | | |
| 162 | RFD | (162) Rancher (N) | Red Steagall (N) | Steve Lantvit | Horse of the West | Craig Cameron | Rural Eve. News | Rural America "Live" "Total Feeds" | | American Rancher | Red Steagall | Product Showcase | |