

# Chasing eclipses across the globe is a way of life for some

August 18 2017, by Seth Borenstein

---



In this photo provided by Clemson University, Donald and Norma Liebenberg stand in the driveway of their home in Salem, S.C., on Thursday, Aug. 17, 2017. Donald has seen and blogged about his 26 eclipses for Clemson University where he does research, and holds the record for most time in totality because the retired federal scientist used to chase them by airplane whenever possible. But in 2017, the celestial event will come to him. (Ken Scar/Clemson University via AP)

While Monday's total solar eclipse in the U.S. will be a once-in-a-

lifetime sky show for millions, there's a small group of people who have experienced it all before and they can't get enough of it.

Glenn Schneider has seen 33. Fred Espenak has watched 28. Donald Liebenberg has logged 26. For newbie Kate Russo, it's 10 and counting.

These veteran eclipse chasers spend lots of money and craft intricate plans all to experience another mid-day darkening of the sky. Many work in science and related fields and they'll travel around the world, even to Antarctica, to see one more.

"I do this not so much as an avocation, but as an addiction," said Schneider, a University of Arizona astronomer.

Russo, a psychologist in Ireland who wrote a book about people's eclipse experiences, said some people find the experience life-changing. That happened to her.

"Eclipse chasing isn't just a hobby or interest," Russo wrote in an email from Wyoming, where she traveled to see Monday's eclipse. "Eclipse chasing is a way of life. It becomes who you are."

Monday's eclipse will cut a 70-mile-wide (112 kilometer) path of totality across the country, when the moon moves between Earth and the sun, blocking it for as much as 2 ½ minutes. It's the first coast-to-coast full eclipse since 1918. Many of the big eclipse chasers are planning to be in Oregon or Wyoming because there's a better chance of clear weather there in August. They'll be ready to drive hundreds of miles if need be to find good weather.

Total solar eclipses happen on average every 18 months or so, but they usually aren't near easy-to-drive highways. Norma Liebenberg has been to a dozen, mostly joining her avid eclipse watcher husband, Donald, in

remote places like Libya, Zambia and Western China.

"It's sort of mind-boggling that there are 1,000 people out in these isolated places to see it," she said. She even forgave her husband when he missed their first anniversary to go to a clouded-out eclipse in the South Pacific.

There's a compulsiveness to eclipse chasers, especially photographers, said Dr. Gordon Telepun, an Alabama plastic surgeon who has seen only three.



In this photo provided by Clemson University, Donald and Norma Liebenberg stand in the driveway of their home in Salem, S.C., on Thursday, Aug. 17, 2017. Donald has seen and blogged about his 26 eclipses for Clemson University where he does research, and holds the record for most time in totality because the retired federal scientist used to chase them by airplane whenever possible. But in 2017, the celestial event will come to him. (Ken Scar/Clemson University via

AP)

"It's very anxiety producing, it's very challenging," said Telepun, who even developed a talking phone app that times an eclipse so photographers don't miss anything. "It's an adrenaline rush man, I'm telling you."

Telepun said his hero is "Mr. Eclipse" Espenak, a retired NASA astrophysicist, who explains why chasers are the way they are.

"It's the closest any of us will come to being an astronaut and being in space," Espenak said.

Eclipse chasers say their first always hooks them.

Schneider, who got a telescope at age 5, planned out his first eclipse precisely. He was 14 in 1970 and he traveled from New York City to East Carolina University's stadium. He had choreographed how he was going to spend the 2 minutes 53 seconds of darkness. Then came the moment.

"I was frozen in place," he recalled. "I had binoculars around my neck for two and a half minutes and I never picked them up."

When it was over "I was shaking. I was crying. I was overwhelmed," he said. "It was at that instant when I said 'Yeah, this is what I'm going to do with the rest of my life'."

Now Schneider takes his grown daughter with him to eclipses. And he invented what he calls the "lug-o-scope," a telescope that folds into its own luggage to make his eclipse chasing easier.



"Flexibility is probably No. 1," Schneider said. "Keeping your options and open and be ready to take that option if that's what's needed."

A veteran of 28 eclipses, Espenak often leads groups of 50 some people to view eclipses, lecturing both about the beauty and the science. Except when the hour grows close and the skies get dark, he goes silent.



This 2006 photo provided by Glenn Schneider shows him with his "lug-o-scope" in Turkey. Schneider, was 14 in 1970 when he saw his first eclipse. "I was frozen in place," he recalled. "I had binoculars around my neck for two and a half minutes and I never picked them up." Now a University of Arizona astronomy

professor, Schneider said when it was over "I was shaking. I was crying. I was overwhelmed. It was at that instant when I said 'Yeah, this is what I'm going to do with the rest of my life'." (Courtesy Glenn Schneider via AP)

"On eclipse day he's all business. He does not want to be diverted from his checklist of everything he wants to do," explains University of Tennessee's Mark Littmann, co-author with Espenak of the book "Totality." "It's like you're kind of trying to chat with a pilot coming in for an emergency landing. It isn't that he's just not friendly, it's just not the right time anymore."

Donald Liebenberg has seen and blogged about his 26 eclipses for Clemson University, where he does research. He holds the record for most time in totality because the retired federal scientist used to view them by airplane whenever possible. In 1973, he convinced the French to let him use the supersonic Concorde for eclipse viewing and he flew at twice the speed of sound. He got 74 minutes of eclipse time in that one flight.

After spending more than 60 years flying around the world, this time the Liebenbergs are only going as far as their driveway.

This eclipse is coming directly to them in South Carolina.

© 2017 The Associated Press. All rights reserved.

Citation: Chasing eclipses across the globe is a way of life for some (2017, August 18) retrieved 24 April 2024 from <https://phys.org/news/2017-08-eclipses-globe-life.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.