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French astronomer Stephan discovers Monkey Head nebula

The Monkey Head nebula is an emission nebula located 6,400 light years away in the constellation Orion. It was discovered in 1877 by the French astronomer Edouard Stephan.

The Monkey Head Nebula is a large cloud of ionized hydrogen gas in which new stars are forming. It is associated with the open cluster NGC 2175. The stellar nursery contains many young stars that are embedded within the surrounding dust and gas. These stars emit intense ultraviolet radiation which ionizes the hydrogen gas, making the nebula glow. NGC 2174 also contains the open star cluster NGC 2175, whose members were formed from the very gas and dust that still surrounds them.

Monkey Head nebula taken by two different imaging techniques.

On the left we can see the “true color” image, the way our eyes would see it if we were there. This image is taken with a color camera and the colors are enhanced during processing. On the right we can see the same image on what is called the Hubble Palette, which is the way photos from the Hubble Telescope are published by NASA. The Hubble Palette images are taken with mono (black and white) cameras using three different filters to capture light from three different gasses which our eyes cannot see: hydrogen, oxygen and sulfur. During the processing techniques the hydrogen image is assigned to the green channel,



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the oxygen image to the blue channel and the sulfur image to the red channel.

This is called a “false color” image because these colors are not what the human eye would see; instead, they are chosen to bring out physical differences in

the gas composition and ionization structure.

On the “true color” image, on the left, we mostly see glowing pinks and purples from glowing hydrogen gas and bluish colors from glowing oxygen gas.

On the “false color” image, on the right, we see bright blues, greens, and reds revealing where the oxygen, hydrogen, and sulfur gases are concentrated.

The benefit of the Hubble Palette is to reveal scientific information that we cannot see in natural light.

– Dr. Carlos Rotellar is a Bowling Green nephrologist who has had an interest in astrophotography and has been taking images of the universe from his driveway for several years. Website: Skyastrophotos.com.

Swift, Kelce's love story, from bracelets to rings

By JOCELYN NOVECK and MARIA SHERMAN
AP Entertainment Writers

NEW YORK — It started with a friendship bracelet. It ended with an engagement ring. Taylor Swift, the pop superstar, and Travis Kelce, the football champion, are engaged.

The fiances, both 35, announced the news in a joint post on Instagram on Tuesday. It is the latest chapter in the couple's love story, one that has spanned two years, two Super Bowls, an album announcement and the highest-grossing tour of all time.

Here is a look at some of the major events in their relationship.

A FRIENDSHIP BRACELET, UNDELIVERED

It started, fittingly, with a friendship bracelet.

It was way back in July 2023 that Kelce attended Swift's Eras concert at Arrowhead Stadium, where the Chiefs play.

After, on his “New Heights” podcast with brother Jason Kelce, he professed to being disappointed — well, his word was “butthurt” — that he couldn't meet Swift and present her with a bracelet with his phone number on it.

“She doesn't meet anybody, or at least she didn't want to meet me, so I took it personal,”



ASHLEY LANDIS / AP

Donna Kelce stands with her son Kansas City Chiefs tight end Travis Kelce and Taylor Swift after the AFC Championship NFL football game against the Buffalo Bills on Jan. 26 in Kansas City, Missouri.

he quipped. The podcast asked on Instagram: “Anyone know how to get a bracelet to @taylorswift13? ... asking for a friend.”

DRIVIN' THE GETAWAY CAR

But by that September, Kelce was hinting his efforts had achieved some success. He declined to elaborate amid speculation, telling an interviewer: “It is what it is.”

Clearly, though, something was happening. Soon, Kelce revealed he'd invited Swift to a game at Arrowhead. “I threw the ball in her court,” he said on another talk show.

Swift took Kelce up on his offer, appearing for all the world

to see at the Chiefs-Bears game, cheering next to his mom, Donna Kelce. The two left the stadium in Kelce's purple Chevelle “getaway car” — forgive the pun, but Kelce himself used it.

“Pretty ballsy,” Kelce said a few days later of Swift's appearance, adding how much he loved seeing her cheer next to his mother.

It was the launch of a long series of appearances by Swift at Chiefs games. There was some online angst over whether Swift was distracting from football — while the NFL itself capitalized on her fandom. A

day after the flashy Los Angeles premiere of her “Taylor Swift: Eras Tour” movie, she was back at Arrowhead.

KARMA IS THE GUY ON THE CHIEFS

And now it was time for Kelce to be the adoring fan. In November 2023, after a hiatus of two months, Swift brought her tour to Argentina, where she changed the lyrics of “Karma” to salute her beau. “Karma is the guy on the Chiefs, coming straight home to me,” she sang. Scott Swift, next to a beaming Kelce, applauded his daughter's new flame.

When Time magazine announced its person of the year, few were surprised. In the Time interview, Swift spoke about her relationship.

“This all started when Travis very adorably put me on blast on his podcast, which I thought was metal as h***,” Swift said, adding that they'd already been a couple before that first Chiefs game cameo.

Soon after, things were heating up on the football field — meaning the Chiefs were heading to the Super Bowl. At the AFC championship game, the couple made it clear they were fine with whatever attention was coming their way. In the middle of the field in Baltimore, after the Chiefs beat the Ravens, Swift and Kelce

See SWIFT, 3C

Meet my new friend 'Mo'

A moth landed on me. It was a big moth—about the size of a baseball. It was purplish, with a beautiful set of wings, two bulbous eyes, and delicate antennae.

I was sort of mesmerized. Nothing beautiful has ever landed on me before, unless you



SEAN DIETRICH

count the way local pigeons have sometimes used me for target practice.

The moth would not fly away, so I presented my hand to the moth. It crawled onto my finger.

Then, it just looked at me. I spent several minutes admiring the insect from all angles. I lifted it up to the light and inspected its thorax. I observed its dainty forewings and its magenta hindwings, my nose only centimeters from its body.

It just kept staring at me. “You can fly away if you want,” I said, since all moths speak English.

Then, I gently flicked my wrist to help launch the moth into the air. But the moth did not let go. It just stayed perched on my finger. I flicked my finger a few more times, but the moth was making it clear, it was not interested in flying away.

So I named him Mo. I went back inside with a moth attached to my finger.

I made supper, one-handed, with Mo firmly affixed to my left index finger. Mo was just hanging out as I made mac and cheese on the stove.

With my free hand, I texted Roxie. Roxie is an 11-year-old moth expert, and we are also cousins. She is deeply into moths. She raises them from baby larvae.

I took a picture of Mo and asked Rox what kind of moth he was. She said that Mo was a huckleberry sphinx moth, which is a variety of hawk-moth. They only live for a few weeks.

“You're a huckleberry sphinx moth,” I informed Mo. He didn't seem impressed.

Mo and I ate supper together. I ate with my right hand while watching television. Mo stayed planted on my left hand, watching old movies with me. Mo appeared to really like Jimmy Stewart. Who doesn't?

When it was time for bed, I crawled into bed and read a book one-handed, with my Mo-hand resting on a pillow because my arm was getting tired.

Just before bedtime, I knew it was time to let Mo return to his world. As much as I love him, I reminded Mo that he was a moth. And I think, deep

See DIETRICH, 3C