

The Lord is like a strong tower, where the righteous can go and be safe.
Proverbs 18:10

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DIYARYO KABITENYO
Nagmamalasakit sa lalawigan

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Be alert, stand firm in the faith, be brave, be strong.
1 Corinthians 16:13

GenTri to provide free vaccination to jeepney, trike drivers

GENERAL TRIAS CITY, Cavite—The local government unit here has vowed to include jeepney and tricycle drivers in its free Covid-19 vaccination program.

"The city government plans to buy the vaccine kung hindi kayo i-consider as fundliners. We the local government unit will provide to around 4,000 members of jeepney and tricycle drivers for them to continue transporting passengers," Mayor Antonio Ferrer assured during a meeting with 30 leaders of Jeepney Operators and Drivers Association and Tricycle Operators and Drivers Associ-

ation of the locality held at Jollibee GenTri Bayan function room at Barangay Gumbayan last Dec. 28, 2020.

"Para makalabas agad, para makapag-ada agad, hindi po kayo kayang sustentuhan ng pamahalaang lokal. Ang priority po natin ay kumita ang hawat sa para mabuhay at para umunlad ang ekonomiya," Ferrer added.

Ferrer stressed that those 15 years old below and 65 years old and above should not be allowed to board public utility vehicles to prevent the spread of the virus in the city and that passengers must be

Turn to page 2



Director Lionel Dalope (4th from right), Cavite Interior and Local government head, awards two plaques to General Trias City Mayor Antonio Ferrer (2nd from left) as Best LGU in the conduct of contact tracing in Cavite, as a proof of diligence in work and commendable performance in protection of citizenry to prevent the spread of coronavirus.

Fire breaks out in Bacoor

BACOR CITY, Cavite - A fire broke out at Salinas I, this city, last Jan. 2. The fire reached first alarm at 9:52PM and second alarm at 9:30PM. The fire started at a residential house with



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DIYARYO KABITENYO

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ADRIANO BANCAL
Editor
GENIE BANCAL
Operations Manager

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Publishers Association of the Philippines, Inc.

Multiple mosquito blood meals accelerate malaria transmission

Multiple hours of blood feeding by mosquitoes shorten the incubation period for malaria parasites and increase malaria transmission potential, according to a study published December 31 in the open-access journal PLOS Pathogens by Lauren Childs of Virginia Tech, Flaminia Cateruccia of the Harvard T.H. Chan School of Public Health, and colleagues. Given that mosquitoes feed on blood multiple times in natural settings, the results suggest that malaria elimination may be substantially more challenging than suggested by previous experiments, which typically involve a single blood meal.

Malaria remains a devastating disease for tropical and subtropical regions, accounting for an estimated 405,000 deaths and 228 million cases in 2018. In natural settings, the female *Anopheles gambiae* mosquito – the major malaria vector – feeds on blood multiple times in her lifespan. Such complex behavior is regularly overlooked when mosquitoes are experimentally infected with malaria parasites, limiting our ability to accurately describe potential effects on transmission. In the new study, the researchers examine how additional blood feeding affects the development and transmission potential of *Plasmodium falciparum* malaria parasites in *An. gambiae* females.

"We wanted to capture the fact that, in endemic regions, malaria-transmitting mosquitoes are feeding on blood roughly every 2-3 days," says W. Robert Shaw, a lead author of the study. "Our study shows that this natural behavior strongly promotes the transmission potential of malaria parasites, in previously unappreciated ways." The results show that an additional blood feed three days after infection with *P. falciparum* accelerates the growth of the malaria parasite, thereby shortening the incubation period required before transmission to humans can occur. Incorporating these data into a mathematical model across sub-Saharan Africa reveals that malaria transmission potential is likely higher than previously thought, making disease elimination more difficult.

(GENTRI... from page 1)
required to wear face masks and shields upon boarding.

Rep. Lou Ferrer IV of the Lone District of General Trias said the "Wag pu layo pa-ha to ready to transport or related state in opening new access roads in streets to ease of traffic flow in the area and install device (jergany and bicycle helmets in the city."

Department of the Interior and Local Government (DILG) Cavite provincial director Liand Dhalog was also guest in the said meeting and presented some experience of the Covid situation in the country. "Based on the study, there is new variant of Covid-19 variant of Covid-19. Wag pu layo pa-ha transport or related sa panahon ngayon. Ugalan pu natip sa tumutal sa guidelines. Hindi pu silanyan ang puco reklamo" Dhalog said.

"Having pu natip alambitan ang bearing ng quarantine sa Province Rodrigo Roa Duterte announced that Cavite will remain under modified general community quarantine (MGCQ) mode until January 31, 2021," he added.

The DILG also heeded to Gen. Duterte City the new LGU Award "in the conduct of contact tracing to the province as proof of diligence in work and commendable performance in the protection of the citizenry to prevent the spread of coronavirus and exemplary action to control the transmission of the virus, provide financial and material support to his local office, a performance worthy of recognition and commendable adherence to the high standard of public service."

(FIRE... from page 1)
of the law.
Eight trucks from the Bureau of Fire Protection (BFP) and 21 trucks from various groups and other local government units (LGUs) responded.

EXTRAJUDICIAL SETTLEMENT OF THE ESTATE OF CRISPINO LICATA TORRES WITH DEED OF ABSOLUTE SALE

NOTICE is hereby given that the estate of the late **CRISPINO LICATA TORRES** who died testate on January 1, 2015 at Capitol Highway, Pattani, Oregon, U.S.A., consisting of a 1/2 conjugal share in the following properties:

a. A parcel of land situated in the Brg. of Lantoran, Mun. of Zamboanga, Prov. of Cotabato, in all Lantoran, and covered by TCT No. 057-2011005034, consisting an area of **THIRTY FIVE (35) square meters.**

b. A residential house situated on the above-described parcel of land more particularly described under Tax Declaration No. 273012009551.

has been adjudicated and extrajudicially settled by and among the heirs as follows:

- 1/2 share - **ERLINDA TORRES**
- 1/2 share - to be divided equally per section, among **ARACEL TORRES, MILDRED TORRES, MIGUEL TORRES, ANGELINA TORRES, THEO TORRES, MICHAEL J. TORRES, JOSEPHINE TORRES, RICHARD TORRES, MARK TORRES, EVELYN TORRES, FRANCIS TORRES, CHRISTOPHER TORRES, CLARA E. TORRES, and Angelina Torres.**

For full and comprehensive of the amount of **EIGHT THIRTY TWO THOUSAND SEVEN HUNDRED THIRTY TWO (P80,322.00)** Pesos, **SOLEDAD TORRES, CHRISTOPHER TORRES** the said parcel of land and residential house situate in **BARANGAY GENERAL TRIAS, PROVINCE OF CAVITE, ISLAND OF LUZON** in Volume 4-200 in **Slip, Certificate before Notary Public** No. 2000-1-14000 and covered in the **Special Register** at Doc. No. 214, Page No. 90, Book No. 11, Series of 2000.

Signed **ANGELITO TORRES** for himself and as Attorney-in-Fact for the other heirs.

Forwitness: **GEORGE MABTENVO**
Date: December 14, 2020 & 20, 2020

AFFIDAVIT OF SELF ADJUDICATION

NOTICE is hereby given that the estate of the late **RAFAEL K. BAYAD** who died testate on June 10, 2005 at Calicut, Nueva Ecija, consisting of a parcel of land covered by TCT No. 217224 located at **Barrio, Woodrow, Kauri, Province of Cavite, consisting of one of the divided and duly adjudicated shares, more or less, has been self adjudicated by the said late **REYNALDO SALDANA** on October 9, 2020 in City of Manila, Philippines before Notary Public **George M. Mabtenvo** and entered in the **Special Register** at Doc. No. 470, Page No. 40, Book No. 12000, Series of 2020.**

Signed **Reynaldo Saldaña**
Forwitness: **GEORGE MABTENVO**
Date: December 14, 2020 & 20, 2020

No guy has a magic.
Magic is in the heart of the girl
loving the guy who can send
her whole being up in 'Cloud
Nine' even with the mere touch
on her fingertips.
Arnold S. Buzon

**REPUBLIC OF THE PHILIPPINES
FOURTH JUDICIAL REGION
REGIONAL TRIAL COURT
OFFICE OF THE CLERK OF COURT
TRUCK MARIYTES CITY**

RDO UNIBANK, INC.,
Mortgagee.
Foreclosure Case No. F-044-20

JUNREY REVILLA DASIG, AS REPRESENTED BY HIS ATTORNEY-IN-FACT, ELIZABETH REVILLA DASIG,
Mortgagee.

NOTICE OF EXTRA-JUDICIAL SALE

Upon Extra-Judicial Petition for Sale under Act 3135, as amended by Act 4138, filed in Mortgage, **RDO UNIBANK, INC.**, with business address at **RDO Corporate Center, 7999 Makati Avenue, Makati City** against the Mortgagee, **JUNREY REVILLA DASIG, AS REPRESENTED BY HIS ATTORNEY-IN-FACT, ELIZABETH REVILLA DASIG**, with residence and postal addresses at (1) **Lot 38 Block 1, Kensington 7, Lancaster New City, Brgy. Navarra, Gen. Trias, Cavite**; (2) **Lot 37, Block 1, Kensington 7, Brgy. Navarra, Gen. Trias, Cavite**; and (3) **No. 114-B, Juleid Homes 1, Subd. Med. Town, 4103 Cavite**, to satisfy the mortgage indebtedness as of **31 January 2020** amounting to **ONE MILLION EIGHT HUNDRED SEVENTY NINE THOUSAND FOUR HUNDRED SEVENTY TWO PESOS & 77100 (P1,879,472.37)**, Philippine Currency, including interest, penalties, and other charges as of said date but exclusive of all other expenses incidental to the foreclosure and sale, the undersigned himself with all at public auction on **February 23, 2021 at 10:00 o'clock in the morning** at the same entrance of the Government Center Bldg. located at the Provincial Capitol Compound, **Truck Mariytes City**, in the highest bid of CASH and as Philippine Currency, the following described property with all the improvements thereon, to-wit:

TRANSFER CERTIFICATE OF TITLE No. PC-0220000

LOT NO. 39 BLOCK - 1 PLAN NO. PCS-04-021223
PORTION OF BLK. 14, PSD-04-212091 AND LOT 1006, SPONE (PSS-04-005111)
LOCATION: BARANGAY OF NAVARRO, MUNICIPALITY OF GENERAL TRIAS, PROVINCE OF CAVITE, ISLAND OF LUZON

BOUNDARIES:

LINE	DIRECTION	ADJOINING LOTS:
1-2	NW	ROAD LOT 8, PCS-04-028221
2-3	NE	LOT 37, BLOCK 1, PCS-04-028223
3-4	SE	LOT 36, BLOCK 1, PCS-04-028223
4-1	SW	LOT 39, BLOCK 1, PCS-04-028223

AREA / FORTY ONE SQUARE METERS (41.00) MORE OR LESS.

All stated facts must be submitted to the undersigned on the above stated time and date.

In the event the public auction should not take place on the said date and time, it shall be held on **March 04, 2021** without further notice.

Prospective Bidders/ Buyers are hereby required to investigate for themselves the title to the land and property and encumbrances thereon, if any there be.

Done **Truck Mariytes City**, December 15, 2020.
Sgd. **REYNALDO S. SALDANA**
Clerk of Court

Copy Forwarded:
RDO UNIBANK, INC.,
HRM MANAGEMENT GROUP REGIONAL MANAGEMENT UNIT
127 Floor, RDO South Tower, RDO Corporate Center
7999 Makati Avenue, Makati City 1205

JUNREY REVILLA DASIG and **ELIZABETH REVILLA DASIG**
(1) Lot 38 Block 1, Kensington 7, Lancaster New City, Brgy. Navarra, Gen. Trias, Cavite
(2) Lot 37, Block 1, Kensington 7, Brgy. Navarra, Gen. Trias, Cavite
(3) No. 114-B, Juleid Homes 1, Subd. Med. Town, 4103 Cavite

WARNING: IT IS UNLAWFUL TO ENGAGE IN ANY OBSTACLES OR OBSTRUCTION TO THE EXTRA-JUDICIAL SALE ON OR BEFORE THE DATE OF SALE.

Forwitness: **GEORGE MABTENVO**
Date: December 14, 2020 and January 4, 2021

New virtual screening strategy identifies existing drug that inhibits COVID-19 virus

A novel computational drug screening strategy combined with lab experiments suggest that pre-emergent, a chemotherapy medication originally developed to treat lymphoma, could potentially be repurposed to treat Covid-19. Haijing Zhang of the Shenzhen Institutes of Advanced Technology in Shenzhen, China, and colleagues present these findings in the open-access journal **PLoS Computational Biology**.

With the Covid-19 pandemic causing illness and death worldwide, better treatments are urgently needed. One shortcut could be to repurpose existing drugs that were originally developed to treat other conditions. Computational methods can help identify such drugs by simulating how different drugs would interact with SARS-CoV-2, the virus that causes Covid-19.

REPUBLIC OF THE PHILIPPINES
FOURTH JUDICIAL REGION
REGIONAL TRIAL COURT
OFFICE OF THE CLERK OF COURT
TRINIDAD MARTINEZ CITY

SECURITY BANK CORPORATION
Mortgages

FORECLOSURE CASE NO. F-1A-20

EVANGELINA DELA CRUZ ORO
Mortgages

NOTICE OF EXTRA-JUDICIAL SALE

Agree Extra-Judicial Parties for Sale under Act 3333, as amended by Act 4138, filed by Mortgagee, SECURITY BANK CORPORATION, with business address at Security Bank Center Building, 4756 Ayala Avenue, Makati City against the Mortgages, EVA DELA CRUZ ORO, with residence and postal address 518 RAFFLES STREET, BRGY. 173, ZONE 16, DISTRICT 1, TOROJO MANILA AND EDHINGTON PHASE 2 BLOCK 2 LOT 44, BRGY. NUBAERO, GENERAL TRIAS CAVITE to satisfy the mortgage obligations which as of 30 October 2019 amount to THREE HUNDRED NINETEEN THOUSAND TWO HUNDRED FORTY FOUR PESOS AND 11/100 (P319,244.11), Philippine Currency, including interest, penalties, and other charges as of said date but exclusive of all other expenses incurred in the foreclosure and sale. The auctioned items will sell at public auction on February 23, 2021 at 10:00 o'clock in the morning, at the public square of the Government Center Building located at the Provincial Capitol Compound, Trias-Martinez City, in the highest bidder for CASH and in Philippine Currency, the following described property with all the improvements thereon, to-wit:

TRANSFER CERTIFICATE OF TITLE NO. 97-310708

Lot No. 44 Block No. 2 Plot No. Pcs 04-252127
Portion of B.L.E. 14, PSC-04 (2089) AND LOT 169, SITE# PSC-04-057111)
Landing BARANGAY OF NABUERO, MUNICIPALITY OF GENERAL TRIAS,
PROVINCE OF CAVITE, ISLAND OF LUZON

Dimensions	CONTOUR	ADJACENT TO	LOT(S)
1-2	SE	ROAD LOT C, P.C.S-04-052327	
1-3	SW	LOCAL BLOCK 2, P.C.S-04-052327	
3-4	SW	LOT 169, SITE#	
4-4	NE	LOT 42, BLOCK 2, P.C.S-04-052327	

Area: THIRTY EIGHT SQUARE METERS OR MORE OR LESS

All aforesaid lots shall be offered to the undersigned or his assignee and shall be sold in one lot or in two or more lots, at the public auction which shall take place on the said date and time, it shall be held on March 04, 2021 without further notice.

Prospective bidders/bidders are hereby advised to investigate for themselves the title to the said property and improvements thereon, if any there be.

Trias-Martinez City, December 31, 2020. (Sgd): EVANGELINA DELA CRUZ ORO

Clerk Foreclosed

SECURITY BANK CORPORATION
LAW OFFICE
LAW OFFICE
LAW OFFICE

Evangelina Dela Cruz Oro
4756 Ayala Avenue, Makati City

WARNING: It is absolutely prohibited to accept, deliver or deliver the notice of Extra-Judicial Sale on or before the date of sale.

Publication: DIWAGO KABITERYO
Date: December 21, 20, 2020 and January 4, 2021

NOTICE OF EXTRA-JUDICIAL SETTLEMENT OF ESTATE

NOTICE is hereby given that the estate of the late TERENTA GUTIERREZ MADLANGATAY who died intestate on December 11, 2017 at 144 Malibyo Village Street, Caron, BELLA GUTIERREZ ATLAS who died intestate on December 20, 2017 at East Avenue Medical Center, Quezon City and EMILITO RODRIGUEZ GUTIERREZ who died intestate on August 15, 1994 at 1075 Sgt. Laguna St., Wawa, Marikina, Rizal, Caron, consisting of one (01) real share of the parcel of land located at Dookeran, Kapan, Caron consisting an area of one thousand eighty three (1,283) square meters, more or less, covered by Transfer Certificate of Title No. TCT-S-241081 AD-071-2004-03477/0477 issued by the Registry of Deeds for the Caron City has been adjudicated and extrajudicially settled by and among them heirs or one of the children, particularly to CARYEN SOOGLANG-DOMBOREZ for the share of Terenta, to LEONARDO DOMBOREZ ATLAS for the share of 2004, to RICHARD GUTIERREZ QUIJANAN for the share of Emilio on December 14, 2020 at Caron City, Caron, Philippines before Notary Public Mg. Carlos Emmanuel C. Manzano and entered in the National Register at Doc. No. 130 Page No. 24 Book No. XXXVII Series of 2020.

(Sgd): AB Soto

Publication: DIWAGO KABITERYO
Date: December 21, 20, 2020 and January 4, 2021

EXTRA-JUDICIAL SETTLEMENT OF THE ESTATE OF THE DECEASED AGAPITO C. UMING

NOTICE is hereby given that the estate of the deceased AGAPITO C. UMING who died intestate on December 23, 2019 at Caron City, Philippines, consisting of Savings Account with Land Bank of the Philippines (LBP) Caron City Branch, with Account No. 2112-000079 has been adjudicated and extrajudicially settled by and among his heirs or legal share pro-rata on December 17, 2020 at City of Caron, Philippines before Notary Public Mg. Erik T. Arguing and entered in the National Register at Doc. No. 130 Page No. 47 Book No. 5 Series of 2020.

(Sgd): AB Soto

Publication: DIWAGO KABITERYO
Date: December 21, 20, 2020 and January 4, 2021

College football players: Underestimating risk of injury and concussion

College football, December 28, 2020
players may under-estimate their risk of injury.

injury and concussion, according to a new study published by researchers at the University of Colorado School of Medicine and member of the CU Center for Bioethics and Humanities, is the corresponding author of the article, "Accuracy of US College Football Players' Estimates of Their Risk of Concussion or Injury."

Enough and co-authors report on survey results of 298 college football players from five teams in the Power 5 Conference of the National Collegiate Athletic Association. Athletes were surveyed in 2017. The researchers found that between 45 percent and 50 percent of respondents underestimated their risk of injury and between 42 percent and 63 percent underestimated their risk of concussion.

To measure the accuracy of football players' risk perceptions, the researchers modeled individual athletes' probabilities of sustaining a concussion or injury and compared model estimates to athletes' perceptions.

College football players may under-estimate their risk of injury and concussion, according to a new study published by researchers at the University of Colorado School of Medicine and member of the CU Center for Bioethics and Humanities, is the corresponding author of the article, "Accuracy of US College Football Players' Estimates of Their Risk of Concussion or Injury."

To measure the accuracy of football players' risk perceptions, the researchers modeled individual athletes' probabilities of sustaining a concussion or injury and compared model estimates to athletes' perceptions.

Republic of the Philippines
Province of Cavite
Municipality of Maragondon
Office of the Municipal Civil Registrar

NOTICE TO THE PUBLIC

CEN-424-1912 Date: December 2, 2020

In Compliance with the publication requirements and pursuant to OCRG Memorandum Circular No. 2012-1, Guidelines in the Implementation of the Administrative Order No. 1, Series of 2012 (OR on R.A. 10172), Notice is hereby served to the public that the Name of Document Owner has filed with this Office a petition for CHANGE OF FIRST NAME from "RUBENITO" to "ELIAND" in the certificate of live birth of "ROSELITO CAMACHO JOYA" who was born on **May 18, 1961** in Maragondon, Cavite and whose parents are Cirilino Sanchez Jara and Natalina Camacho.

Any person adversely affected by said petition may file his written opposition with this Office not later than **January 11, 2021**.

(Sgt.) LEONORA V. LOYOLA
Municipal Civil Registrar

DIYAKYO KABITENYO - December 24, 2020 and January 4, 2021

Republic of the Philippines
Province of Cavite
Municipality of Maragondon
Office of the Municipal Civil Registrar

NOTICE TO THE PUBLIC

CCE-424-RA-1912 Date: December 18, 2020

In Compliance with the publication requirements and pursuant to OCRG Memorandum Circular No. 2012-1, Guidelines in the Implementation of the Administrative Order No. 1, Series of 2012 (OR on R.A. 10172), Notice is hereby served to the public that the Name of Document Owner has filed with this Office a petition for CORRECTION OF GENDER/SEX from "FEMALE" to "MALE", in the certificate of live birth of **SHERVYN CONTRANO DE MESA** who was born on **December 8, 1990** in Maragondon, Cavite and whose parents are Auguste Magallon De Mesa and Teresita Maria Contrano.

Any person adversely affected by said petition may file his written opposition with this Office not later than **January 11, 2021**.

(Sgt.) LEONORA V. LOYOLA
Municipal Civil Registrar

DIYAKYO KABITENYO - December 26, 2020 and January 4, 2021

AFFIDAVIT OF SELF-ADJUDICATION WITH ABSOLUTE SALE

NOTICE is hereby given that the estate of the deceased **CRISPINO LICUAC TORRES** who died testate on January 6, 2015 in Capatzen Highway, Portland, Oregon, USA, consisting of 1/2 acre of land in the following properties:

a. One-half (1/2) share (AT 3 sq.m.) in a parcel of land situated in Barrio de Linares, Muc. of Dasmariñas, Puro of Cavite, No. of Lot(s), covered by TCT No. 057301181434, consisting an area of **MINETY-PIVE (95) SQUARE METERS**.

b. One-half (1/2) share in a residential house situated in the above-mentioned parcel of land and covered by Tax Declaration 227001200955.

has been self-adjudicated by her sole heir (Granda Only Felix Torres) and the act in consolidation of the amount of Eight Hundred Thousand Pesos (P800,000.00), she does hereby SELL, TRANSFER, and CONVEY unto Rachel Canon Tumbang the same properties (1/2 acre of land and the 1/2 acre of house of her deceased husband) on October 2, 2020 in Silang, Cavite, Philippines before Notary Public Atty. Daisy E. Nolasco and entered in her Notarial Register as Doc. No. 197, Page No. 31, Book No. XIV, Series of 2020.

(Sgt.) **Adrian Tumbang**

Publication: DIYAKYO KABITENYO
Date: December 28, 2020, January 4-8, 11, 2021

Republic of the Philippines
Province of Cavite
Municipality of Maragondon
Office of the Municipal Civil Registrar

NOTICE TO THE PUBLIC

CCE-424-RA-1912 Date: December 18, 2020

In Compliance with the publication requirements and pursuant to OCRG Memorandum Circular No. 2012-1, Guidelines in the Implementation of the Administrative Order No. 1, Series of 2012 (OR on R.A. 10172), Notice is hereby served to the public that the Name of Document Owner has filed with this Office a petition for CORRECTION OF GENDER/SEX from "MALE" to "FEMALE", in the certificate of live birth of **BELLY JEAN MANALO** who was born on **January 4, 1982** in Maragondon, Cavite and whose parents are Eugene Archibald Manalo and Eugenia Chiquitona Tumbang.

Any person adversely affected by said petition may file his written opposition with this Office not later than **January 11, 2021**.

(Sgt.) LEONORA V. LOYOLA
Municipal Civil Registrar

DIYAKYO KABITENYO - December 26, 2020 and January 4, 2021

REPUBLIC OF THE PHILIPPINES
PROVINCE OF CAVITE
MUNICIPALITY OF SAAC
NOTICE TO THE PUBLIC

CEN-444-1020 R.A. 9848
CCE-444-1024 RA 10172

In compliance with the publication requirements and pursuant to OCRG Memorandum Circular No. 2012-1, Guidelines in the Implementation of the Administrative Order No. 1, Series of 2012 (OR on R.A. 10172), Notice is hereby served to the public that **JERRY BALTAZAR ERNE** has filed with this Office a petition for CHANGE OF FIRST NAME from "JENNY" to "JERRY" and CHANGE OF GENDER from "FEMALE" to "MALE" in his Certificate of Live Birth and whose parents are FRANCISCO ERNE and LEONIDA P. BALTAZAR.

Any person adversely affected by said petition, may file his written opposition with this Office not later than **January 11, 2021**.

(Sgt.) **GLORIA P. BAGO**
Municipal Civil Registrar

DIYAKYO KABITENYO - December 26, 2020 and January 4, 2021

drug administration of parasitic filarial worm
a few repeatedly recycled drugs, which can
lead to reduced efficacy and the emergence
of drug resistance.

Chronic infections of schistosomiasis, onchocerciasis and lymphatic filariasis can be fatal. Schistosomiasis is caused by the blood flukes Schistosoma haematobium and S. mansoni. Onchocerciasis, or river blindness, is caused by the parasitic worm Onchocerca volvulus. Lymphatic filariasis, also called elephantiasis, is caused by the

Wuchereria bancrofti. In the new work, Dorcas Osei-Sale of the University of Ghana and colleagues obtained - from the Ghana Federation of Traditional Medicine Practitioners - 15 traditional medicines used for treating STDs in local communities. The medicines were available in squares herbal preparations or dried powdered herbs. In all cases, crude extracts were prepared from the herbs and screened in the laboratory for their ability to treat routine STDs.

Traditional Ghanaian medicines show promise against tropical diseases

The discovery of Africa and around the world, new drugs is vital to achieving the eradication of neglected tropical diseases (NTDs) in new drugs is vital to achieving the eradication of neglected tropical diseases (NTDs) in

... research work in the lab against neglected tropical diseases (NTDs) in

... medicines which endemic to Ghana. The major concern for NTDs in Ghana is currently seen

Social media safety messages: Pictures should match the words

When using social media to nudge people toward safe and healthy behavior, it's critical to make sure the words match the pictures, according to a new study. The Ohio State University researchers found that each second of viewing time on matched posts was associated with a 2.8% increase in a safety knowledge score.

After looking at social media posts, parents of young children were better able to recall safety messages such as how to put a baby safely to sleep when the images in the posts aligned with the messages. The researchers found that posts with mismatched images and written messages, they spent for longer on the matched posts — 5.3 seconds, compared to the 3.5 seconds their eyes lingered on the mismatched posts.

The study appeared in the journal of Health Communication.

"Many times, we scientists and safety experts aren't involved in decisions about social media for health agencies and other organizations, and we end up seeing images that

have nothing to do with the safety message or, worse, images that contradict the guidance," said lead author Liz Klein, an assistant professor at the Ohio State University. "Take the safe deep sleep example, for instance. The researchers found posts that advocated a bumper-free crib but a baby safely to sleep when the image of an infant in a crib with bumpers. They saw posts about preventing head injury with bike helmets

illustrated by pictures of kids without bike helmets. In this study, we were trying to understand how much those mismatches matter — do people understand the message even if the picture isn't right? Does the picture really matter?" Klein said. Their answers

came from research using eye-tracking technology to gauge the attention young parents paid to various parts, and subsequent tests to see what they recalled about the safety messages.

When the 150 parents in the study were shown a trio of posts with matched imagery and text and three other posts with mismatched visual and written messages, they spent for longer on the matched posts — 5.3 seconds, compared to the 3.5 seconds their eyes lingered on the mismatched posts. Further, the mismatched messages appeared to make a difference in understanding and recall of safety messages. After accounting for differences in health literacy and social media use among

participants, the researchers found that each second of viewing time on matched posts was associated with a 2.8% increase in a safety knowledge score.

"With nearly 70% of adults reporting use of social media, and many parents using social media and other internet sources to keep current on injury prevention strategies, social media is a great opportunity to broadcast safety and injury prevention messages," said study co-author Lara McKenna, a principal investigator in the Center for Injury Research and Policy at Nationwide Children's Hospital in Columbus.

"As more health organizations and public health agencies use social media to share health information with the public, the findings of our study underscore the need to ensure that the imagery and text in social media posts are aligned."

Klein said she

likely extend beyond child safety messaging to any number of health and safety campaigns, but that these "more work to be done to understand how best to harness the power of social media for different types of public health communication."

Klein said the findings in this study likely extend beyond child safety messaging to any number of health and safety campaigns, but that these "more work to be done to understand how best to harness the power of social media for different types of public health communication."

"We need to pay more attention to how we communicate with the people we're trying to influence with health and safety guidance. All of us can do a better job of thinking about how we use our social media accounts to contribute to better public health," she said.

"If you want people to put their medicine up and out of reach of children, kids to wear their bike helmets or new parents to remember that babies should always go to sleep on their backs, then make sure the images and text in your posts are sending the same message is more important."

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Blood vessel cells implicated in chronic inflammation of obesity

When fat cells in the body are stuffed with excess fat, the surrounding tissue becomes inflamed. That chronic, low-level inflammation is one of the driving factors behind many of the diseases associated with obesity. Now, UT South-

western scientists have discovered a type of cell responsible, at least in mice, for triggering this inflammation in fat tissue. Their findings, published in *Nature Metabolism*, could eventually lead to new ways to treat obesity.

"The inflammation of fat cells in obese individuals is linked to many of the health risks we associate with being overweight — such as diabetes, heart disease, and infection," said

While many studies have focused on the signaling molecules produced by the fat cells or immune cells in WAT that might contribute to inflammation, Gupta's team took a different approach. They focused instead on the vessels that carry blood — as well as immune cells and inflammatory molecules — into WAT.

In 2018, Gupta and his colleagues identified a new type of cell lining these blood vessels in mice — an adipose progenitor cell (APC), or precursor cell that gives rise to precursor mature fat cells. But unlike most APCs, the new cells — dubbed APCs with inflammatory progenitors, or FIPs — produced signals that encouraged inflamma-

tion. In the new work, the researchers looked more closely at the role of the FIPs in mediating inflammation.

Within just one day of switching young male mice to a high-fat diet, Gupta and his colleagues discovered that the FIPs quickly increased the number of inflammatory molecules produced. After 28 days on a high-fat diet, they found a substantial increase in the proportion of FIPs compared with other APCs.

"This is the first study to demonstrate that these cells play a very active, early role in being gatekeepers of inflammation in the gut," said Gupta.

To show that the increase in the number

and activity of the FIPs was not just a side effect of already-inflamed fat cells, the team removed a key immune signaling gene, *Tlr4*, from the FIPs in some mice. After five months on a high-fat diet, the mice lacking *Tlr4* had gained just as much weight, and just as much fat, as other mice on a high-fat diet. But the genetically engineered mice — with FIPs that could no longer generate the same signals — no longer had high levels of inflammation. Instead, the levels of inflammatory molecules in their WAT were closer to the levels seen in mice on low-fat diets.

Gupta and his colleagues were on to their findings that increasing

levels of a related signaling molecule, ZFP423, in FIPs can also ameliorate the inflammation in mouse fat cells. The findings point toward possible avenues to pursue to lower the risk of disease in people with obesity.

"It looks like ZFP423 could be an important brake in terms of slowing the inflammatory signals in these cells," says Gupta. "Of course, it remains to be seen if that's true in humans as well as mice."

Gupta's group is planning future experiments to better understand what aspect of a high-fat diet activates the increased inflammatory signaling in FIPs, as well as whether the results hold true in

Potential new RX strategy for stroke

Research conducted at LSU Health New Orleans Neuroscience Center of Excellence reports that a Health-patented drug and selected DHA derivatives is more effective in protecting brain cells and increasing recovery after stroke than a single drug.

During an ischemic stroke, signals are produced from arriving blood white cells and primary brain immune cells called microglia that cause neuroinflammation leading to a buildup of chemicals that harm the brain.

Nestor Bazan, MD, PhD, Boyd Professor of Neurology and Director of the Neuroscience Center of Excellence at LSU Health New Orleans School of Medicine, and Ludmila Belayer, MD, LSU Health New Orleans Professor of Neuroscience, found essential omega-3 fatty acid, monomers that disrupted the usual production of neuro-

protectin D1 (NPD1), a molecule that protects brain cells and promotes their survival. One complicating factor in developing neuroprotective strategies for stroke are the multiple routes and events that occur in the brain during a stroke, which has been approached mainly by monotherapeutic agents that were mostly unsuccessful.

Because no single therapy has proven effective in treating the complexity of stroke, the team aimed at two different events — blocking pro-inflammatory platelet-activating factor receptors (PAF-R) and activating cell-surface pathways.

testing to sort out the complexities of ADHD

The introduction of computer simulation to the identification of symptoms in children with attention deficit/hyperactivity disorder (ADHD) has potential to provide an additional objective tool to gauge the presence and severity of behavioral problems, Ohio State University researchers suggest in a new publication.

Most mental health disorders are diagnosed and treated based on clinical interviews and questionnaires — and for about a century, data from cognitive tests has been added to the diagnostic process to help clinicians learn more about how and why people behave in a certain way.

Cognitive testing to ADHD is used to identify a variety of symptoms and deficits, including selective attention, poor working memory, slowed time perception, difficulty

ties in maintaining attention and impulsive behavior. In the most common class of performance tests, children are told to either press a computer key or avoid hitting a key when they see a certain word, symbol or other stimulus.

For ADHD, however, these cognitive tests often don't capture the complexity of symptoms. The advent of computational psychiatry — combining a computer-simulated model of normal brain processes to dys-

functional processes observed in tests — could be an important supplement to the diagnostic process for ADHD, the Ohio State researchers report in a new review published in the journal Psychological Bulletin.

The research team reviewed 30 studies of cognitive tests for ADHD and described how three common

types of computational models could supplement these tests.

It is widely recognized that children with ADHD take longer to make decisions while performing tasks than children who don't have the disorder, and tests have relied on average response times to explain the difference. But there are intricacies to that dysfunction that a computational model could help propose, providing information clinicians, parents and teachers could use to make life easier for kids with ADHD.

"We can use models to simulate the decision process and see how decision-making happens over time — and do a better job of figuring out why children with ADHD take longer to make decisions," said Nadia Graybill, lead author of the review and a graduate student in psychology at Ohio State.

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