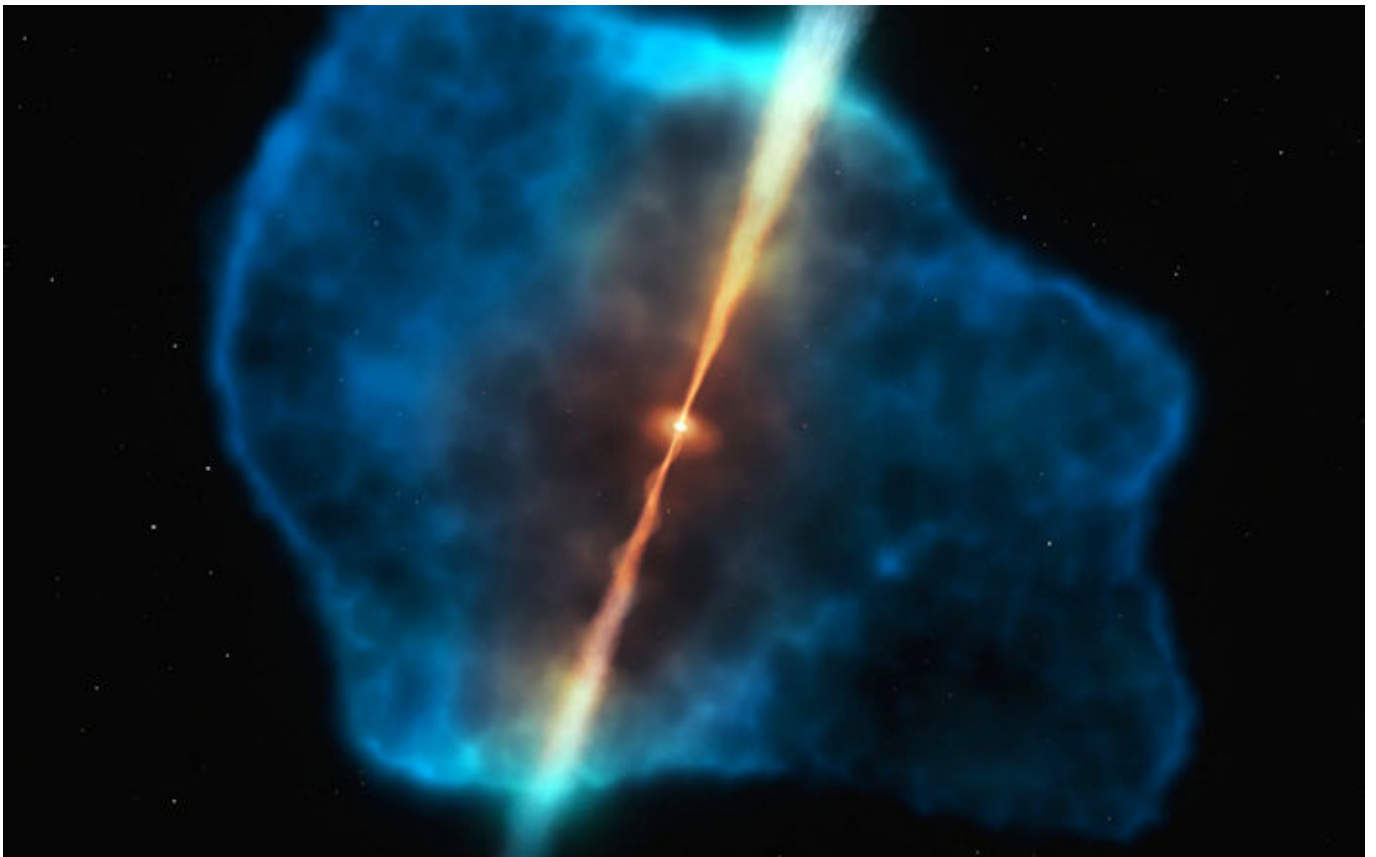


“Early Galaxies Were Surrounded by Huge Clouds of Hydrogen, and Astronomers Found a Whole Bunch!”



The first stars and galaxies formed out of immense clouds of neutral hydrogen, but it was theorized these clouds were surrounded by even larger “Lyman-alpha nebulae.” But only a few thousand of these clouds have ever been detected. Now, astronomers have discovered tens of thousands of halos that existed 10 to 12 billion years ago, at the time of Cosmic Dawn, when star formation began in the cosmos.

[Click here to read the article](#)

“Two Monsters, One Galaxy, and a Collision 100 Years Away!”

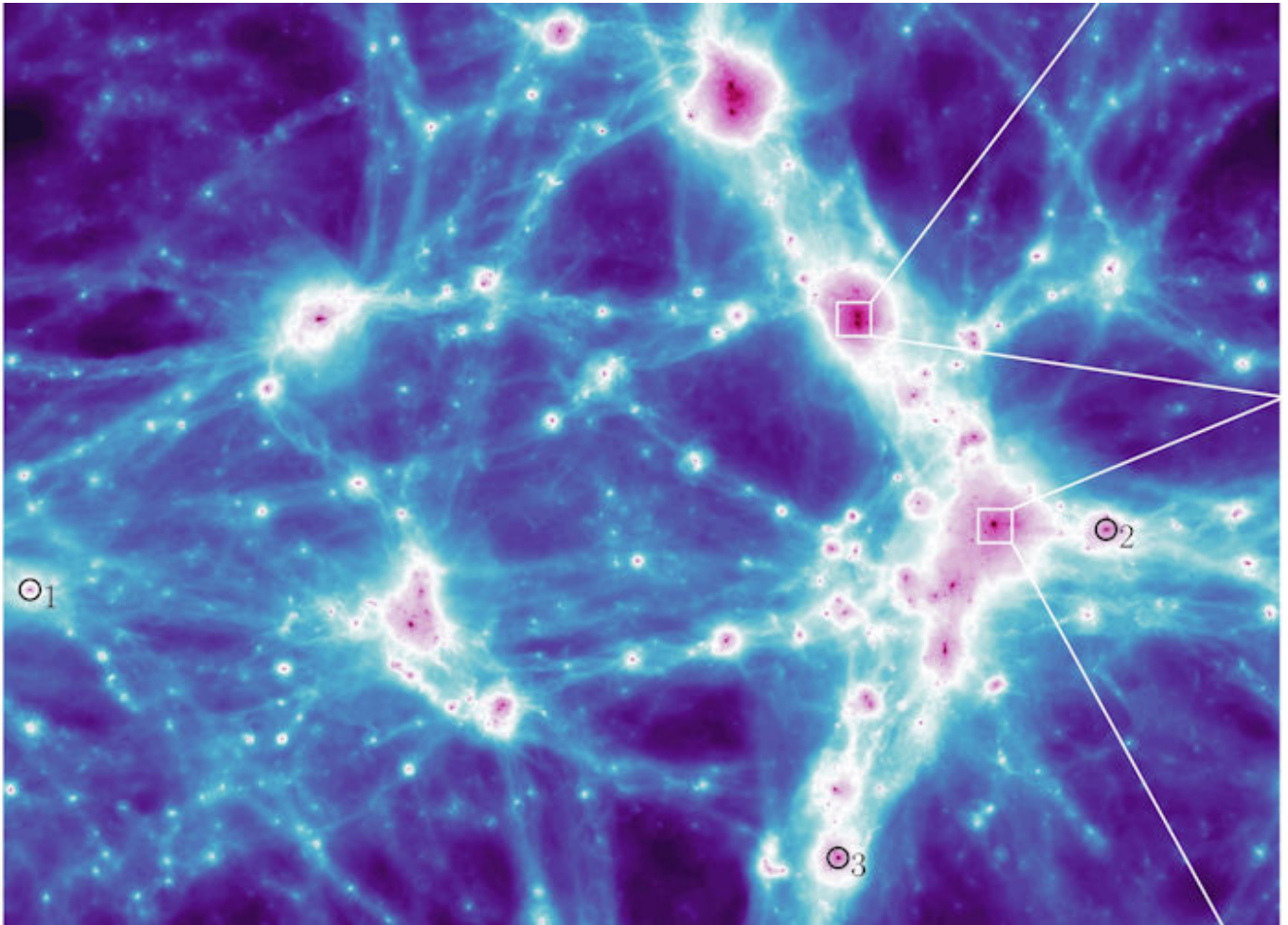


Most galaxies contain supermassive black holes, built up through countless mergers of less massive black holes. This means we should see galactic black holes in all forms of evolution, and occasionally see them coming together. Now, researchers think they've found a close pair of supermassive

black holes in the galaxy Markarian 501, located about 450 million light-years away. They're locked in their final spiral, orbiting one another every 121 days, separated by 250-540 times the Earth-Sun distance.

[Click here to read the article](#)

“Cosmic simulations reveal how galaxies formed and evolved over billions of years”



Cold gas does not look dramatic at first glance. Neither does dust. Yet those two quiet ingredients sit at the center of a new effort to build a far more realistic picture of how galaxies formed. They help explain how galaxies changed and spread across the universe over billions of years.

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The Traits of a Good Ruler



Abraham Lincoln - W © 2006

“The good ruler should not speak falsehood; he should be as great as his responsibilities. Each word should be weighed before spoken, for it is accepted as gold and not as thistledown. He should take heed of his own judgments, for the judgments of eternity draw near. He should be, above all, an example to all men. The gardener of wickedness waters his land with deceit, and it brings forth falsehood. The good ruler should be above every deed of meanness; he should be the father of the orphan and the husband of the widow. A true leader of the people should be free from every kind of avarice, a man above every kind of pettiness. He should be a man of wide vision. He should be like the rising waters that feed the fertile fields. He should be swift and sure to execute judgment on him, to whom punishment is due. O where does he sleep today, in what generation will he come forth?”

-The Kolbrin Bible (MAN:34:70)

Speaking Lies

A good leader does not speak lies. That doesn't just mean that he refrains from telling stories that are complete fabrications; it also means he doesn't tell partial truths, which is another way to lie. There are exceptions to this rule, as there are to almost all rules. You don't tell a person they are ugly or stupid, even if it is true. Sometimes, good manners override the need to tell the truth. It is also necessary, especially today, for governments to keep some things secret, as revealing them to the general public can be dangerous. The quote says should weigh every word before it is spoken, “for it is accepted as gold”. In other words, it is assumed that the leader doesn't lie. Once that assumption is proved false, the leader may never be trusted again.

Take Heed of His Judgments

While in a sense, it is only God who can judge us, a leader must judge people who behave poorly, or appoint judges to do

it for him. As the quote indicates, the leader will die one day and be subject to the judgment of God's Law, so he must judge others fairly.

Be an Example

A good ruler doesn't act one way while expecting others to act differently. The good ruler acts as he expects others to act. If a ruler is frequently looking for ways to mistreat certain groups of people because of their religion, race, color, etc., He should not be surprised if people look on him the same way. If a ruler looks for ways to steal the natural resources of other nations, he should not be surprised when other nations try to steal the resources of his nation. If a ruler tries to find reasons to start wars, he should expect others to do the same to his land.

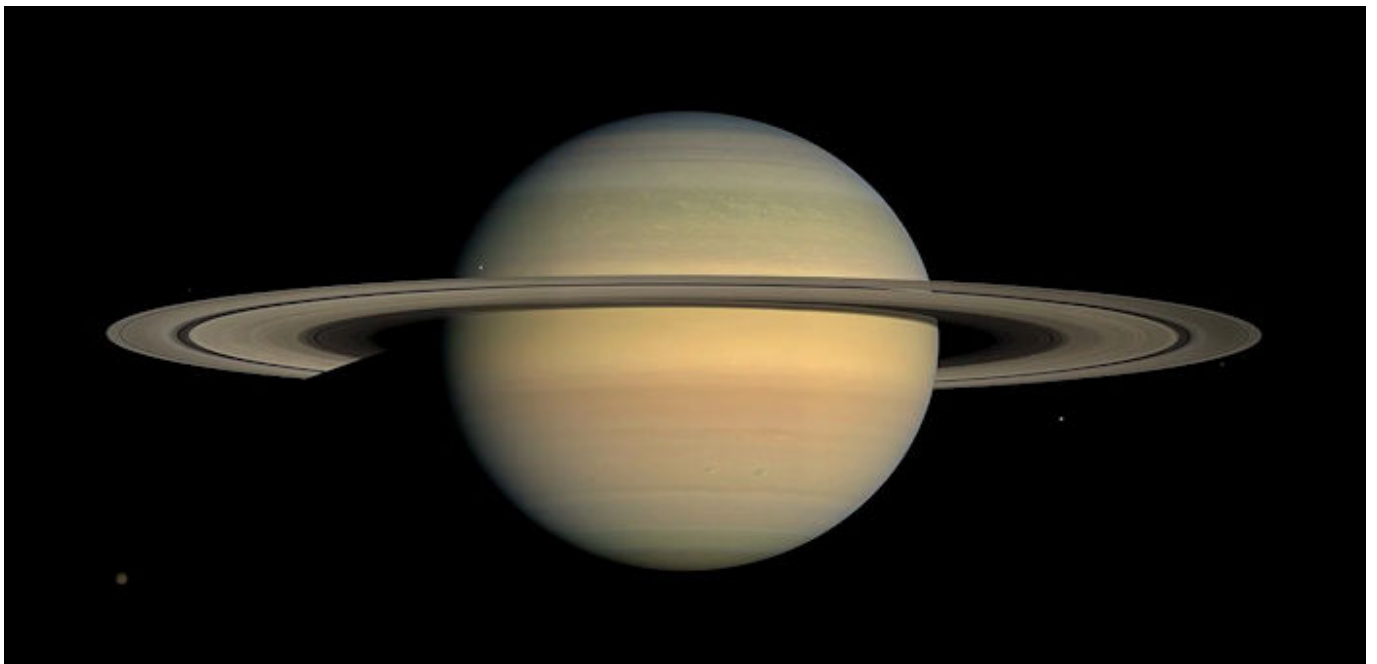
Free from Avarice and Pettiness

There was a time when kings and other leaders did not deal in avarice. In the past century, we have seen several leaders overthrown or assassinated because of their avarice. Yet that has not stopped modern leaders in several countries from being full of avarice. The good leader also avoids all forms of pettiness and does not react with anger when someone disagrees with him or makes a joke about him.

Wide Vision

A good leader should be a man of wide vision. That means more than just a wide vision of what is happening in the world on the physical level, but also he must have vision of the spiritual. This means that the good leader must be spiritually developed, or at least must have trusted advisors who are spiritual leaders.

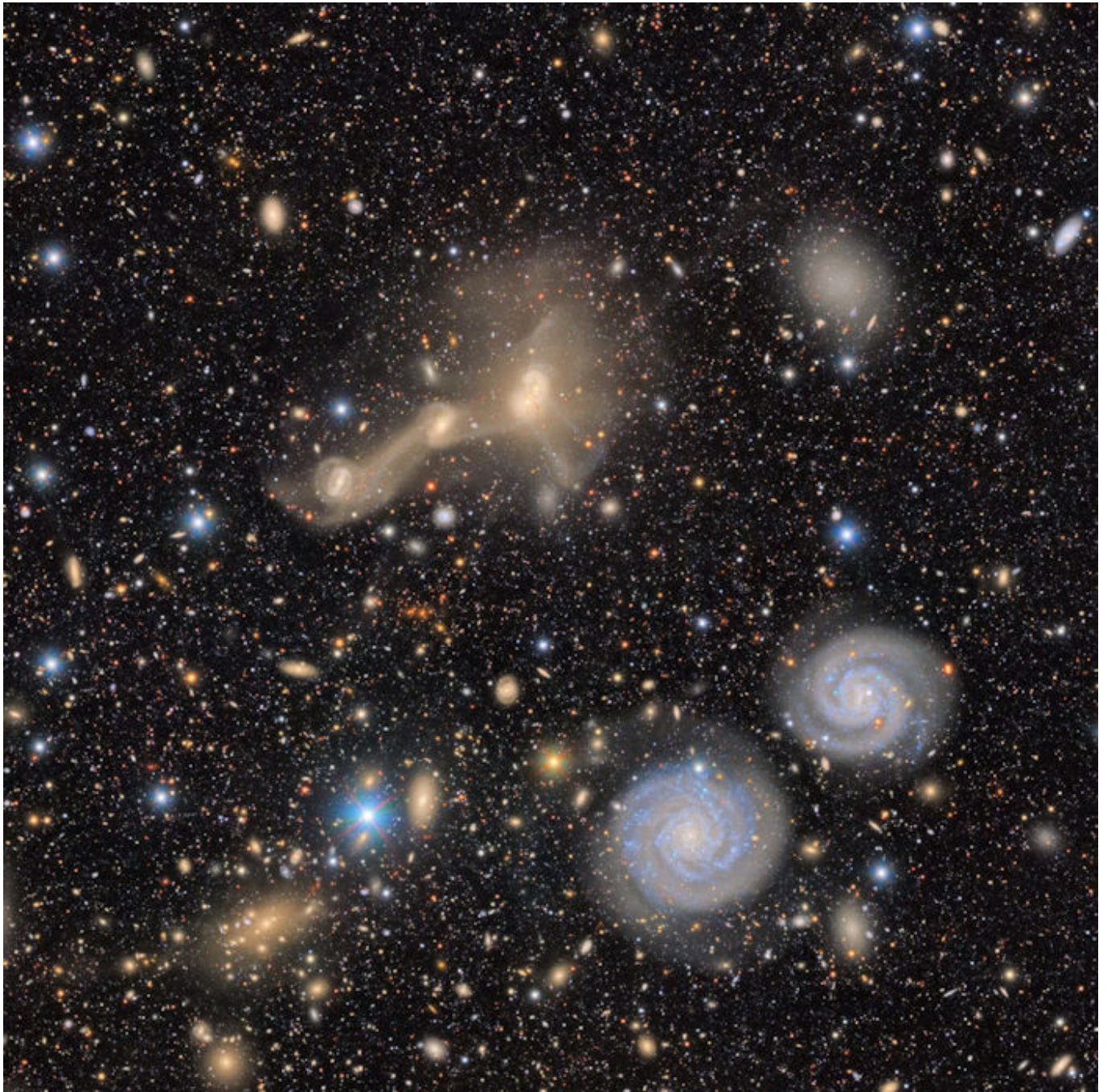
“Saturn’s Magnetic Shield Is Not Where Anyone Expected It To Be.”



Despite hundreds of years of observations, the beautiful ringed planet Saturn continues to surprise us. Recently, astronomers tracked down the planet’s magnetic field and found that a key feature sits in a completely different place than expected. On Earth, there’s a funnel-shaped opening called a magnetospheric cusp which is on the sunward-facing side, but according to Cassini data, Saturn’s cusp is pointed away from the Sun, probably caused by Saturn’s rapid rotation.

[Click here to read the article](#)

“JWST Sees Smoking Gun for Black Hole Mergers in the Virgo Cluster”

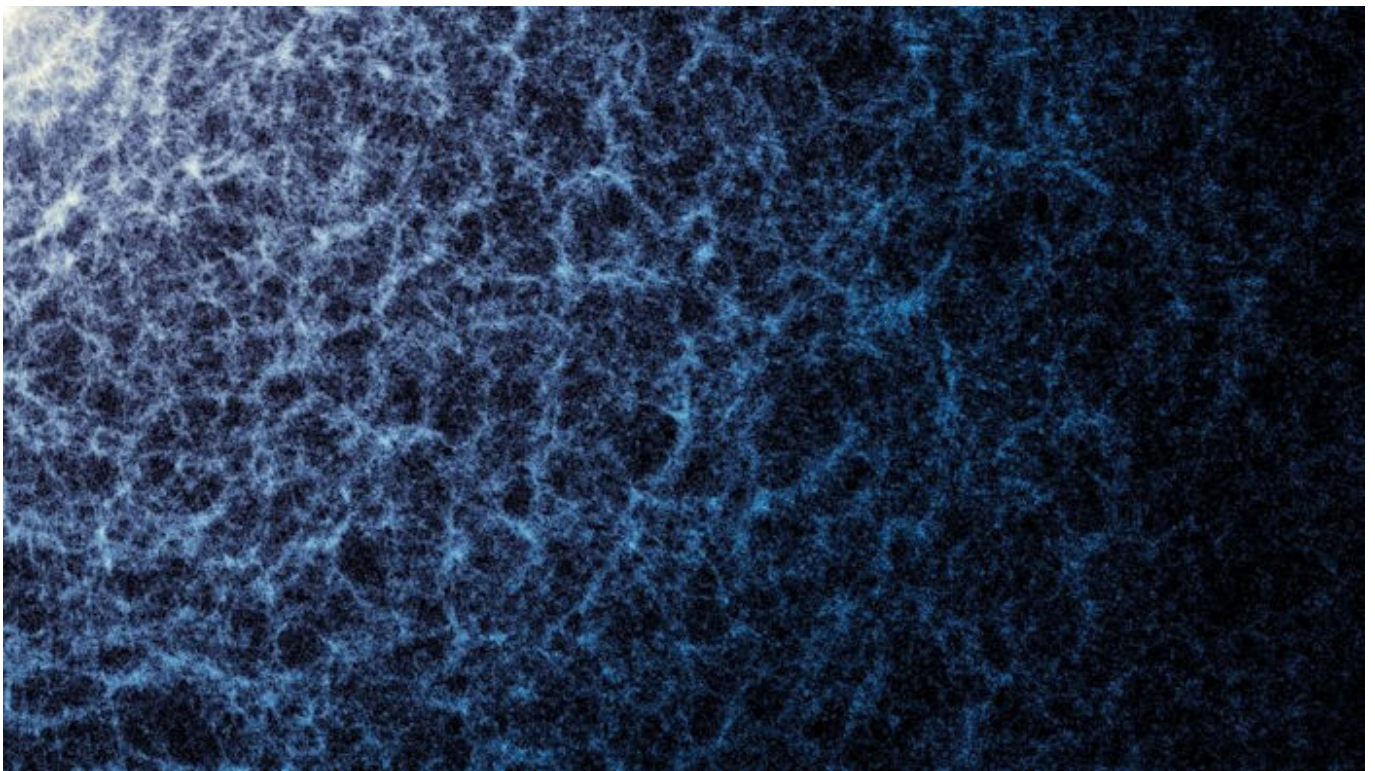


Astronomers have used JWST to observe two galaxies, both of

which have “overmassive” black holes near their centers. Normally, the central black hole accounts for less than 1% of the mass of its host galaxy, but these account for much more. Another puzzle: the black hole in one of the galaxies is off-center, as if it wobbled out of place and is slowly moving back to the center of the galaxy. It’s probably the result of a recent merger.

[Click here to read the article](#)

“DESI’s 3D map of the universe is complete!”



- The Dark Energy Spectroscopic Instrument has created one

of the most extensive surveys of the cosmos ever conducted. The five-year survey is now complete.

- **DESI has mapped more than 47 million galaxies and quasars.** This is the largest high-resolution 3D map of our universe to date.
- **DESI will continue observations into 2028** and further expand the map. The observations will help astronomers understand how dark energy works in the universe.

[Click here to read the article](#)

The Corrupt Pharaoh is Denounced



“Hepoa went before Pharaoh, and there, in the midst of his court, he denounced him. These were the words issuing from the mouth of Hepoa, as set down by the attending scribe: “O great and mighty Pharaoh, where once the stormwind raged, there is now a gentle breeze. Where once the diligent shepherd stood, now a musician sits and idly plays. The land is no more as it was, and no man remains content within his dwelling. The northwind has ceased to enter the land, and the south wind eats it up. A heavy hand lies on the hearts of men, and their limbs are sluggish; they are languid and move no longer, as once they did. Wherefore has all this come about, the people ask, and I answer them truly, it is because the protective power has departed from the blood of the Pharaoh; it is because of the iniquity in the palace. This is a time of woe. These things I have spoken before the eyes and

ears of Pharaoh, beyond the palace gates. Yet, it is not in me to leave them unsaid before the face of the king himself. Where is the great one, who sets goodness in the place of wickedness? Where is he, who replaces injustice with justice, who hears the cry of the lowly? Who causes right to prevail in the land? Where is He? I look, and I look in vain. I see only one, who has defiled the protective treasures, the glory of Egypt, with iniquity. I see only one, who has polluted the pure stream with the sewage of evil, who has

succumbed to the ultimate in wickedness. This I see, as all men see it, but I am one, who sees more. I see an Egypt gone down into dust. I see plague and death stalking the streets. I see the fertile, black waters turned back on themselves. I see the black land buried beneath the sand. I see grim-faced men coming from out of the East to stamp the land flat in blood. I see the dread things of the past recurring. I see desolation spread out on every side. Woe to you, great Pharaoh; woe to the land of Egypt! Goodness lies dying beneath the triumphant foot of evil. Virtue is betrayed into the foul hands of

loathsome lust, her despairing cry unanswered by any coming to her aid. Wickedness walks unhampered through the cities, and wrongdoing is seen on every side. Woeful are these days, and doomed are those who endure them. What does the great light shining forth from the palace conceal, sacred mysteries or secret sins?" Then, the arm of Pharaoh stretched forth to stop the mouth of Hepoa, and it was stopped. He was led forth, and whips were laid on his back, and he was placed within a dungeon."

-the Kolbrin Bible(34:63)

Hepoa Denounced the Pharaoh

We are not told who Hepoa is, but from his actions, we can assume that he is a high priest or leader of a spiritual

temple. What he says to the Pharaoh sounds mild by today's standards, but it is obvious that the Pharaoh didn't see it that way. When Hepoa says, "where once the stormwind raged, there is now a gentle breeze," he is saying that the once strong pharaoh has become weak, at least in his handling of the wickedness spreading throughout Egypt. As a shepherd, the Pharaoh was the caretaker of the people, but when Hepoa says "now a musician sits and idly plays," he is saying that the Pharaoh is not doing his job as caretaker of the people.

The Land has Changed

It is not stated how the land has changed, but this whole section of the Kolbrin Bible is about the spiritual leaders and mystery schools leaving Egypt for another land. The land itself is not changing, but the people are. It is curious that the author of the quote seems to equate a north wind with good things and a south wind with evil. Again today we now say that things have gone south when they are headed in the wrong direction.

Inequity in the Palace

A good pharaoh treats all people with equality. This pharaoh is no longer doing that. We can assume he is favoring the rich and powerful, something we see a lot of today. Hepoa asks, "Where is he, who replaces injustice with justice?" He is accusing the pharaoh of not ruling with justice and fairness. He says this to the pharaoh himself.

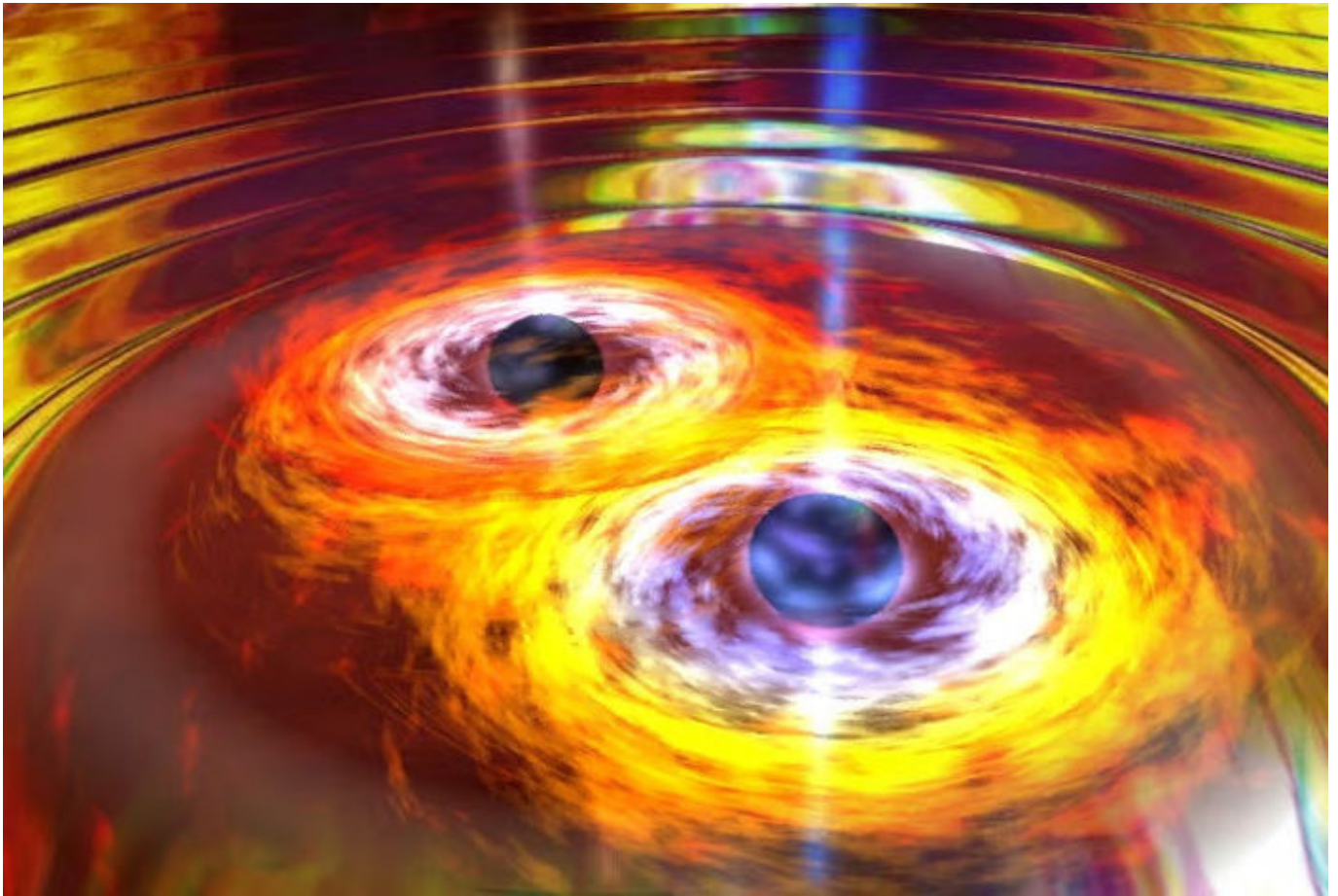
The Sewage of Evil

Here, Hepoa is saying that because the pharaoh has opened the door for evil to enter the land, as a result, there is death and disease everywhere. The waters are polluted, and the fertile black soil has been buried in sand. In short, evil spreads everywhere like a plague.

Whipped and Jailed

As might be expected, the pharaoh was not happy with this criticism, and he had Hepoa whipped and thrown into a dungeon. Hepoa probably expected that to happen, yet he felt he had no choice but to speak up against the evil. We could use more people like Hepoa today.

“Astronomers discover three distinct groups of merging black holes”



After studying more than 150 mergers detected through gravitational waves, astronomers say the growing catalog points instead to three distinct groups of merging black holes. Each group seems to carry its own signature in mass, spin, and how often the mergers happened across cosmic time. Taken together, the pattern suggests that these violent collisions are being built in more than one kind of environment.

[Click here to read the article](#)

“Webb’s Picture of the Month Features Two Planet-Forming

Disks and a Possible Planet”



Gaze in wonder at these two amazing images of protoplanetary disks captured by JWST. They're designated Tau 042021 and Oph 163131, located 450 and 480 light-years away respectively. The disks are seen roughly edge-on with Webb's infrared instruments, allowing us to see through the gas and dust that typically surround these young objects. The different colors in the image correspond to different molecules in the disks as well as the sizes of various dust grains.

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