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

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

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3 held over alleged illicit cigarettes in Magallanes



Authorities confiscated 165 reams of alleged illicit cigarettes and arrested three suspects in Magallanes, Cavite on Oct. 4.

The Magallanes Municipal Police Station received information from a concerned citizen regarding cigarette products without the required graphic health warnings being delivered to Barangay Kabulusan.

Upon reaching the area, police officers caught two individuals unloading boxes of cigarette products from a car.

An inspection showed that the products did not have the required graphic health warnings.

Also at the scene was the alleged recipient of the cigarette products being delivered.

She later admitted that two more boxes of cigarettes were inside her residence, which were also included in the confiscated items. The total value of the seized illicit cigarettes was placed at P225,000.

The three suspects were arrested by the Magallanes Municipal Police Station and faced charges for economic sabotage and violations of the Graphic Health Warnings Law.

Expanded 4PH residential building in Dasma nears completion

The Expanded Pabahay para sa Pilipino (4PH), the country's flagship program for providing quality and affordable housing, had completed the structural construction of more residential buildings as the government continued its efforts to provide safe homes for Filipino families.

On Oct. 1, the Department of Human Settlements and Urban Development (DHSUD) and Pag-IBIG Fund completed the structural construction of two residential buildings at JAB Residences in Dasmariñas City, Cavite.

According to DHSUD, the residential project consists of 17 five-storey buildings, each containing 27-square-meter units priced at P1.5 million. The project is expected to provide at least 4,000 condominium-type housing units.

The topping-off ceremony, led by DHSUD Secretary and Pag-IBIG Fund Board Chairman Jose Ramon P. Aliling and Pag-IBIG Fund CEO Marilene C. Acosta, also marked the opening of National Shelter Month. The occasion highlights efforts by both the private and government sectors to provide decent, safe, affordable, and sustainable homes.

DIYARYO KABITENYO
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ARNULFO BARCO
(May 14, 1951 - September 2, 2024)
Founder

GENER BARCO
Publisher-Editor

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Rethinking breast cancer screening overdiagnosis

Breast cancer screening can sometimes identify cancers that would never have caused symptoms or threatened a woman's health during her lifetime—a phenomenon known as overdiagnosis, which has long been considered one of the potential drawbacks of screening.

For decades, researchers have debated how often overdiagnosis actually occurs, with estimates from randomized trials differing sharply and some studies suggesting that 30-50% of breast cancers detected through screening could fall into this category, figures that have influenced international discussions about both the benefits and possible harms of population-based breast cancer screening.

"The aim of our study was to bring together the evidence from all randomized controlled trials to get a clearer picture of the extent of overdiagnosis in breast cancer screening," says Sisse Helle Njor, professor at University of Southern Denmark and Lillebælt Hospital, who continues.

"Randomized trials have often been cited as evidence that overdiagnosis is a substantial problem. Our study shows that this interpretation is not as straightforward as it may seem."

To investigate the issue, the team combined and reanalyzed results from all eight randomized trials of mammography screening the New York Health Insurance Plan, Malmö, Two-County, Edinburgh, the Canadian National Breast Screening Study, Stockholm, Gothenburg, and UK Age and compared them with data from two regional screening programs in Denmark, examining both invasive breast cancer and ductal carcinoma in situ (DCIS).

Denmark offered a useful real world reference because organized breast cancer screening began in some regions 17 years earlier than in others, allowing researchers to track how breast cancer diagnoses changed immediately after screening was introduced and how those patterns evolved over longer periods. "When screening is introduced, the number of breast cancer diagnoses initially rises because cancers are detected earlier than they would have been without screening. Over time, this should be followed by a drop, as some of these cancers would otherwise have been diagnosed later.

This pattern can also be affected if women in either group continue to undergo screening after the trials had ended, which was common. If researchers do not take these factors into account, the initial increase can be mistaken for overdiagnosis," says Elsebeth Lynge, professor emerita at Department of Public Health, University of Copenhagen.

By comparing breast cancer incidence at matching points in time in the randomized trials and in Denmark's routine screening programs, the researchers found that the additional breast cancer cases detected in randomized trials closely resembled patterns seen in Denmark, where overdiagnosis associated with screening is estimated to be below 5%.

Overdiagnosis occurs when screening detects a breast cancer that would never have become life-threatening or caused symptoms during a woman's lifetime meaning that without screening, the woman would never have known that the cancer was present and the definition can also include women who die from another cause shortly after receiving a breast cancer diagnosis, since screening may have offered little benefit because poor health or limited life expectancy meant that finding and treating the cancer was unlikely to improve health or extend life.

A key issue is that screening changes when a cancer is diagnosed: when mammography is introduced, more cancers are detected earlier, producing an initial rise in the number of diagnoses, and because some of those cancers would eventually have been found even without screening, diagnosis rates should later decline as those cases shift forward in time if a study ends before enough time has passed for that decline to become visible, researchers may incorrectly interpret some of the early increase as overdiagnosis, and estimates can also be distorted when women in control groups later receive screening themselves.

The new analysis suggests that accounting for these timing effects can substantially change estimates of how often mammography identifies cancers that would otherwise never have caused a problem. "Taken together, we believe some previous high estimates of overdiagnosis, which influenced screening guidelines and communication, were based on evidence before trial data had fully matured.

EXTRAJUDICIAL SETTLEMENT OF ESTATE of Late ROSA P. PANGILINAN and FLACIDO PANGILINAN

NOTICE is hereby given that the estate of the deceased **ROSA P. PANGILINAN** and **FLACIDO PANGILINAN** who both died intestate on July 27, 1942 and on October 29, 1940 both at General Emilio Aguinaldo, Cavite, consisting of a parcel of land located at Brgy. Batas-Dao, Gen. E. Aguinaldo, **Cavite,** covered by Tax Declaration No. 06-0005-00261, containing an area of ELEVEN THOUSAND THREE HUNDRED EIGHTY FIVE (11,385) SQUARE METERS has been adjudicated and extrajudicially settled by and between their heirs on April 21, 2021 at Trece Martires before Notary Public Atty. Agustin B. Cabredo and entered in his Notarial Register as Doc. No. 229; Page No. 53; Book No. VI; Series of 2021.

(Sgd.) **Both Heirs**

Publication : DIYARYO KABITENYO News Publishing Service
Dates : September 21, 28 and October 5, 2026

EXTRAJUDICIAL SETTLEMENT OF ESTATE OF DECEASED AURORA SANTARIN VIADO WITH WAIVER OF RIGHTS

NOTICE is hereby given that the estate of the deceased **AURORA SANTARIN VIADO** who died intestate on March 24, 2022 at Imus, Cavite, consisting of her one-third (1/3) undivided share over two (2) parcels of land including all the improvements constructed thereon covered by Transfer Certificates of Title Nos. T-447482 and T-330080 of **RD-Cavite** has been adjudicated and extrajudicially settled by and among her heirs with waiver of rights in favor of EVELYN S. VIADO and CORINA S. VIADO in pro-indiviso equal shares on August 7, 2026 at City of Imus, Cavite before Notary Public Atty. Carlos Emmanuel C. Montoya and entered in his Notarial Register as Doc. No. 86; Page No. 19; Book No. XX; Series of 2026.

Thumbmarked and signed by Heirs

Publication : DIYARYO KABITENYO News Publishing Service
Dates : September 21, 28 and October 5, 2026

Republic of the Philippines
OFFICE OF THE MUNICIPAL CIVIL REGISTRAR
Indang, Cavite

= =

In the matter of Change of First Name in the Certificate of Live Birth (SECPA) of

AGATON VIDALLO

CFN-0005-2026

ANTHONY S. VIDALLO
Petitioner

NOTICE OF PUBLICATION

There is a petition filed for the **change of first name** in Certificate of Live Birth **(SECPA)** of **AGATON VIDALLO** from **"AGATON"** to **"ANTHONY ".**

NOTICE IS HEREBY GIVEN that any interested person is cited to notify this office and show cause why the same should not be granted.

Let this NOTICE be published at least once a week for two (2) consecutive weeks in a newspaper of general circulation as required under Section 5 of Republic Act No. 9048.

(Sgd.) **MERCI A. CHAVEZ**
Municipal Civil Registrar

Publication : DIYARYO KABITENYO News Publishing Service
Dates : September 28 and October 5, 2026

EXTRAJUDICIAL SETTLEMENT OF ESTATE OF THE DECEASED SPOUSES ISIDRO PRODIGALIDAD VINZON AND FILOMENA DRAGON VINZON WITH WAIVER OF RIGHTS

NOTICE is hereby given that the estate of the deceased **SPOUSES ISIDRO PRODIGALIDAD VINZON** AND **FILOMENA DRAGON VINZON** who both died intestate on January 24, 2007 and on January 27, 2002 in Los Angeles, California and San Bernardino, California, respectively, consisting of certain parcel of land located at Caridad, **Cavite City** covered by Transfer Certificate of Title No. 071-T-9369 of the Registry of Deeds for Cavite City, containing an area of 1. TWO HUNDRED SIXTY SEVEN (267) SQUARE METERS, MORE OR LESS and 2. THIRTY-SIX SQUARE METERS (36), MORE OR LESS has been adjudicated and extrajudicially settled by and among their heirs with Waiver of Rights in favor of ROMEO D. VINZON on June 9, 2026 at Imus City, Cavite before Notary Public Atty. Carlos Emmanuel C. Montoya and entered in his Notarial Register as Doc. No. 464; Page No. 94; Book No. XVIII; Series of 2026.

(Sgd.) **ROMEO D. VINZON for himself and as Attorney-in-Fact of ESTRELLA VINZON LINCH, DELIA M. VINZON and ARMIDA R. VINZON**

Publication : DIYARYO KABITENYO News Publishing Service
Dates : September 21, 28 and October 5, 2026

EXTRAJUDICIAL SETTLEMENT OF THE ESTATE OF THE LATE FRANCISCO S. GARCIA and HENENA S. IGO WITH WAIVER OF RIGHTS

NOTICE is hereby given that the estate of the late **FRANCISCO SAMPOT GARCIA** and **HENENA SANCHEZ IGO** who both died intestate on 21 March 2007 at General Trias, Cavite and on 2 March 1993, respectively, both residents of Barangay San Francisco, General Trias City, Cavite at the time of their deaths, consisting of a parcel of agricultural land situated in the Bo. of Buenavista, Municipality of General Trias, Province of Cavite with an area of EIGHT THOUSAND ONE HUNDRED FIFTY TWO (8,152) square meters covered by Transfer Certificate of Title No. EP-339 under Tax Declaration No. 242-0015-09737 has been adjudicated and extrajudicially settled by and among their heirs in pro-indiviso equal shares with waiver of rights, interest and participation in favor of EMELITA IGO GARCIA on September 14, 2026 at Dasmarinas City, Cavite, Philippines before Notary Public Atty. Miriam S. Clorina and entered in her Notarial Register as Doc. No. 251; Page No. 51; Book No. 353; Series of 2026.

(Sgd.) **All Heirs**

Publication : DIYARYO KABITENYO News Publishing Service
Dates : September 21, 28 and October 5, 2026

RA10172 Form 10.1

Republic of the Philippines
Local Civil Registry Office
Province: Cavite
City/Municipality: Naic

NOTICE FOR PUBLICATION

In compliance with the publication requirement and pursuant to OCRG Memorandum Circular No. 2013-1 Guidelines in the implementation of the Administrative Order No. 1 Series of 2012 (IRR on RA10172), Notice is hereby served to the public that **NATIVIDAD V. CAYAS** has filed with this Office, a petition for **correction of clerical error to correct the child's date of birth** from **DECEMBER 25, 1956** to **DECEMBER 24, 1955** in the Certificate of Live Birth of **NATIVIDAD VIÑAS CAYAS** who was born on 25 December 1955 at Naic, Cavite and whose parent/s is/are TEOFILA TEJANO and GREGORIO VIÑAS.

Any person adversely affected by said petition may file his written opposition with this Office not later than **12 October 2026.**

(Sgd.) **MARGARITA ACOSTA CATIBAYAN**
C/MCR or D/CR

Publication : DIYARYO KABITENYO News Publishing Service
Dates : September 28 and October 5, 2026

The hidden hazard in fresh scents: How cleaning fills homes with nanoparticles

The comforting aromas of citrus, pine, and floral blossoms are universally associated with cleanliness. When we spray a lemon-scented cleaner or wipe down surfaces with a lavender-infused product, we interpret the pleasant smell as a sign that a space has been sanitized and refreshed. However, research led by Brandon Boor, an Assistant Professor of Civil and Construction Engineering at Purdue University, reveals a darker reality: these familiar scents are often the byproduct of rapid chemical reactions that generate invisible, harmful air pollution.

Presented at the fall meeting of the American Chemical Society (ACS) during the symposium "Healthy Indoor Spaces: Bridging the Microbiome and Chemistry," Boor's findings indicate that fragrance compounds from both conventional cleaners and botanical essential oil products react with indoor ozone to produce nanoparticles. These extremely small particles can penetrate deep into the human respiratory system, posing health risks that are often overlooked because they are invisible to the naked eye.

The Chemistry of Scent and Ozone

Scientists have long understood that certain organic compounds released by plants, known as terpenes, can react with ozone in the atmosphere. For example, pinene, a compound found in pine trees, reacts with ozone to form tiny airborne particles. In outdoor environments like forests, this process occurs relatively slowly because the concentration of terpenes is generally low. Over time, these particles can grow large enough to seed

Turn to page 4

RA9048 Form 10.1

Republic of the Philippines
Local Civil Registry Office
Province: Cavite
City/Municipality: Tanza

NOTICE FOR PUBLICATION

In compliance with Section 5 of RA9048, a notice is hereby served to the public that Leonora T. Mercado has filed with this Office, a petition for **Change of First name** from **AGAPITA** to **LEONORA** in the birth certificate of **Agapita Tamio Mercado** who was born on 16 March 1968 at Tanza, Cavite and whose parent/s is/are Tamio, Lucila, Torres and Mercado, Roberto, Del Pilar.

Any person adversely affected by said petition may file his written opposition with this Office not later than **12 October 2026.**

(Sgd.) **OFELIA UBALDO ARGUSON**
C/MCR or D/CR

Publication : DIYARYO KABITENYO News Publishing Service
Dates : September 28 and October 5, 2026

Republic of the Philippines
Local Civil Registry Office
Province: Cavite
City of: Cavite

Date: September 29, 2026

NOTICE TO THE PUBLIC

In compliance with the publication requirement and pursuant to OCRG Memorandum Circular No. 2013 - 1 Guidelines in the implementation of the Administrative Order No. 1 Series of 2012 (IRR on R.A 10172), Notice is hereby served to the public that **MICHELLE D.T. RAMOS** has filed with this Office, a petition for **correction of clerical error in the entry of sex** from **"FEMALE"** to **"MALE"** in the certificate of live birth of **EDGARDO MIGUEL RAMOS PORTACIO** at Cavite City and whose parents are **EDGIE B. PORTACIO AND MICHELLE D.T. RAMOS.**

Any person adversely affected by said petition may file his written opposition with this Office.

(Sgd.) **FLORDELIZA M. ALEJO**
OIC-City Civil Registrar

Publication : DIYARYO KABITENYO News Publishing Service
Dates : October 5 & 12, 2026

Republic of the Philippines
OFFICE OF THE MUNICIPAL CIVIL REGISTRAR
Indang, Cavite
= =

In the matter of Change of First Name in the Certificate of Live Birth (SECPA) of

JOSEFINA LUMAGUI SAMBRANO

CFN-0006-2026

JOSEPHINE S. PEJI
Petitioner

NOTICE OF PUBLICATION

There is a petition filed for the change of first name in Certificate of Live Birth **(SECPA)** of **JOSEFINA LUMAGUI SAMBRANO** from **"JOSEFINA"** to **"JOSEPHINE ".**

NOTICE IS HEREBY GIVEN that any interested person is cited to notify this office and show cause why the same should not be granted.

Let this NOTICE be published at least once a week for two (2) consecutive weeks in a newspaper of general circulation as required under Section 5 of Republic Act No. 9048.

(Sgd.) **MERCI A. CHAVEZ**
Municipal Civil Registrar

Publication : DIYARYO KABITENYO News Publishing Service
Dates : October 5 & 12, 2026

Republic of the Philippines
Province of Cavite
MUNICIPALITY OF MENDEZ-NUÑEZ
OFFICE OF THE MUNICIPAL CIVIL REGISTRAR

CCE-0051-2026 RA 10172

In compliance with the publication requirement and pursuant to OCRG Memorandum Circular No. 2013-1 Guideline in the Implementation of the Administrative Order No. 1 Series of 2012 (IRR on RA 10172), Notice is hereby served to the public that **NILO PEREY PERIDO** has filed with this Office, a petition for Correction of Clerical Error in Date of Birth from **NOVEMBER 08, 1974** to **NOVEMBER 07, 1974** in the Certificate of Live Birth of **NILO PEREY PERIDO** at Mendez, Cavite and whose parents are **JUAN G. PERIDO** and **YOLANDA S. PEREY.**

Any person adversely affected by said petition may file his written opposition with this office not later than **October 19, 2026.**

(Sgd.) **NOREN A. PEROLA**
Municipal Civil Registrar

Publication : DIYARYO KABITENYO News Publishing Service
Dates : October 5 & 12, 2026

RA9048 Form 10.1

Republic of the Philippines
Local Civil Registry Office
Province: Cavite
City/Municipality: Naic

NOTICE FOR PUBLICATION

In compliance with Section 5 of RA9048, a notice is hereby served to the public that **CARMELINA B. DIGAL** has filed with this Office, a petition for **Change of First name** from **CARLOTA** to **CARMELINA** in the birth certificate of **CARMELINA BERNAL DIGAL** who was born on 16 July 1967 at Naic, Cavite and whose parent/s is/are NENITA C. ROSAL and BENJAMIN B. BERNAL.

Any person adversely affected by said petition may file his written opposition with this Office not later than **19 October 2026.**

(Sgd.) **MARGARITA ACOSTA CATIBAYAN**
C/MCR or D/CR

Publication : DIYARYO KABITENYO News Publishing Service
Dates : October 5 & 12, 2026

RA10172 Form 10.1

Republic of the Philippines
Local Civil Registry Office
Province: Cavite
City/Municipality: Naic

NOTICE FOR PUBLICATION

In compliance with the publication requirement and pursuant to OCRG Memorandum Circular No. 2013-1 Guidelines in the implementation of the Administrative Order No. 1 Series of 2012 (IRR on RA10172), Notice is hereby served to the public that **NORINDA F. LANDONG** has filed with this Office, a petition for **correction of clerical error to correct the child's date of birth** from **JANUARY 18, 1964** to **JANUARY 13, 1964** in the Certificate of Live Birth of **NORINDA PELIÑA FRANCISCO** who was born on 18 January 1964 at Naic, Cavite and whose parent/s is/are VIRGINIA ILOG PELIÑA and JOSE AQUINO FRANCISCO.

Any person adversely affected by said petition may file his written opposition with this Office not later than **19 October 2026.**

(Sgd.) **MARGARITA ACOSTA CATIBAYAN**
C/MCR or D/CR

Publication : DIYARYO KABITENYO News Publishing Service
Dates : October 5 & 12, 2026

(THE...from page 3)

clouds, but the rate of formation is modest.

Indoors, the chemistry is drastically different. Scented cleaning products release high concentrations of terpenes such as pinene (pine), limonene (lemon), thymol (thyme), and linalool (lavender) when sprayed or applied to surfaces. Boor notes that airborne terpene concentrations inside a room during cleaning can rise to tens or even hundreds of times the levels typically found in a forest. When these high concentrations of terpenes encounter indoor ozone, the reaction accelerates, leading to intense nanoparticle formation.

Experimental Findings in the "Tiny House"

To study these reactions under realistic conditions, Boor and his colleagues conducted experiments in a model home on Purdue's campus. This "tiny house" featured a functional kitchen, wood flooring, and a bathroom, allowing researchers to simulate ordinary household cleaning activities. They tested both conventional liquid cleaners and botanical-based disinfectant sprays and wipes, using real-time, high-resolution measurements to monitor volatile organic compounds and nanoparticle size distributions.

The results were striking. Routine tasks such as mopping floors, spraying countertops, and wiping surfaces generated billions or trillions of nanoparticles, most measuring between 1 and 30 nanometers across. The nucleation rates (the speed at which new particles form)

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RA10172 Form 10.1

Republic of the Philippines
Local Civil Registry Office
Province: Cavite
City/Municipality: Naic

NOTICE FOR PUBLICATION

In compliance with the publication requirement and pursuant to OCRG Memorandum Circular No. 2013-1 Guidelines in the implementation of the Administrative Order No. 1 Series of 2012 (IRR on RA10172), Notice is hereby served to the public that **ARNULFO S. BATALLA** has filed with this Office, a petition for **correction of clerical error to correct the child's sex** from **FEMALE** to **MALE** in the Certificate of Live Birth of **ARCHE FORMON BATALLA** who was born on 12 August 2012 at Naic, Cavite and whose parent/s is/are CHERYL ADINIG FORMON and ARNULFO SUMALDE BATALLA.

Any person adversely affected by said petition may file his written opposition with this Office not later than **19 October 2026.**

(Sgd.) **MARGARITA ACOSTA CATIBAYAN**
C/MCR or D/CR

Publication : DIYARYO KABITENYO News Publishing Service
Dates : October 5 & 12, 2026

RA10172 Form 10.1

Republic of the Philippines
Local Civil Registry Office
Province: Cavite
City/Municipality: Rosario

NOTICE FOR PUBLICATION

In compliance with the publication requirement and pursuant to OCRG Memorandum Circular No. 2013-1 Guidelines in the implementation of the Administrative Order No. 1 Series of 2012 (IRR on RA10172), Notice is hereby served to the public that **Regino M. Abarracoso** has filed with this Office, a petition for **correction of clerical error to correct the child's sex** from (misplaced) **FEMALE** to **MALE** in the Certificate of Live Birth of **Regino Mendoza Abarracoso** who was born on 04 January 1994 at Rosario, Cavite and whose parent/s is/are Elisa Ebong Mendoza and Eleuterio Abaigar Abarracoso.

Any person adversely affected by said petition may file his written opposition with this Office not later than **19 October 2026.**

(Sgd.) **MARIA ROSARIO CONVENTO SORIANO**
C/MCR or D/CR

Publication : DIYARYO KABITENYO News Publishing Service
Dates : October 5 & 12, 2026

RA Form No. 10.0 (LCRO)

Republic of the Philippines
Office of the Municipal Civil Registrar
Rosario, Cavite

NOTICE FOR PUBLICATION

CFN-0012-2026

In compliance with the publication requirement and pursuant to OCRG Memorandum Circular No. 2013-1 Guidelines in the Implementation of the Administrative Order No. 1 Series of 2012 (IRR on R.A. 10172). Notice is hereby served to the public that **FLORINIA A. BOBADILLA** has filed in this office, a petition for ***Change of First Name*** from **BABY** to **FLORINIA** in the Certificate of Live Birth of **BABY AUSTRIA BOBADILLA** at Rosario, Cavite and whose parents are ***EDILBERTO BOBADILLA*** and ***ANGELITA AUSTRIA.***

Any person adversely affected by said petition may file his written opposition with this office not later than **19 October 2026.**

(Sgd.) **MARIA ROSARIO C. SORIANO**
Municipal Civil Registrar

Publication : DIYARYO KABITENYO News Publishing Service
Dates : October 5 & 12, 2026

AUCTION SALE

Sa ika-23 ng OKTUBRE 2026 ay isusubasta ang hindi natubos na sangla sa buwan ng MAYO 2026 sa mga sumusunod na sangay:

JARO PAWNSHOP AUCTION SALE

- Km. 17 Emilio Aguinaldo Highway, Tanzang Luma 2, City of Imus, Cavite (8:00 N.U.)
- Pintong Gubat, Paliparan 3, City of Dasmariñas, Cavite (11:30 N.U.)
- Blk. 55 Lot 7 Golden Mile, Brgy. Salawag, City of Dasmariñas, Cavite (11:30 N.U.)
- Wet Market, Buhay na Tubig, City of Imus, Cavite (8:00 N.U.)
- Kostal Wet & Dry Market, Anabu 2-D, City of Imus, Cavite (8:00 N.U.)
- 288 Bucandala 3, City of Imus, Cavite (8:00 N.U.)
- Bahayang Pag-Asa, Mariano Espeleta, City of Imus, Cavite (10:00 N.U.)
- Olivarez Plaza, San Jose, Tagaytay City (1:00 N.H.)
- Blk. 42-A Lot 2 Brookeside Lane, Brgy., San Francisco, General Trias, Cavite (8:00 N.U.)
- Purok 126, MMEM Bldg., Mendez Junction, West, Tagaytay City (10:00 N.U.)
- #3 Acacia St., Calendola, San Pedro, Laguna (1:00 N.H.)
- # 1 Blk. 8 Lot 15 Mabini St., Sto. Niño, San Pedro, Laguna (1:00 N.H.)
- Bldg. 2, Stall 6, Lapaz, Public Market, Iloilo City (10:00 N.U.)
- Lopez Jaena St., Poblacion, Iloilo City (8:00 N.U.)
- Buhay na Tubig, City of Imus, Cavite (8:00 N.U.)
- Mojica Bldg., San Agustin, Trece Martires City (2:00 N.H.)
- Jewelry Section #6, Imus Public Market, Tanzang Luma 1, City of Imus, Cavite (8:30 N.U.)
- #1 Aguinaldo Highway, City of Dasmarinas, Cavite (9:00 N.U.)
- 1172 Gen. Emilio Aguinaldo Highway, Bayan Luma 4, City of Imus, Cavite (8:00 N.U.)
- 0211 Molino III, City of Bacoor, Cavite (9:00 N.U.)
- 29 V. Toledo St., Silang, Cavite (11:30 N.U.)
- 51 C. Abueg St.,Poblacion, Rosario, Cavite (3:00 N.H.)
- J.P. Rizal St., Brgy. 3, Silang, Cavite (9:00 N.U.)
- Mariano Espeleta Public Market, Bahayang Pag-Asa, City of Imus, Cavite (8:30 N.U.)
- P. Burgos St., Caridad, Cavite City (3:00 N.H.)
- Tramo, Bantayan, Binakayan, Kawit, Cavite (3:30 N.H.)
- #50 Don P. Campos Ave. Zone 1 City of Dasmarinas Cavite (10:00 N.U.)
- 1 Mangubat St., Zone 3, City of Dasmarinas,Cavite (9:00 N.U.)
- Bldg. 2060.,ME Bucandala 3,City of Imus,Cavite (8:30 N.U.)
- General Trias Drive,Tejero, Rosario Cavite (11:30 N.U.)
- Joseph Orpiano Bldg., 130 CM, Delos Reyes St., Brgy. Mangahan, General Trias, Cavite (10:30 N.U.)
- Imus Public Market, Tanzang Luma 1, City of Imus,Cavite (9:00 N.U.)
- Blk.11 Lt.11 Congressional Rd.,Brgy. Burol 1,City of Dasmarinas,Cavite (9:30 N.U.)
- LDJ Congressional Road, Burol 1, City of Dasmarinas, Cavite (10:30 N.U.)
- Unit C, 110 Avenida St. Espeleta 1, Bahayang Pag asa, City Of Imus, Cavite (10:00 N.U.)
- #651 Bgry. Sabang , City of Dasmarinas, Cavite (1:00 N.H.)
- Stall #22, New Tanza Public Market, Daang Amaya 1,Tanza Cavite (2:00 N.H.)
- Blk.2 Lt.1 San Dionisio,City of Dasmarinas, Cavite (1:30 N.H.)
- GMA Central Market,Poblacion 1, General Mariano Alvarez, Cavite (2:30 N.H.)
- Stall 21 & 22 St., Anthony, Arcade Maderan, General Mariano Alvarez, Cavite (2:00 N.H.)
- Blk 16 Lot 1 Ph1, Greengate Homes, City of Imus, Cavite (10:30 N.U.)
- Dona Dionisia Subdivision, Bayan Luma 2, City of Imus, Cavite (10:00 N.U.)
- Blk 2 Lot 28 Palazzo Bello 1 Subdivision, Nia Road, City Of Imus, Cavite (11:00 N.U.)
- Mulingbayan Poblacion X, Nasugbu, Batangas (2:30 N.H.)
- Blk. 5 Lt 56 Tinyente Tiago, General Mariano Alvarez, Cavite (3:00 N.H.)
- D1-4 13 San Jose Market, General Mariano Alvarez, Cavite (3:00 N.H.)
- Km 17., Aguinaldo Highway, Panapaan 4, Bacoor, Cavite (11:30 N.U.)
- Ph1, Springville West, Molino III, Bacoor, Cavite (10:00 N.U.)
- Brgy. Paradahan 1, Tanza, Cavite (11:00 N.U.)
- De Ramon, Commercial Complex St., Augustine St., Poblacion 2, Tanza, Cavite (3:00 N.H.)
- Tanza public Market, Stall #15, Daang Amaya 1,Tanza, Cavite (3:30 N.H.)
- Gma Central Market, General Mariano Alvarez, Cavite (3:30 N.H.)
- #2 N Commercial & Services Corp., 0003 Unit C Advincula Ave., Alapan 2-B, City of Imus, Cavite (8:30 N.U.)
- 64 Imelda Ave., Brgy. Langgam, San Pedro, Laguna (3:00 N.H.)
- Stall # 6 Southville 3 Commercial Complex Fourth District, City of Muntinlupa (1:30 N.H.)
- #85 Don P. Campos Ave., Brgy. Sabang, City of Dasmarinas, Cavite (1:30 N.H.)
- 9005 National Road, Brgy. Riverside, City of San Pedro, Laguna (2:30 N.H.)
- Space # 2016-1 2F Festival Supermall,Alabang, Muntinlupa City (2:00 N.H.)
- Sitio Lontoc Brgy. Timalan Balsahan, Naic, Cavite (3:00 N.H.)
- Ground Floor Manggahan Gentri Supermarket (MGS) 129 Governor's Drive Manggahan 4107 General Trias Cavite (2:30 N.H.)

LANUZA & SONS -Auctioneer

(THE...from page 4)

and condensational growth rates exceeded typical outdoor values by orders of magnitude. Within just minutes of cleaning, nanoparticle concentrations in the indoor air surged transiently to levels that often surpassed those measured outdoors on busy roadways.

"One feature quickly stood out: many of the products people use to clean and disinfect indoor spaces contain strong fragrances," Boor explained. "But clean air should not smell like highly concentrated citrus fruit. It should not really smell of anything." The speed of the process is particularly concerning; by the time a person finishes cleaning, they have already inhaled a significant dose of these nanoparticles. Health Implications: The Respiratory Dose

The health risks associated with these nanoparticles stem from their minute size. Ultrafine particles (those under 100 nanometers) can bypass the body's natural defenses, settling throughout the respiratory tract and reaching deep regions of the lungs. Once there, they can cause irritation, inflammation, and potentially enter the bloodstream.

Boor emphasizes that the inhalation dose from indoor cleaning can be comparable to, or even greater than, the dose experienced by standing outside along a busy road. While the composition of these particles differs from vehicle exhaust, the total volume inhaled is significant. Crucially, these particles are often too small to be detected by standard home air quality monitors, leaving occupants unaware of the pollution they are breathing.

Family history determines how depression affects children's attention to faces

New research from Binghamton University, State University of New York, suggests that depression may influence how strongly children focus on emotional expressions such as happy or sad faces, a pattern that appears to differ depending on whether a child has a family history of depression.

Researchers at the Mood Disorders Institute study how depression develops in children and adolescents, with particular attention to how family history and emotional experiences may influence vulnerability over time, and as Brandon Gibb, director of the Mood Disorders Institute and SUNY distinguished professor of psychology, explains, "Most of the vulnerabilities that we focus on are still developing during this time period," noting that "You can catch things as they're developing, rather than only studying them once they're already there and pretty stable."

While earlier research has linked depression with greater attention to sad faces, those associations have generally been modest, and scientists have not been sure whether biased attention contributes to depression or develops because of it; the Binghamton study was designed to investigate that question by tracking both depressive symptoms and attention patterns over time, making it, according to lead author Kelly Gair, a PhD student at Binghamton, "the first study to examine how changes in each may predict later changes in the other among children."

Gair highlights the methodology, stating, "The real novel piece is that we looked at these transactional relations," adding, "Between attentional biases and depressive symptoms, we looked at the way that they were mutually predicting one another across the time points, which is especially novel and hasn't been done before." The research team, which also included Leslie A.

Brick from the University of New Mexico, followed 242 children and their mothers for two years with assessments every six months, during which children viewed pairs of faces on a screen—one neutral and one displaying an emotion (happy, sad, or angry)—while eye tracking technology measured which face held the child's attention and for how long, with children in the study looking at faces conveying different emotions onscreen and eye tracking technology recording where their attention veered (Photo credit: NimStim Set of Facial Expressions (Tottenham et al., 2009)).

The results suggest that increasing depressive symptoms do not affect every child's attention in the same way, with family history appearing to play an important role; among children whose mothers had a history of major depressive disorder, rising depressive symptoms were associated with greater attention to sad faces, meaning that as these children experienced more symptoms themselves, their attention became increasingly drawn toward expressions of sadness.

Gibb describes this phenomenon, stating, "For those who are already at risk, the more these children experience depression themselves, the more they lose their ability to pull their attention away from the sad things around them," while Gair reflects, "We know that when you're depressed, it changes what you pay attention to," suggesting that "these changes may be more long-lasting and may differ depending on family history," and proposing that "for children of mothers with depression, who are exposed to more facial displays of sadness from interactions with their mom, these types of facial expressions become even more salient when they experience depression themselves, so their attention becomes increasingly stuck on sad expressions."

A different pattern emerged among children whose mothers had no history of depression, as when depressive symptoms increased in these children, they did not become more focused on sad expressions but instead paid less attention to happy faces. Gibb explains this distinction, noting, "In our lower-risk children, what seems to be happening is that experiences of depression are eroding a protective factor, which is how much they pay attention to happy faces."

This distinction suggests that depression may alter emotional attention through different pathways depending on a child's underlying level of familial risk, meaning that for some children, sadness may become increasingly difficult to ignore, while for others, positive emotional signals may simply become less likely to capture their attention.

The researchers are continuing to follow the children as they enter adolescence, a period when the risk of developing depression increases for many young people, hoping to determine whether these early attention patterns are associated with a greater likelihood of receiving a depression diagnosis later on.

Researchers test non-invasive eye surgery using electric currents instead of lasers

Millions of Americans live with vision problems ranging from mild blurriness to severe vision loss, and while glasses and contact lenses can correct many common problems, some people turn to surgery for a more permanent solution.

Hundreds of thousands of Americans undergo corrective eye procedures each year, including LASIK, which uses a laser to reshape the cornea and improve how the eye focuses light, but now researchers are investigating a very different approach. Instead of cutting away corneal tissue with a laser, they are testing a technique that temporarily makes the cornea flexible enough to be reshaped, with early experiments using rabbit eye tissue suggesting the method could potentially correct vision in about a minute, without incisions and with much simpler equipment than LASIK requires.

The cornea is the clear, dome-shaped surface covering the front of the eye, playing a major role in vision by bending incoming light so it can be focused onto the retina, the light-sensitive tissue at the back of the eye, where the retina then converts that light into signals that the brain interprets as images.

When the cornea does not have the right curvature, light may not focus properly, causing refractive errors such as myopia, better known as nearsightedness, in which distant objects appear blurry. LASIK corrects these problems by using specialized lasers to remove extremely precise amounts of corneal tissue and change its shape, a procedure that is widely used and generally considered safe, but it still involves permanently removing tissue and can carry side effects and other risks.

Michael Hill, a professor of chemistry at Occidental College, puts it more bluntly: "LASIK is just a fancy way of doing traditional surgery. It's still carving tissue -- it's just carving with a laser."

That led researchers to consider a very different question: Could the cornea be reshaped without cutting it at all? Hill and collaborator Brian Wong are studying a technique called electromechanical reshaping (EMR), which, rather than physically removing tissue, uses a small electric potential to temporarily alter the chemical environment inside the tissue. "The whole effect was discovered by accident," explains Wong, a professor and surgeon at the University of California, Irvine. "I was looking at living tissues as moldable materials and discovered this whole process of chemical modification."

The approach takes advantage of the chemistry that helps tissues maintain their shape, noting that the cornea contains large amounts of collagen, a structural protein also found in skin, cartilage, tendons, and other tissues.

Within collagen-rich tissue, electrically charged components attract one another and help hold the structure firmly in place, and because these tissues also contain a large amount of water, applying an electric potential can change their pH, the measure of how acidic or basic something is.

Lowering the pH makes the tissue more acidic and temporarily weakens some of the electrical attractions that keep its structure rigid, creating a brief window during which the tissue becomes easier to reshape, after which, once its normal pH returns, those interactions are restored and the tissue can remain in its new form.

Researchers had previously used EMR to reshape cartilage-rich rabbit ears and to modify scars and skin in pigs, finding the cornea an especially intriguing target because its precise curvature determines how effectively the eye focuses light.

For the new experiments, the researchers built specialized platinum "contact lenses" designed to act as molds for the desired corneal shape, placing the lenses over rabbit eyeballs immersed in a saline solution intended to mimic natural tears.

Because platinum conducts electricity, the lens also functioned as an electrode, and when a small electric potential was applied, it produced a carefully controlled change in pH inside the cornea. Within about a minute, the curvature of the cornea shifted to match the shape of the platinum lens, a duration roughly comparable to the amount of time involved in the laser portion of LASIK, but with the experimental EMR method requiring no incision and potentially using simpler, less expensive equipment.

The researchers tested the method on 12 rabbit eyeballs, with ten treated as though they had myopia, or nearsightedness. In every one of those "myopic" eyes, EMR changed the cornea enough to reach the intended focusing power, representing a type of optical change that would be expected to improve vision if the same effect could eventually be reproduced safely in a living eye.

Importantly, the cells in the treated eyes survived the procedure, a feat the researchers achieved by carefully controlling the pH gradient so the chemical changes were large enough to reshape the cornea without causing excessive damage.

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New method tracks biologically active phosphorus in soil

Researchers have developed a simpler and less expensive method for measuring DNA-bound phosphorus (DNA-P), a biologically active form of this essential nutrient in soil, which could help scientists better understand how phosphorus moves through ecosystems and supports agriculture.

Phosphorus is critical for plant growth and food production, but the world's natural reserves are limited, making it vital to learn how the nutrient is stored, transformed, and released in soil to maintain fertile farmland while reducing waste and environmental damage.

In a study published in the Journal of Agricultural and Marine Sciences, an international team—including researchers from Sultan Qaboos University, the James Hutton Institute, and the Environment Authority of Oman refined a laboratory method to measure DNA-P, which forms part of the organic phosphorus pool connected to living microorganisms.

Because microbes continuously take up, transform, and release nutrients, this form of phosphorus offers insight into the biologically active portion of the soil phosphorus cycle.

The researchers tested and modified an existing analytical procedure, applying the improved version to 32 different soil types across the United Kingdom; the updated method proved easier to perform and less expensive while preserving the precision and sensitivity needed for reliable measurements.

A major improvement came from eliminating unnecessary enzyme treatments, though ultrafiltration remained crucial for separating DNA-P from other phosphorus-containing compounds to ensure accuracy.

Although DNA-P constituted only a small share of total organic phosphorus in the studied soils, its concentration showed strong relationships with important soil properties such as pH, microbial biomass phosphorus, organic matter content, and phosphorus dissolved in soil water.

These connections suggest that DNA-P is more closely associated with living soil microorganisms than with long-lasting, stable phosphorus reserves, providing a useful window into the active part of the phosphorus cycle influenced by microbial life.

Feline cancer study opens genetic "Black Box" for both cats and humans

Scientists have taken a major step toward understanding cancer in cats, opening what researchers once described as a genetic "black box." In a large international study published in Science, researchers genetically analyzed cat cancers on a scale that had not been attempted before, potentially improving cancer care for cats while also helping scientists better understand how some cancers develop in humans and other animals.

The researchers also created a freely available resource that other scientists can use to study the genetics of feline cancer. Cancer is one of the leading causes of illness and death in cats, yet scientists have historically known far less about the genetic changes behind feline tumors than they do about cancers in humans or dogs.

Dr. Geoffrey Wood, a University of Guelph pathobiology professor and co-senior author of the study, said that gap has now begun to close. "Despite domestic cats being common pets, there was very little known about the genetics of cancer in these animals," Wood says, "until now." Researchers examined tumor samples from almost 500 domestic cats in five countries, searching for mutations and other genetic changes that help cancers form and grow.

Many cancers are driven by changes in certain genes that normally help control how cells grow, divide, repair damage, or die; when these genes are altered, cells can begin multiplying uncontrollably, and scientists often refer to genes that contribute directly to tumor growth as cancer driver genes.

The team found that many of the driver genes involved in cat cancers were also familiar from human and dog cancers. One of the clearest examples appeared in aggressive mammary cancers, which arise in breast tissue.

The most common driver gene found in cat mammary tumors was FBXW7, with more than 50 percent of the tumors examined carrying a mutation in this gene. FBXW7 normally helps regulate proteins involved in cell growth and division, but when the gene is damaged, some of those growth-promoting proteins can accumulate, potentially helping cancer cells survive and spread.

In humans, mutations in the FBXW7 gene in breast cancer are associated with worse prognosis—paralleling the change seen in cats. Researchers also identified similarities between cat and human cancers affecting the blood, bones, lungs, skin, gastrointestinal system, and central nervous system.

The similarities may be especially useful because domestic cats often live in the same environments as people. Cats can encounter some of the same environmental factors as their owners, including household chemicals, air pollutants, smoke, and other exposures that may influence cancer risk, so studying naturally occurring cancer in pets could therefore help researchers investigate how genetics and the surrounding environment interact.