

Gleanings

10 years ago

From the Journal Tribune: “Despite low voter turnout, Joanna Moran won the Town Clerk position in Kennebunk by a landslide on Tuesday. Out of 106 votes cast, she earned 103. While Moran’s was the only name on the ballot, a few votes sent to interim Town Clerk Betty Emmons. It was a bittersweet victory for Moran. The reason the seat is vacant is because of the death of her mother, Ethelyn Marthia, in Dec. 2006. Marthia held the job for more than 20 years.”

50 years ago

From the Biddeford-Saco Journal: “A site on Drake’s Island at the mouth of the Webhannet River has been proposed for a new state park, it was announced today. State Park and Recreation Director Lawrence Stuart said the Legislature in 1965 authorized \$125,000 to acquire land in Wells for the coastal project. The appropriation can be matched with federal funds.”

100 years ago

From the Biddeford Daily Journal: “Lovers of the game of basketball as it is played these days will want to be at the George A. Emery gymnasium, Saco, Friday night when Thornton stacks against the fast South Portland high team. The game will be called at 8 o’clock and the management announces that there will be plenty doing from the sound of the whistle.”

— Ryder Schumacher

Today in History

Today is Wednesday, Feb. 1, the 32nd day of 2017. There are 333 days left in the year.

ON THIS DATE:

In 1865, during the Civil War, Union forces led by Maj. Gen. William T. Sherman began the Carolinas Campaign as they invaded South Carolina. Abolitionist John S. Rock became the first black lawyer admitted to the bar of the U.S. Supreme Court.

In 1943, one of America’s most highly decorated military units, the 442nd Regimental Combat Team, made up almost exclusively of Japanese-Americans, was authorized.

In 1959, men in Switzerland rejected giving women the right to vote by a more than 2-1 referendum margin. (Swiss women gained the right to vote in 1971.)

In 1960, four black college students began a sit-in protest at a Woolworth’s lunch counter in Greensboro, North Carolina, where they’d been refused service.

In 1982, “Late Night with David Letterman” premiered on NBC.

In 2003, the space shuttle Columbia broke up during re-entry, killing all seven of its crew members.

Today’s Highlight in History:

On Feb. 1, 1942, during World War II, the Voice of America broadcast its first program to Europe, relaying it through the facilities of the British Broadcasting Corp. in London.

TEN YEARS AGO

The departing top U.S. commander in Iraq, Gen. George Casey, told the Senate Armed Services Committee that improving security in Baghdad would take fewer than half as many extra troops as President George W. Bush had chosen to commit. President Mahmoud Ahmadinejad launched anniversary celebrations for Iran’s Islamic Revolution with a defiant promise to push ahead with the country’s controversial nuclear program.

FIVE YEARS AGO

Facebook, the Internet social network, announced plans to go public with a stock offering. In Port Said, Egypt, 74 people were killed after soccer fans rushed the field following an upset victory by the home team over Egypt’s top club.

ONE YEAR AGO

Texas Sen. Ted Cruz swept to victory in Iowa’s Republican caucuses, overcoming billionaire Donald Trump; among Democrats, Bernie Sanders rode a wave of voter enthusiasm to a virtual tie with Hillary Clinton. The World Health Organization declared a global emergency over the explosive spread of the Zika virus, which was linked to birth defects in the Americas, calling it an “extraordinary event” that posed a public health threat to other parts of the world.

— By The Associated Press

Quote of the day:

“Happiness is a by-product. You cannot pursue it by itself.”  
— Sam Levenson,  
American humorist (1911-1980)

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Art meets microbiology in UNE College of Pharmacy course

BIDDEFORD — For many pharmacy students, finding time to pursue creative outlets in the midst of scientific studies can be a challenge. However, in the new Advanced Infectious Diseases elective course at the UNE College of Pharmacy, both disciplines are an integral part of the curriculum.

Students in the class have been exploring microbial art, also known as agar art. Using agar as a medium for artwork was explored by the Scottish scientist Alexander Fleming, best known for his role in developing penicillin.

Fleming was also a painter who blended his two passions by creating designs with bacteria in petri dishes. The bacteria and fungi used were species that naturally produce colored pigments, and the agar contained nutrients resulting in color production when certain microorganisms were grown on it.

In recent years, the concept of mixing art with science has grown in popularity, as demonstrated by the American Society for Microbiology’s development of the international Agar Art Contest.

Now in its third year, the 2016 contest received over 115 entries from 26 countries, with designs ranging from a wolf to a beer stein.

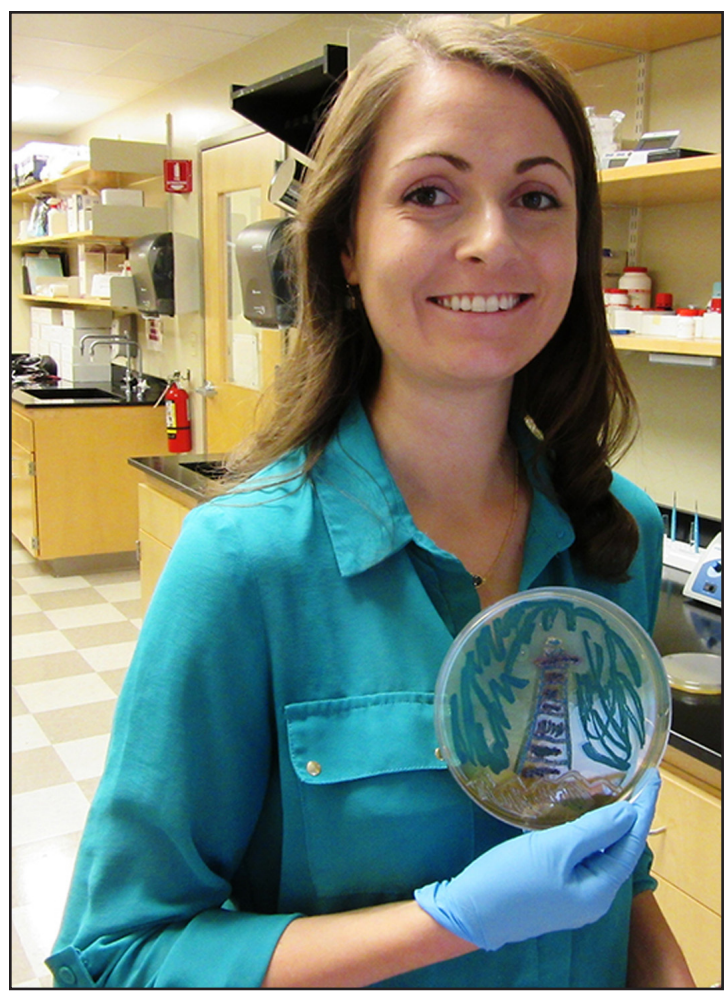
Inspired by the competition, George Allen, Pharm.D., associate professor and chair of the Department of

Pharmacy Practice and Joel Coon, Pharm.D., assistant clinical professor in the College of Pharmacy decided to incorporate microbial art into their Advanced Infectious Diseases course this fall.

Eight third-year Doctor of Pharmacy students used a chromogenic medium that was developed to allow differentiation of pathogenic bacteria that typically cause urinary tract infections. A palette of 10 colors, each produced by a different bacterial species, was used as “paint.”

Among the bacteria used were Acinetobacter baumannii (an important cause of hospital-acquired infections), which produces a beige color when grown on this agar, Escherichia coli (a very common cause of urinary tract infections), which produces a pink color, and Klebsiella pneumoniae (an increasingly serious threat to public health because of the emergence of antimicrobial resistance), which produces a metallic blue color.

The students completed the work in phases, first developing ideas for their artwork. Some drew templates on paper for tracing, while others painted directly on the agar. When it came time to paint, the students used fine brushes and solutions of each bacterium to create their designs on each agar plate. They examined their plates the next day, finding that the bacteria had



Kelly Sawyer, a student in the University of New England’s College of Pharmacy program, displays her self-designed lighthouse agar art.

grown into the images they had painted.

Finished designs included a lighthouse, flowers, butterflies and a beach scene.

“The class enabled students to not only broaden their knowledge of infectious diseases and microbiology, but to work creatively in the process,” Allen said.

The University of New England is Maine’s largest private university, an innovative educational community

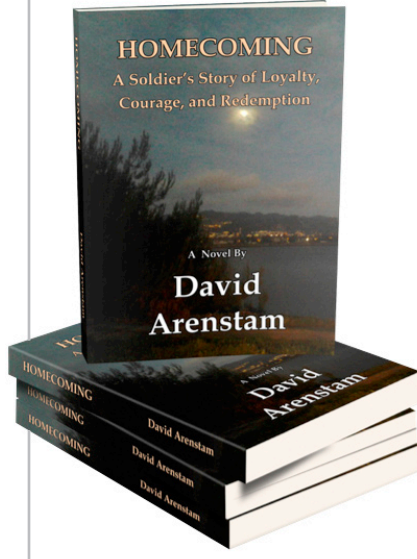
with two distinctive coastal Maine campuses, a vibrant new campus in Tangier, Morocco, and a robust offering of degree and certificate programs online.

UNE is home to Maine’s only medical and dental schools—part of a comprehensive health education mission built on a pioneering interprofessional approach that includes pharmacy, nursing and an array of allied health professions.

Briefly

Arundel Historical Society to host author

ARUNDEL — The Arundel Historical Society will be hosting local author David Arenstam from 2 to 4 p.m. Sunday, Feb. 12 in the new library at the M.L. Day School on Limerick Road in Arundel.



Arenstam is a writer, journalist and teacher at Thornton Academy in Saco. A graduate of Bates College, he has recently received his Masters in Journalism at Harvard University. He is also a finalist for the “Maine Teacher of the Year Award.”

He will speak on his novel “Homecoming” (A Soldier’s Story of Loyalty, Courage, and Redemption) and spent months interviewing Vietnam Veterans, two of them being former pilots and local men, one from Old Orchard Beach.

There will be signed copies of “Homecoming” avail-

able for sale after the talk. Refreshments will be served and there is no charge for this presentation.

For more information, call 283-9699.

TA receives bond funding from Finance Authority of Maine

SACO — The board of directors of the Finance Authority of Maine recently approved bond financing for two Maine schools and two health care companies, totaling approximately \$97.3 million.

The move is intended to improve the general health and well-being of Maine students and businesses.

At its monthly meeting on Jan. 19, the FAME Board approved financing for Husson University; Thornton Academy of Saco; MaineHealth; and LifeFlight of Maine, LLC.

“FAME is pleased to support the growth and success of these Maine educational institutions and companies, and the related Maine jobs,” said FAME Board Chair Raymond Nowak. “We wish them all well with their plans for growth and success in the coming years.”

Thornton Academy, a private elementary and secondary school in Saco, was approved for financing of \$23.5 million to finance and refinance the costs of certain capital improvement projects, including the acquisition of land for construction of new dormitories and busi-

ness offices, and renovations to existing facilities, including classrooms, a gymnasium, a cafeteria, and athletic fields.

Husson University, a private college located in Bangor, was approved for \$10.3 million in financing to refinance a portion of the costs of construction of student apartments, replacement of a maintenance facility, and renovation of certain residence halls.

MaineHealth, a non-profit health care company that owns Maine Medical Center and a variety of other hospitals and medical service providers throughout the state, was approved for \$61 million in financing to help with costs associated with completion of an electronic medical records system.

LifeFlight of Maine, which provides critical care transport and training statewide, was approved for \$2.5 million to finance a portion of purchasing, medically reconfiguring, upgrading, and equipping a new helicopter. The company also will use the financing to upgrade its facilities at Sanford, Auburn, and Rockland, and miscellaneous other projects.

“We are grateful for FAME’s assistance on this important project,” said Thomas Judge, Executive Director of LifeFlight. “As a private non-profit charity with a distinctly public mission, this financing is essential to helping us better serve the people of Maine.”

FAME’s Revenue Obligations Securities Program provides tax-exempt bond financing to eligible borrowers without any recourse or obligation on the part of the state. It acts as a conduit for borrowers in order to access favorable interest rates and to help

stimulate the economy and create and retain Maine jobs.

FAME is a quasi-independent state agency that provides innovative financial solutions to help Maine citizens pursue business and educational opportunities and helps to lead the creation of good paying jobs for Maine citizens by working at the nexus between economic and workforce development.

To learn more about FAME, visit [www.fame-maine.com](http://www.fame-maine.com).

Local students on dean’s list for University of Hartford

WEST HARTFORD, Conn. — The University of Hartford is pleased to announce the following local students have been named to the Dean’s List for Fall 2016.

- Kelia Ingraham of Kennebunk
- Samantha Harmon of Old Orchard

The University of Hartford, centrally located in Connecticut, provides a distinctive educational experience across seven schools and colleges for one of the most diverse student bodies in New England.

Hartford’s faculty are attracted by the opportunity to challenge and support students as they pursue degrees in more than 100 programs in the arts, humanities, science, business, engineering and technology, education, and health professions.

Chartered in 1957, Hartford has more than 5,000 undergraduate and 1,600 graduate students from 48 states and 63 countries and 75,000 alumni worldwide.

Visit [www.hartford.edu](http://www.hartford.edu) for more information.

Lotteries

MASSACHUSETTS

Numbers – 4-0-3-9 (day)/0-8-8-1 (evening)  
MassCash – 04-07-19-28-34  
Mega Millions – 03-14-27-62-72, Mega Ball: 04

NORTHERN NEW ENGLAND

Pick 3 – 2-5-8 (day)/0-8-1 (evening)  
Pick 4 – 6-2-1-3 (day)/6-6-6-0 (evening)

• Send your community announcements to [jtcommunity@journaltribune.com](mailto:jtcommunity@journaltribune.com).