### LOCAL NEWS...

BSO makes 2nd arrest in Pompano Beach Homicide
Two Pompano Beach men are facing murder and attempted murder charges for their roles in a fatal shooting that occurred in February 2021.

At approximately 12:35 a.m. on Sunday, Feb. 28, 2021, Broward County Regional Communications received a call regarding a shooting in the 2400 block of Northeast Sixth Avenue in Pompano Beach. BSO deputies responded and found a man, Sergio Barbosa, and a woman suffering from gunshot wounds. Pompano Beach Fire Rescue transported both victims to a nearby hospital, where Barbow wounds survived her cipied. The sound is survived her capied. The scene units responded to the scene.

The investigation revealed that

BSO's Homicide and Crime Scene units responded to the scene.

The investigation revealed that two gunmen, Alfredo Blue and Chad Sanford, approached the victims, who were outside near a vehicle. Sanford began struggling with Barbosa, and Blue began struggling with the woman. According to detectives, the woman and Blue were known to one another. The woman managed to get into a car and begin driving before she was shot by Blue. She then crashed the vehicle.

During the other struggle, Sanford threw Barbosa to the ground, and Sanford and Blue then shot him multiple times.

On March 8, 2021, members of BSO's VLIPER. Unit arrested Blue for murder and attempted murder. Following a lengthy investigation, this past Thursday, April 11, BSO detectives arrested Sanford on the same charges.

Both men are in custody at the

same charges.

Both men are in custody at the Broward County Main Jail.

#### Telephone scam resurfaces Scammers are always looking for ways to separate victims from

for ways to separate victims from their money.

In recent days, a recurring scan using the good name of the Broward Sheriff's Office has resurfaced, and detectives are warning the scan works like this, and unwitting victim receives a call from someone claiming to be a BSO employee in the agency's Civil Division. The scammer tells the victim they missed a court date and a warrant was issued for their arrest.

the victim they missed a court date and a warrant was issued for their arrest.

In order to put the arrest warrant on hold or get rid of it altogether, the victim must pay up either with eash or through a payment app. BSO wants the public to know this is a scam, and neither BSO nor any law enforcement agency will ever call you and ask for money.

Sadly, this scam is not new. In fact, BSO educated the public on this issue in August 2023. There is also a version of this scam where scammers claimed to be BSO employees at the Broward County courthouse.

In these cases, the scammers often use the names of real BSO employees. But the public should not be fooled – if you get a call like and the complex of the property of the call and an arrest of the county of the coun

#### Animal cruelty case

Animal cruelty case investigated

The Broward Sheriff's Office Special Victims Unit is asking for the public's help to locate a subject be beloved in a continuous co

subject tossing an item at scart top of a car, encouraging the cat to jump down.

The cat did jump down, and at that point, two dogs began chasing the cat. Hours later, the cat was CONTINUED ON PAGE 2

#### Florida joins several states law suits over Title IX

Florida Attorney General Ashley Moody announced Monday that the state of Florida is suing the Biden Administra-tion by challenging the administration's new Title IX

tion by challenging the administration's new Title IX rule.

The state joins other states, including Texas, Louisiana, Wyoming, South Carolian and Oklahoma in their efforts to protect Women's sports from an advention of the states, including the sport of the states of

ject the Title IX rules finalized this month by the Department of Education.

"I am instructing the Texas Education Agency to ignore your illegal dictate," Abbott continued.

"Your rewrite of Title IX not only exceeds your constitutional authority, it also tramples laws that I signed to protect the integrity of women's sports by prohibiting men from competing against female athletes. Texas will fight to protect those laws and to deny your abuse of authority."

Gov. Ron DeSantis has stated Florida will not comply with the new requirements in Title IX. A growing number of Republican-led states have pledged to reject the Title IX rules finalized this month by the Education Department.

Laws passed in more than a dozen Republican-led states prevent transgender students from using school restroms and locker rooms that match their gender identity or than teachers and students to disc

school restrooms and locker rooms that match their gender identity or ban teachers and students to disregard a transgender person's name and pronouns. Adhering to such laws may violate the new Title IX regulations, a senior administration official said, if doing so creates a hostile environment.

Florida argues that the new definition weakens protections for

nition weakens protections for women. The Biden Administration argues that the revision provides an education free from sex discrimi-nation

argues that the revision provides an education free from sex discrimination.

The new federal rules mean LGBTQ students can use bathrooms and lockers that align with their gender identity, and go to prom with the date of their choice.

Title IX rules initially were put in place to ensure women would be allowed to play on sports teams at American universities and colleges. The rules took effect in the 1970s and applied to any school that received federal funding.

Stetson Law professor Peter Lake said what comes next is uncertain.

certain.

Will the Biden administration actually stand on what's known as



a nuclear option and deny federal funding to schools or systems that fail to comply with federal mandates? That would be a highly unusual maneuper, to say the least. But it does look like we're going to a potential standoff between the federal and state governments." But if they don't follow state mandates, administrators' and teachers' jobs could be on the line.

#### "We will not comply, and we will fight back."

attes.

"We are not gonna let Joe Biden try to inject men into women's activities,"

DeSantis con-DeSantis con-tinued. "We are not gonna let Joe Biden undermine the rights of par-ents, and we are not gonna let Joe Biden

abuse his con-stitutional authority to try to im-pose these policies on us here in Florida."

The Federal mandates for transgender protection take effect

pose these policies on us nere in Florida."

The Federal mandates for transgender protection take effect in August, permitting males identifying as female to participate in women's sports.

Governor DeSantis's stand against LGBTQ advocacy has ired to account of the community fostering boycotts for Florida. His past actions, including the so-called Towns, and the community fostering boycotts for Florida. His past actions, and the community of the community of the community of the community attention to the sunshine state.

Florida sport of GBTQ and the community statention to the sunshine state.

Florida Attorney General Ashley Moody is also railing against the new rules, claiming they shred protections for women and calling the move a betrayal by the White House. She promised to challenge the new regulations in court.

Florida is not alone in their stand against LGBTQ, Louisiana, Oklahoma have already taken action to thwart gay activism in their schools. Jon Harris Maurer, Equality Florida's public policy director, has taken an alternative stand, saying in an emailed statement last week that DeSantis "cannot ignore federal protections designed to safeguard students and families, including LGBTQ students, survivors of sexual assault and harassment, and pregnant students."

"As a condition of receiving."

vors of sexual assault and harass-ment, and pregnant students."

"As a condition of receiving federal funds, all federally funded schools are obligated to comply with these final regulations and we look forward to working with school communities all across the country to ensure the Title IX guarantee of nondiscrimination in school is ev-cry student's experience'h e said. In a memo dated Thursday,

Governor DeSantis said last reached that Florida "will not comply" with the Biden administration's new Title IX man. changes to to the Title IX man.

Title IX.

"Instead of implementing Congress's clear directive to prevent discrimination crimination
based on biological sex,
the Biden Administration
maims the
statute beyond recognition in an attempt to gaslight the coun-

youn trought the time in an attempt to the time in a significant time in a significan

ranted traffic at an inopportune time.

"Someone may need to pick up a child somewhere, and you're just going to commandeer the road because you have this [ideology]?"

The governor recanted when a similar group tried to do that in Miami, and "in 10 minutes they got dragged off the road where they belong."

"We're not going to tolerate that," DeSantis said, which was followed by a room full of applause.

"And you know what? The minute people start to face consequences, you are not going to see this nonsense going on."

#### CALL (954) 493-TIPS (8477) ww.browardcrimestoppers.or Broward man arrested for fatal crash

Broward Sheriff's Office Traf-fic Homicide Unit detectives de-tectives arrested Kenroy Jackson The preliminary investigation

REWARD \$5,000\*

ANIMAL CRUELT

CRIME TO BEEN

Jr., the driver in-

on Sunday, April 28 in Pompano Beach. Shortly after 12:30 a.m., BSO Traffic Homi-cide Unit detec-tives responded to the 1500 block of North Andrews Av-

Andrews Avenue in reference to a fatal crash involving the driver of a vehicle and a bicyclist.

According to investigators, prior to the crash, BSO deputies received a report of a street take-over and were dispatched to the intersection of McNab Road and Andrews Avenue. Upon responding to the incident, a marked BSO K9 vehicle was struck by Kenroy Jackson Jr., who was driving a 2017 Mercedes C300 coupe.

Jackson Jr., then fled the scene northbound on Andrews Avenue.

Detectives say Jackson lost control of the vehicle while attempting to negotiate a curve in the roadway.

In the vehicle rotated clockwise and the betycle lane and sidewalk.

As Jackson lost control of his

wards the bicycle lane and walk.

As Jackson lost control of his vehicle, Eric Gray was riding his bicycle traveling southbound in the bicycle lane of northbound

revealed that the rear driver's side of the ve-hicle struck the front of the bi-

cycle. rycle.

The bicycle and Gray were projected north bound while the vehicle continued sliding north before rolling

25

CENTS

west backwards
west backwards
over the median.
The vehicle
came to a final
stop on the median facing east, while the bicycle
and Gray came to rest in the northbound lanes of Andrews Avenue.
Investigators say prior to the
crash, deputies lost sight of the
vehicle and came upon the crash
scene after the fact.
Jackson attempted to flee the
crash scene on foot but was taken
into custody by responding deputing

into custody by responding deputies.

Pompano Beach Fire Rescue responded to the crash. Paramedics pronounced Gray deceased on scene. Jackson was booked into the BSO Main Jail.

He faces several charges including aggravated fleeing with serious injury or death, aggravated battery on an officer, reckless driving causing serious bodily injury and participation in unlawful race. Additional charges may be pending.

ing.
The investigation is ongoing.

#### Pedestrian killed in deputyinvolved crash

Broward Sheriff's Office Traffic Homicide Unit detectives are in-vestigating a deputy-involved crash that killed a pedestrian on Saturday, April 27 in Pompano Beach.

Shortly after 5:32 a.m. that morn-

Shortly after 5:32 a.m. that morning, BSO deputies responded to a deputy-involved crash near the 1500 block of Dr. Martin Luther King Boulevard.

Pompano Beach Fire Rescue also responded. The preliminary investigation reveals that an onduty deputy struck a pedestrian, Jamil Moreland.

The on-scene investigation revealed the deputy was responding to a lewd and lascivious report near North Powerline Road.

The deputy was traveling westbound on Dr. Martin Luther King

Boulevard in the left thru lane after proceeding through the intersec-tion of Northwest 15th Avenue.

According to investigators, at the same time, Moreland was laying or in a crouched position in the roadway when the deputy's vehicle struck him within the left thru lane.

roadway when the depthy's ventiles, struck him within the left thru lane. The deputy came to a controlled stop and reported the crash. Emergency personnel pronounced Moreland deceased.

Investigators later confirmed the pedestrian was the individual related to the call for service the deputy was responding to. No other injuries reported.

According to investigators, driver impairment, excessive speed, and mechanical malfunction are not considered to be contributing factors in this crash at this time. The investigation continues.

## Six man football in Pompano

(This is a portion of a story about Pompano High School F years gone by.)

The 1941 football season saw Pompano go undefeated this one tie in the Southeastern conference (six-an)competition and this was the last time many of the ayers would ever play football again as world war II gan and some left, never to return. It is fitting I think to refly recount by the confidence of the game when Billy Mc Clellan recovered a fumble on of the game when Billy Mc Clellan recovered a fumble on of the game when Billy Mc Clellan recovered a fumble on the game when Billy Mc Clellan recovered a fumble on the game of that season was against Clewiston, they were beaten 47-18.

The yeld Pompano 13-6 up the first product the proposed of the game when Billy Mc Clellan recovered a fumble on the game of that season was against Clewiston, they were beaten 47-18.

The second home game of that season was against Clewiston, they were beaten 47-18.

The yeld Pompano 13-6 up the first part of the game when Billy Mc Clellan recovered a fumble on the game of the game when Billy Mc Clellan recovered a fumble on the game of t (This is a portion of a story about Pompano High School of years gone by.)

The 1941 football season saw Pompano go undefeated with one tie in the Southeastern conference (sixman)-competition and this was the last time many of the players would ever play football again as world war Il began and some left, never to return. It is fitting I think to briefly recount that season of so long ago no Cotober 9, we

ago. October 9, we played Jupiter there and defeated them 66-27. This was the first game ever played in the last. I was the right end and the play was an end around reverse.

The half back was to hand the ball off to either end off the was an end around afake to the other. At the "hike" (not called snaps then) of the ball I, along with the left end (Cecil Miller, i) instead of passing each other we collided head-on, knocking both of us silly.

So much for my participation in the rest of that graden them 40-0.

The first home game of that season was against McHaven, game time 3:30 PM (Never played any conference).

deteating them 40-0.

The first home game of that season was against Moore-Haven, game time 3:30 PM (Never played any conference night games) score, 45-6. The outstanding player of that game was Doyle Alderman, halfback who carried the ball

til the last final seconds in recovered a fumble on our fifteen yard line and ran for a touchdown.

our fifteen yard line and ran for a touchdown. The extra point was good and the game ended in a 13-13 tie.

Eau-Gallie had several good Japanese descendent players and their football field was a cow pasture, (could have been called "cow-pasture football "I suppose.) We always had to take a shower after playing there.

November 7 Pompano routed Jupiter for the second time by a score of 52-7.

The game was automatically stopped when our lead reached 45 points. (That rule should be re-instated today.)

On November 14 we again met and defeated

Moore-Haven by the score of 47-6

Clewiston was again defeated Moore-Haven by the score of 47-6 Clewiston was again defeated on November 21 by the score of 63-14. The final game of the 1941 season was with Eau-Gallie who tied us in our first meeting. They were defeated by the score of 21-7. and giving us an undefeated season.Coach Carmichael, as tough and as unforgiving as he was has to be commended for the football and basket ball teams he produced in the early days of competitive

#### Pompano Pioneers by Bud Garner



sports in Pompano high school.

#### Page 2 The Sentry May 2, 2024 NEWS...

CONTINUED FROM PAGE 1 contacted.

contacted.

Anyone with information on the identity or location of the subject involved or regarding this incident, is asked to contact BSO SVU Detective Stephanie Simmons at 954-321-4228 or submit a tip through the SaferWatch app. If tipsters wish to remain anonymous, they can contact Broward Crime Stoppers at 954-493-TIPS (8477) or online at broward-crime stoppers, org. Tipbrowardcrimestoppers.org. Tip-sters can also dial \*\*TIPS (8477) from any cellphone in the United States.

Pompano Beach single-vehicle crash investigated

woman.

According to investigators, the crash occurred at approximately 9:13 p.m. on Thursday, April 18, near the 3100 block of North

near the 3100 block of North Andrew Sumue Extension in Pompare The preliminary on-scene investigation revealed Solange Alves Arroio De Lima was traveling southbound in a 2016 Hyundai Accent when for unknown reasons she lost control of her vehicle and entered the grass swale where she struck a tree head-on. Pompano Beach Fire Rescue re-sponded and pronounced her de-ceased on scene.

#### TRAVEL TROUBLESHOOTER

BY CHRISTOPHER ELLIOTT

#### Expedia said it refunded my tickets, but it didn't. What should I do?

Keith Dawe has been waiting for his refund from Expedia since 2020. But neither the online agency nor his airline can find the missing money. Where is it?



Illustration by Aren Elliott

Q: I need help getting a refund from Expedia. I booked two roundtrip Air Transat tickets from Toronto to Paris through Expedia back in 2020. I had to cancel the flights. Under the refund rules during the pandemic, Expedia said I could get my money back. Expedia said it would process the refund in a matter of weeks.

aid it would process the refund in a matter of week.

a matter of week.

refund never showed up on my credit card. I contacted Expedia in carly 2022, and they told me to contact Air Transat for my refund. Idid, and an Air Transat for my refund. Idid, and an Air Transat for my set my contact air transat for my refund.

I've contacted both Expedia and Air Transat on numerous occasions since then, and I've also asked my credit card company for help. It says there's no record of a refund from Expedia or Air Transat.

I would love to get a refund. Can you help me? — Keith Dawe, Toronto

A: Expedia should have refunded

you help me? -- Keith Dawe, Toronto

A: Expedia should have refunded your money three years ago. I believe this is a new record for the longest airline refund case. (Congratulations, Expedia!)

Air Transat is a relatively small charter airline, so that might explain the initial delay. But at some point, Expedia should have taken ownership of this problem and helped you get a refund. Instead, it looks as if you bounced between Expedia, Air Transat and your credit card company for years. Literally, years. You must be exhausted.

What happened? It looks as if

What happened? It looks as if Air Transat may have refunded part of your purchase with a check, which looks like it was for taxes and

which looks like it was for taxes and fees. That left an outstanding balance of about \$1,002. Air Transat claims it sent the money to Expedia, but Expedia said it never received the money.

Here's the thing: When you buy an airline ticket through an online travel agency, it is responsible for the refund. It doesn't matter if the airline refunds it or not. So if Expedia says you're entitled to a refund, and it promises to process a refund in a few weeks, it's on Expedia.

are fund, and it promises to proceeds, are fund in a few weeks, it's on Expedia.

You were way too patient with your airline and online agency. You should have fleed a credit card dispute to recover your funds.

I list the names, numbers and email addresses of the Expedia executives on my consumer advocacy site, Elliott.org. A brief but firm email to one of them might have motivated Expedia to find your missing money.

have motivated Expedia to find your missing money. Expedia on your beat of the property of the

# Broward Sheriff's Office Traffic Homicide Unit detectives are investigating the circumstance surrounding a fatal single-vehicle crash that killed a Coral Springs What's the solution?



Have you noticed all the kids at e airport lately?

Nave you hotteed an the kins as he airport lately? you could only find them at the terminal playground find them at the terminal playground the particular that the pa

been appalled at what she's seen lately,

"Parents let their kids do whatever they want at the airport," she says. "It drives me crazy."

Passengers are complaining about free-range children running about free-range complaining about free-range ground in globel side alto the say only a lived in globel side alto the say of the say of

The anything-goes attitude is often a preview of the flight to come. onen a preview of the night to come. Who can forget that virial video of the toddler using her tray table as a springboard on an eight-hour flight? Or the frustrated United Airlines captain who wanted to divert his flight because of unruly schoolkids in the back of the plane? Air travelers disapprove of free-roamine kide

schookids in the back of the plane?
Air travelers disapprove of freeroaming kids
Passengers are almost unanimous about this problem: 90 percent of travelers say parents should
not let their kids roam free, according to a recent survey by Kayak.
After all, your fellow passengers
are not babysiters.
"These encounters with kids
have become a bigger issue," says
Howard Pratt, a psychiatrist at
Community Health of South Florida
who specializes in treating children.
'Not everybody traveling looks
forward to interacting with kids who
are not their own. So it's not just
of the state of the state of the state
for the state of the state of the state
for the state of the state of the state
for the state of the state of the state
for the state of the state of the state
for the state of the state of the state
for the state of the state of the state
for the state of the state of the state
for the state of the state of the state
for the state of the state of the state
for the sta

if you're on the receiving end of attention from someone's unsupervised child?

Should you allow children to run free in the airport?

Yes — and no.

"In a safe unpopulated area such as a terminal gate that is full of empty seats," says Ashanti Woods, a pediatrician at Baltimore's Mercy Medical Center. "Children need to

Illustration by Aren Elliott play and burn energy, especially if we want them to sleep on the

we want them to act.

But there's a catch: Parents have
to keep one eye on their kids and
another on the departure gate to
make sure the flight doesn't leave
without them.

So should you let your kids run
foos in the airport? No, say experts.

without them.

So should you let your kids run free in the airport? No, say experts.

"Children should not be allowed to run free in the airport." Says Bidisha Sarkar, a pediatrician at ClinicSpots, a travel medicine stee. "It's essential for safety and courtesy to keep them within reach at all times."

What is an appropriate age to allow your kids to explore the airport without adult supervision?

It depends. Timon van Basten, who runs tours in Spain, says he's seen kids as young as 8 who have no trouble being independent in the airport terminal -- and behaving. But it depends on the child and the airport.

"Busy airports like London Heathrow might prove too overwhelming for some kids," he says. Sarkar says parents have to assess their kids' maturity and ensure they know all the airport protocols (no leaving the secured areas, be back in time for boarding).

"Parents also have to ensure

areas, to comming).

"Parents also have to ensure their children do not disturb others." she says.

What is a parent's responsibility when it comes to allowing their kids to interact with fellow passengers?

What is a parents responsion; when it comes to allowing their kids to interact with fellow pasengers? I can't believe I have to say this, but parents, you are responsible for the same state of the same state of

loose.

Etiquette experts say — and I agree with them — you'll gain nothing by approaching a free-range parent angrily. They already know what they've done, and they probably don't care. A lighthearted, "Look who I found?" might be the best approach. Yelling or fingerwagging will just stress you out even more, and it won't change the parents' behavior. Those signs warning of child trafficking in the bathrooms are a good start. If that's not enough to put the fear of God into a parent, I don't know what is.

More designated areas for kids to play would help, too. But ultimately, it's up to parents to teach their kids good manners and responsible behavior. Christopher Elliott is an author,

Christopher Elliott is an author, consumer advocate, and journal-ist. He founded Elliott Advocacy, a nonprofit organization that helps solve consumer problems. He publishes Elliott Confidential, a travel news letter, and the Elliott Report, a news site about customer service. If you need help with a consumer problem, you can reach him here or email him at chris@elliott.org.

#### PROBLEM SOLVED

BY CHRISTOPHER ELLIOTT ParkWhiz said it didn't charge me for parking -but then it did!



Illustration by Aren Elliott

When Grant Erwin tries to pay for parking at Seattle's water-front, a website called ParkWhi: changes him \$115 were though it claims his transaction didn't go theagh. Can he get a rejund?

Q: A parking lot on Seattle's waterfrom at the foot of Union Street ripped me off for over \$115. When you park there, you have to go to a website called ParkWhiz and give them your credit card number.

When I did that, the site told me very definitely the transaction did not go through. After repeated attempts, I gave up. When I got home. I saw \$115 in credit card charges.

ParkWhiz answered my nittal request for a refund, asking me to send a receipt (which I did.), but since then, they have not responded at all. Their behavior is outrageous and shows Seattle's new waterfront in a very bad light. Can you help me get my money refunded?

- Grant Erwin, Kirkland, Wash.

A: I'm sorry to hear about the extra charges for parking. You were only there for a few hours and it looks like ParkWhiz charged you four times for the same spot. This should have been a no-brainer.

ParkWhiz asked you for a receipt of your parking spot, which you readily provided. And that reminds me: It's not just important to keep a receipt. If a website says your transaction adm't it will make a refund easier to get.

It's unclear why ParkWhiz stopped communicating with you after you furnished it with your receipt. But I have my suspicions. ParkWhiz works through an app on your phone. It issues a mobile parking pass once you've paid for your spot. But it's difficult to verify if a car has actually used that spot. Park Whiz, which is just an intermediary between you and the parking lot operator, would have to contact the operator to ask if it has any records that the spot was used. That might were the provided and the parking lot operator, you could have canceled your the men sentenced your contents of the park was canceled your canned your supless otherwise nord.

opening as a way the control of the

close enough.

I contacted ParkWhiz on your behalf.

"It worked!" you said in a follow-up email the next day. "Today they refunded all charges!"

Christopher Elliott is the founder of Elliott Advocacy (https://

Christopher Elliott is nonprofit organization that helps consumers solve their problems. Email him at chris@elliott.org or get help by contacting him at https://elliottadvocacy.org/help/

© 2024 Christopher Elliott.

RUE GRIT

SPORTFISHING

## Wings n' Things

150 SW 6th Street Pompano Beach, FL 33060

954-781-9464 Open 7 days

Pompano's favorite spot for lunch and dinner!





★ FREE PRE-EMISSION

\* COMPLETE EMISSION



**ALL DOMESTIC & POPULAR FOREIGN CARS** 

#### **Delco-Tech Service Center**

- AC-Delco-trained and ASE-certified technicians Trained by AC-Delco to
- diagnose and repair drivability problems; Carburetion H Ignition
- **Emission systems** Fuel injection
- \* Specializing in GM vehicles Service Available on
- other domestic and import vehicles
- ★ Computerizeu ana. ★ Emission systems Computerized analysis



943-2055

Brwd. Cty. Lic.



803-319-2220







## HEALTH

#### **Curbing the Price of Diabetes** and Obesity Medications



For years, Kasia Lipska, MD, MHS, associate professor of medicine (endocrinology) at Yale School of Medicine (YSM), has been advocating for affordable pricing of insulin, an essential—and sometimes lifeavaing—drug for many individuals with diabetes. Now, she is turning her attention to a similar trend of soaring prices among new diabetes and obesity medications.

The implications of exorbitant prices for these novel therapies are alarming, according to Lipska, who first became aware of the drug pricing issue in 2016 when one of her patients couldn't afford to increase the does of insulin she was taking. In subsequent research, Lipska discovered that 1.1 million Americans, or 14 percent of those who filled insulin prescriptions, reached catastrophic spending, defined as spending more than 40 percent of post-subsistence income on insulin alone.

The same insulin and other medications for diabetes and obesity are frequently priced 10 times higher in the U.S. than in peer countries, Lipska said.

In a new paper, "Lessons From

Insulin: Policy Prescriptions for Affordable Diabetes and Obesity Medications," published in Diabetes Care, Lipska, Reshma Ramachandra, MD, assistant professor of medicine (general medicine) at YSM, and first author Kathryn Nagel, MD, former YSM Department of Internal Medicine resident, used findings from previous research on insulin pricing to look at the issues underlying drug affordability.

Our paper highlights where along the drug development and delivery value chain there is more work yet to be done by policymakers to enable more equitable and affordability.

"As with insulin, our patients are facing parallel challenges in accessing other new non-insulin diabetes, and anti-obesity medications." Ramachandran said.

In their research and analysis, "There are challenges to policy reform, the researchers observed." "While the recent Inflation Revented State of Policy to level to lower prescription drug to like to lower prescription drug to lower prescription drug to like to lower prescription drug to like to lower prescription drug to like to lower prescription drugets to lower prescription drug to lower prescription drug to lower prescription drug to lower prescription drug to lower prescription drugets to lower prescr

ions. "As with insulin, our patients are facing parallel challenges in accessing other new non-insulin distense and anti-obestip medications," Ramachandran said. In their research and analysis, Lipska, Ramachandran, and Nagel gathered evidence about the changes needed to achieve fair pricing of new diabetes and obesity drugs, creating a blueprint that policymakers can use for potential action.

"Writing the article helped us map out the different pieces that go into the drug pricing process in the U.S.," Lipska said. "We learned more about the complex chain of events that leads from drug devel-

more about the complex chain of events that leads from drug development and patent law to how much patients pay when the medicine gets to them."
"Our paper highlights where along the drug development and delivery value chain there is more work yet to be done by policymakers to enable more equitable and affordable access to these medications," Ramachandran added.

Ramachandran noted a key lesson learned from efforts to improve access to insulin is that there is no single silver bullet. "Our paper shows that a range of upstream and downstream policies are necestry been proposed or enacted into law. Clinicians can give feed-back about how certain solutions are playing out in practice and bring an important perspective to this conversation.

But there are challenges to

an important perspective to this conversation.

But there are challenges to policy reform, the researchers observed.

their patients.
"There are a lot of policies tar-geting drug affordability that have recently been proposed or enacted into law," she said. "Clinicians can give feedback about how certain solutions are playing out in prac-tice and bring an important per-spective to this conversation."

#### Perinatal substance use may shape how strongly mothers feel toward infants

of happy and sad infant faces and sounds of crying babies. The types of substances used among the former group of mothers varied, but the most common sub-

group of mothers varied, but the most common substance was tobacco (70%), followed by a factor of the control o

cortex.

gions such as the medial prefrontal cortex.

Affective empathy, on the other hand, refers to the emotions one feels in response to various cues.

"This is a measure of how emotional you personally feel in response to someone's emotions, for example how happy you feel when looking at someone who's happy," McCurdy explains. The brain regions associated with affective empathy include the inferior frontal gyrus, insula, and amygdala.

Mothers rate emotional intensity of infant cues and own feel-



associate professor in the Yale Child Study. Center, who is also the new study's principal investigator. The dataset included 39 mothers who h. All of the participants looked at images of happy and sad infants crying while undergoing fMRI. Half of the cut of the c

vation.
On the other hand, mothers who sed substances reported feeling less intensely in response to the infants, especially toward sad cues.

interestingly, nowever, when the cue was an image of the participant's own smiling infant, there was no significant difference in affective empaths and the property of the pr

important in helping them be the best moms they can be".

#### Understanding bacteria protection in order to break through it

Vale researchers have uncovered new on how becteria like E. coli build their protective barriers, which will inform new antibiotic development.

Antibiotic-resistant bacteria are a growing problem when it comes to combatting infections. Bacteria that have an additional protective layer to their cell walls — a type known as "Gramnegative" in reference to the staining method used to identify it — are especially difficult to fight.

Yale researchers have made headway in understanding how bacteria generate this protective layer through a new study that uncovers additional unance — and additional targets for developing new antibiotics.

new study that uncovers additional nu-ance — and additional targets for de-veloping new antibiotics.

A critical component of this protec-

A crimeat component of this protective layer is a molecule called lippoplysaccharide (LPS). Bacteria need a certain amount of LPS; too much or too little kills the cell. Previous research from the lab of Wei Mi, assistant professor of pharmacology at Yale School of Medicine, revealed how molecular sensors in E. colistrike the right balance of LPS production.

In the new study, researchers delved deeper



The researchers model mental illness as a state of negative thinking and distate of rumination—thinking and distate of rumination—thinking and distate of rumination—thinking and distate of rumination with negative thoughs—that is reinforced through behavior. In that model, they say, individuals experiencing mental illness are pessimistic about their future productivity, risky investments, and the evolution of their mental health. They also lose time while ruminating. As a result, they work, consume, and invest less while also foregoing treatment, which reinforces their mental illness.

#### Driver of liver cancer that could be target for treatment

Inhibiting a certain protein in mice reduced obesity-induced liver tu- ecule that binds to fatty acids and moor

develo p -ment, Yale found could t u r e t u r e treat-ment route. Metabolic diseases like obesity

Metabolic diseases like obesity can increase the risk of developing liver cancer, research has shown. But how one disease predisposes to the other is unclear. In a new study, Yale researchers uncovered a key role played by a molecule called fatty acid binding protein 5 (FABPS) and found that inhibiting it blocked tumor progression in many cases.

The molecule, said the research-

The molecule, said the researchers, could be a target for cancer treatment in the future.

Hepatocellular carcinoma is a type of cancer that accounts for 90% of liver tumors and it's the second cancer that accounts for 90% of liver tumors and it's the second cancer cleated deaths worldwide.

"Obesity-related hepatocellular carcinoma is also on the rise in the United States as rates of metabolic disease increase," said Carlos Fernández-Hernando, the Anthony N. Brady Professor of Comparative Medicine and professor of pathology at Yale School of Medicine (YSM) and senior author of the ogy at Yale School of Medicine (YSM) and senior author of the

(15m) and semon author of the study.

Obesity can lead to non-alcoholic fatty liver disease, in which excess fat builds up in the liver. In some people, this disease transitions to a more inflammatory condition called non-alcoholic steatohepatitis, Fernández-Hernando explained, and this can lead to liver canner.

non-alcoholic steatohepatitis, Fernández-Hernando explained, and this can lead to liver cancer. To study what might be driving this disease transition, the researchers fed mice a specific diet that induces fat accumulation in the liver. Previous studies have shown that this diet over time induces non-alcoholic fatty liver disease, followed by non-alcoholic steatohepatitis, and then hepatocellular carcinoma in mice, mimicking the disease transition in humans. While the mice were on this diet, the researchers looked for any changes in gene expression across various liver cells. "One thing that stood out to us was that this molecule FABP5 was highly elevated in liver tumor cells," said Jonathan Sun, a Ph.D. student in Fernández-Hernando's lab and lead author of the study, "We also observed that it was expressed in immune cells called macrophages localized in the tumors."

Depending on the context and the cell type, FABP5 can perform differ-

humans, using data from the Genome Atlas — a collection Genome Atlas — a collection of more than 20,000 human cancer samples — the researchers found that FABP5

— the researchers found that FABPS was overexpressed in human hepatocellular carcinoma cells and patients with high expression of FABPS had a significantly lower five-year survival rate than patients with low FABPS expression. "Together, these findings told us that inhibiting FABPS might be a good target for treating tumor progression," said Yajaira Suárez, the Anthony N. Brady Professor of Comparative Medicine and professor of pathology at YSM and co-senior author of the study.

After treating a subset of mice with a molecule that inhibits FABPS, the researchers found that it blocked

After freating a subset of michists FABPS, the researchers found that it blocked tumor progression. While 50% of the mice not treated with inhibitor went on to develop liver tumors, just 25% of the mice treated with the inhibitor did. The tumors they did develop were also fewer in number and smaller than those of their untreated counterparts. These findings were further substantiated in mice genetically deficient in FABPS, which were significantly resistant to obesity-driven hepatocellular carcinoma.

The researchers found two potential explanations for why inhibit-

The researchers found two potential explanations for why inhibiting FABP5 and this effect on tumors: Inhibiting FABP5 made the tumor cells more susceptible to a cell death called ferroptosis, and it changed the tumor microenvironment. "Inhibiting FABP5 caused macrophages to shift to a more pro-flammatory state that led them to activate other immune cells," said

activate other immune cells," said sum, "Ir ewired the microenvironment to be more aggressive against cancer cells."

The findings are promising when it comes to potential treatments for liver cancer in humans, said Fernández-Hernando, who is also a member of the Yale Cancer Center and director of the Vascular Biology and Therapeutics Program at YSM. Going forward, he and his lab aim to better understand the link between FABP5 and ferroptosis at the molecular level and test how FABP5 inhibition might affect other cancers and illnesses like cardiovascular disease.

#### Novel study quantifies immense economic costs of mental illness in the U.S.

Mental illness costs the U.S. economy \$282 billion annually, which is equivalent to the average economic recession, according to a new study co-authored by Yale economist Aleh Tsyvinski. The first-of-its-kind study integrates psychi-

its-kind study in-tegrates psychi-atric scholarship with economic modeling to bet-ter understand the macroeco-nomic effects of mental illness in mental illness in the United

States.
The \$282 bil-lion estimate — which amounts to about 1.7% of

approximations of mental illness's overall cost in epidemiological studies.

While those earlier studies focused on income loss relating to mental illness and the costs of mental health treatment, the new study also accounted for a host of additional adverse economic outcomes associated with mental illness, including the fact that people with mental illness consume less, invest less in a house, stocks and other risky assets, and may choose less-demanding jobs, Tsyvinski said.

iess-demanding jobs, isyvinski said. "In this paper, we develop the first integrated model of macroeco-nomics and mental health building on classic and modern psychiatric theories," said Tsyvinski, the Arthur M. Okun Professor of Eco-

nomics in Yale's Faculty of Arts and Sciences and professor of global affairs in the Yale Jackson School of Global Affairs. We show that mental illness alters people's consumption, savings, providing mental health services to everyone between the ages of 16 and 25 experiencing mental illness will read to 1.7% of aggregate consumption, according to the

portfolio choices, as well as the country's labor supply, generating enormous annual costs to our economy."

Nationwide, more than 20% of adults live with mental illness and about 5.5% experience serious mental illness, according to the U.S. Substance Abuse and Mental Health Services Administration.

For the study, Tsyvinski and co-authors Boaz Abramson, of Columbia Business School, and Job Boerma, of the University of Wisconsin-Madison, analyzed the potential effects of policies aimed

potential effects of policies aimed at improving treatment of mental

They found that expanding the availability of mental health services — by eliminating the shortage of mental health professionals, among other means — would

according to the study.
At the same time, their analysis found that lowering the out-of-

pocket cost of mental health services does not substantially re-duce the share of

to about 1.7% of the country's ag- A new Yale analysis of the economic toll of mental illness considers a duce the share of gregate con- host of adverse economic outcomes not considered in earlier estimates, adversed the share of sumption— is about 30% larger than previous approximations of mental illness's operation of the country's labor supply, generative supports of the country's labor supply s

Read **Pompano Pioneers** by Bud Garner

Every Week Page 1



## **OPINION**

## Lax antitrust enforcement linked to rising hospital prices A new study co-authored by a Yale economist provides evidence that insufficient antitrust enforcement in the U.S. hospital sector is contributing to reduced competition and higher prices for hospital

care.
The study, conducted in collaboration with researchers at Harvard, the

ducted in collaboration with researchers at Harvard, the University of Chicago, and the University of Wisconsin-Madison, found that of 1,164 mergers among the mation's approximately 3,000 acute of 1,000 acute of 1,00

HEALTHCARE

53 hospital mergers that coccurred on average annually from 2010 to 2015 raised health spending on the privately insured by \$204 million in the following year alone. Putting this spending increase in consonet the consonet the

tant, ambient hum.

The findings suggested a "roll-ing, noisy uni-verse alive with the cosmic sym-

phony of gravita-tional waves."

Those findings
c a p t i v a t e d
Maggie Schnyer,
now a Yale senior

majoring in Com-puting and the Arts.

After reading

speltung intext, the researchers note that the
FTC's average annual budget and
antitrust enforcement budget between 2010 and 2015 were \$315 and
\$136 million, respectively.
"We posit that much of the
underenforcement il likely a function of a lack of funding for the
antitrust enforcement agencies,
said Zarek Brot-Goldberg, an assistant professor at the Harris
School at the University of Chicago. "Mergers in the hospital sector are generating short-run harms
that roughly approximate the FTC's
entire budget, which suggests the
agency might lack sufficient resources to take necessary enforcesources to take necessary enforce-ment action and preserve competi-

tion."

The study found that mergers in rural regions and areas with lower incomes and higher rates of poverty generated larger average price increases, often in outpatient ser-

The researchers suggest this The researchers suggest this occurred because those regions — compared with higher income, urban settings — have fewer freestanding clinics that offer surgical and imaging services that compete against hospitals in the outpatient market.

and imaging services that compete against hospitals in the outpatient market.

chology at DePaul University, studies intuition more as an emotional or gut feeling. After all, when we speak about our intuition, we often talk about it as something "feeling right" or "feeling off."

Kushal, a trader on Wall Street, had just entered one of the Twin Towers on 9/11. Orders were given to remain in the building. There was a lot going on and Kushal didn't have time to deliberate rationally about what he should do. He had to make a decision and fast. His gut feeling told him to run. Because he followed it rather than the guard's order, he saved his life seconds before the building collapsed.

Mikels' research shows that instituations—like Kushal's—where matters are complex, you'll make a better decision by following your feelings. He found this to be especially true for older adults whose cognitive faculties might not always be as sharp as younger people's, showing that intuition is even more important with age.

When I interviewed Lynn, The Turnaround Queen, for my book Sovereign, she shared. "I definitely move from my intuition. But intuition without intellect is like buying a plane without any propulsion. I do the analysis, but my decision comes from my place of knowing. You can't shut off your intuition."

And because she followed herituition, she saved hundreds of

ition."

And because she followed her intuition, she saved hundreds of thousands of working class families from succumbing to un-employment.

ployment.

Joe Mikels gives good advice similar to Lynn's. Given his research on intuition and how it can help

similar to Jymis. Victor his research on intuition and how it can help you make a better decision in complex situations, he says he makes sure to "consult" it and take it into consideration along with all the other information he has.

How can you train yourself for intuition? Intuitive thoughts or a ha moments are more likely to come when your brain is in alpha-wave mode, i.e. you are not concentrating on something, nor are you created that you could fall asleep. You're in a meditative state of mind. Making time and room for alpha-wave moments will help you access it:

wave moments will help you access it:
Meditation: Research shows meditation makes you more creative and insightful. Meditation also increases your awareness.
Nature: Research shows you're more likely to come up with innovative insights after spending time in nature

draws on movement of its visitors

Motion captured: 'Symphonic' installation



The universe is awash in sound.

Music in Yale's Faculty of Arts and Sciences, Scott Petersen, a senior lecturer in Computing and the Arts, and Ross Wightman, technical manager at the Yale Center for Col-laborative Arts and Media (CCAM).

manager at the Yale Center for Collaborative Arts and Media (CCAM).

As visitors moved about the
room, different musical tracks
would adjust the volume and paning in their headphones according to who and what they were
close to.

Her efforts culminated last
month in an interactive motioncapture performance staged in
CCAM's Leeds Studio, which is
equipped with a Vicon Motion Capture System.

Window shades blocking the
light from outside twinkled with
stars, a form of generative art
Schnyer created with code. An
ever-changing galaxy-like design,
also one of her programs, glowed
on a large screen at the front of the
variety of the composed of the composed a
soothing, nine-minute piece of
music written in Lovie Pro, Apole's
music written in Lovie Pro, Apole's

ast semester she researched Schnyer had also composed a soothing, nine-minute piece of music written in Logic Pro, Apple's elf with coding software for uduid and visual aspects of her ct. She wanted to use project and lighting boards for the illation, something else she'd rodne before.

was learning everything as I headphones as well as other sen-

As Visitors moved about the room, different musical a tracks wolume and the room, and the room, and the room, and what they were close to. "The motion-tracking technology designated each person that entered the space as a new instrument, with musical lines mimicking their movement and stillness as they explored the they explored the exhibit," Schnyer

asid.

The project was a hit. Some 60 people (mainly students) signed up for one of the 15-minute slots to try out the headphones. The state of the

# mergers from 2002 to 2020 could have been easily predicted to increase concentration, lessen competition, and raise prices. "Since 2000, hospital prices have grown faster than prices in any other sector of the economy." Cooper added. "The average price of an inpatient admission is now nearly \$25,000. We need to be done to be a competition in the competition in the competition in the SL3 trillion hospital industry — which accounts for 6% of the nation's GDP — 90% of hospital markets are now highly concentrated, according to the thresholds set by the FTC and the U.S. Department of Justice. The FTC appears to have had access to the information needed to identify the potentially problematic mergers over the period the study covers, the researchers said, noting that about half of the deals that could be predicted to lessen, under federal law. Cooper and coauthors Zarek Brot-foldberg of the University of Wisconsin-Madison, and Lev Klarnet of Harvard Uni-The best leaders use intuition



In an except from her new book
Sovereign: Reclaim your Freedom,
Energy, and Power in a Time of
Distraction, Uncertainty, and
Chaos, Yale SOM's Emma Seppälä
writes that drawing on instinct as
well as analysis can help you make
better decisions.

When you're making decisions,
should you listen to your gut or
only lean on reason? Research
suggests we should do both.

Lynn Tilton lost her father as a
teenager and experienced firsthand
what the loss of the main income
provider can do to a family. She got
herself into Yale on a tennis grant,
married while at Yale, became pregnant shortly after graduation, and
soon became a single mom. It was
the 80s and she launched into a
career on Wall Street to support
her child. Successful financially but
sexually harassed daily, she
planned to retire young once she
had made enough money. But when
she did, she had a dream thathanged were using intuition that
changed the course of her life and
those of the hundreds of thousands
of people her life would touch.

In her dream, her late father appeared to her and said, "This is not
what I had in mind for you."

Lynn realized that she needed to
make her life about more than herself and to dedicate the rest of her
career to making sure others would
not have to go through the kind of
suffering she and her family had
when her father, the family bad
when her father, the family sprimary provider, died.

So Lynn founded Patriarch Partmers, a company that bought orga-

when her father, the family's primary provider, died.

So Lynn founded Patriarch Pariners, a company that bought organizations on the brink of bank-ruptcy—companies that consulting firms and others had completely given up on—and turned them around—think Stila Cosnetics, for

Because she followed her intuition instead of squelching it as "magical" or "irrational" thinking, the Turnaround Queen, as Lynn came to be known, became the owner

In an except from her new book covereign: Reclaim your Freedom, energy, and Power in a Time of bistraction, Uncertainty, and hoos, Yale SOM's Emma Seppials wittes that drawing on instinct as well as analysis can help you make relet decisions. When you're making decisions. When you're making decisions. When you're making decisions. And for good reason. While most of us have had gut fending the provider can do to a family. She goat make the loss of the main income rovider can do to a family. She goat merit will be a formed from of perception we are wired for moried with a to a family. She goat married while at Yale, became preg-staff Sergeant Martin Ritchburg

and that can help us make better decisions.

and that can help us make better decisions.

was at an internet cation on military base in Iraq, speaking to his wife back home, when he got a weird feeling about a man who walked into the cafe. Ritchburg saved the lives of 17 people that day because his hunch was right and the man had planted a bomb.

Because of accounts like this and others, The U.S. military is investigating intuition and even has training programs to develop if turther.

One example is a highly cognitive form of intuition you could think of as hyperawareness. Marine Corps offerer Maurice "Chipp" Naylon, author of The New Ministric Origon, author of The New Ministry of Truth, described his experience of the property of the search of the service of

tions from the norm in you. Servicement.

When Chipp was in Afghanistan patrolling, for example, noticing that a usually busy playground was empty would indicate a deviation from the norm and be a sign of

potential danger.

Another form of intuition is more of a gut feeling. Neuroscientist Joseph Mikels, professor of psy-

show, for instance, that solar panels installed on one roof increases the odds than neighbors will install their own panels.

A team of researchers, including Kenneth Gillingham, professor of environmental and energy economics at the Yale School of the Environment, has found that being able to provide information to others about their green behavior could increase the adoption of an invisible form of pro-environmental behavior.

"The big takeaway is that when people believe that they can share information about their green decisions, this increases their proclivity to make green decisions," Gillingham new misgais and spending time.

Time off & Unplugged: Make time to be off your devices and in a more relaxed sixe. Although you may be a compared to the compa

increase climate-friendly behavior said.

The research team examined the influence of observability in the context of peer-to-peer solar. Peer-to-peer solar. Peer-to-peer solar offers an opportunity for households that cannot have solar panels installed on their homes to access solar energy from their neighbors. It works like this: one household energy from their neighbors, it works like this: one household with rotoftop solar sells electricity to the grid to cover the electricity consumed by another household, usually a close neighbor. It enables enters or homeowners who have rooftops that are not suitable for solar, or who may be too financially constrained to install solar, to purchase renewable electricity. This model, however, often requires the household with the solar panels to put in a larger solar installation than they would have otherwise done in order to be able to sell their excess energy generation to cover the electricity of the neighbor.

"An exciting aspect of our study is that we have a context where people can make a pro-environmental decision by signing up for peer-to-peer solar when their rooftop is not suitsaid. The research team examined the

Harnessing the power of observability may

able for their own solar system, and that decision is inherently not vis-ible or observable to others. This

ible or observable to others. This allows us an opportunity to make a key decision observable, and thus test the importance of observability." Gillingham said.

When people believe that they can share information about their green decisions, this increases their proclivity to make green decisions."

Kenneth Gillingham Professor of Environmental and Energy Economics

The researchers implemented a set of randomized Facebook campaign ads in the Massachusetts cities of Cambridge and Somerville to study social media users' interest in peer-to-peer solar through clicks on the ads.

They conducted the study over a

e ads.

They conducted the study over a period between 2018 to They conducted the study over a two-year period between 2018 to 2020 in partnership with the peer-to-peer company MySunBuddy. The research was part of a Department of Energy funded SEEDS2-SES project and coordinated with the Yale Center for Business and the Environment.





Water scarcity around the world is a bigger problem than ever, and desalination is critical to solving it. The best available technologies for separating salt from seawater, though, are costly and require a great deal of maintenance.

A team of researchers has now developed a durable and cost-efficient filtering membrane that could increase the number of people across the globe getting clean, safe water. The results of their work, from the lab of Prof. Menachem Einnelceh in collaboration with Nanjing University of the proposed of the profession of the profession of the world of the profession of the profession of the profession of the world of the profession of the prof

Drive through a residential neighborhood, and if you spot one home with solar panels, chances are you will find at least one or two more. Observability, the ability to see the behaviors of others, has been known for decades as an essential driver of human actions. It is particularly important in the adoption of green behaviors and technologies and could lead later adopters to follow early adopters more quickly. Studies show, for instance, that solar panels installed on one roof increases the