

Vol. 47, No. 5

P.O. Box 222, Davidsonville, Maryland 21035

March-April 2021

**Trees! Trees! Trees!** DACA to hold its 12th tree giveaway event at Homestead Gardens March 27, 2021, 11:00-1:00

or until they are all gone DACA volunteers will be stationed at Homestead Gardens with 400 trees and instructions for planting to distribute to people who arrive and ask for them. And please wear your mask!



Sycamore Tree

## Join DACA, Make a Difference! Dues are \$10 per year per person Membership info, page 16

 $\mathbf{7}$  ou can help preserve and protect Davidsonville. As an unincorporated area of Anne Arundel County, Davidsonville is not a town or even a village, so it does not have a mayor or any other dedicated elected officials. Instead, it has a volunteer-led organization established nearly 50 years ago to represent and protect both the open space of farms and the community lifestyle that attract its residents.

DACA's long presence in the community and its reputation for integrity, influence, and nonpartisanship have inspired elected leaders and department heads and staff in our county and state government to respect and respond to the concerns of this civic organization. DACA prepares and presents testimony to the County

(Continued on page 4)



Southern Crabapple



White Oak, Maryland's State Tree



Eastern Redbud

## March-April 2021

## **DACA People**

Welcome new member Sarah Zsak and her husband Neil to Davidsonville. In response to DACA's acknowledgment of her dues payment, Sarah wrote,



"Thank you so much for the information! It is nice to feel connected to our new community! It's been a bit challenging to start new connections during a pandemic. Thank you again!" Sarah

"Thank you for contacting me via email. I greatly appreciate hearing from you. Please be assured that I am committed to reviewing and considering all information you are sharing."*Michele Corkadell, Board of Education* 

"Hi Gail! Thanks for sending the Villager. Loved seeing that the tree seedling give away will continue! Seedlings represent hope. Thinking of you," *Lara M.* 

"Will the bridge on Governors Bridge road ever be fixed and reopened? I have heard so many stories, many have never happened." *Lloyd* 

Response: Prince George's County would have to pay at least half the cost of the work, and DACA Vice President Ed Woods reports that their Public Works Department does not want to spend the money.



To Gail and Kate: Now that is what I call a newsletter! It looks like a lot of work but with an impressive result. Thank you for my copy. I want to thank both of you for the terrific article about Lindamoor's experience and the roads at risk. Well done. We are starting to make a little progress and the more people that are informed and express their interest, the better the resolution and the sooner it will come. *Frank Arsenault* 

Thank you so much for your kind words about the Villager. I'm glad you approve of the article about Roads at Risk. Gail

> In Memoriam Willard Dean Toney February 8, 1938 - February 19, 2021 DACA member 1986-2006

> > In Memoriam Donald Redmiles May 27, 1927 - March 1, 2021 DACA member 1985-2014

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## Page 2

## **Compliments to from DACA People**

Just read the most recent Villager [Jan-Feb] and think it is one of the best ever!

It appears that **[Bruce Stein]** the President of DACA is a great catch! I was impressed with how thoroughly he goes over all State and County documents that relate to DACA.

Lastly, I wanted to let you know that the Governor has appointed me to the Board of "Maryland Park Advisory Commission" This is an advisory group that helps guide all things that would affect our wonderful Maryland State's Parks! I am very excited. Take care.

#### **Bob Bradshaw**

Thank you, Bob, for your kind words about the Villager and Bruce Stein!

Congratulations on your appointment by the Governor to the Maryland Park Advisory Commission. That is important and noteworthy. And thank you for your offer of more support for the Scholarship Fund. . We are always grateful for your contributions. One of our stellar angels! Stay safe and healthy. Gail

Many thanks to our **District 7 Council Member Jessica Haire** and her Legislative Assistant **Matt Pipkin** for meeting with members of the DACA board. She gave us the opportunity to clarify and explain the concerns of Davidsonville and South County residents that DACA has expressed in our Comments to the County and the Planning Advisory Board about Plan2040.

### Please Support Our Students in Post-High School Education!

You are invited to contribute to DACA's Scholarship Fund, in any amount. Gifts can be made in honor of or in memory of loved ones, and donors may remain anonymous if they prefer. Send your check, with "Scholarship" on the memo line, to DACA Scholarship, PO Box 222, Davidsonville, MD 21035.

#### **Post Office Update**

It should be no surprise that the March opening of the new post office is not a certainty. A phone call to the office revealed that the move may take place in April. So we can assume that the box holders in Davidsonville will receive this issue of the *Villager* as expected.

nongratulations and many thanks to Kate Fox for taking on another role in volunteer public service. Growth Action Network's Board of Directors asked her to become the Chairman of the Board when two officers changed their positions of responsibility. Acting Chair Pat Lynch resumed her previous position as Vice Chair. Elizabeth Rosborg gave up her position as an officer when County Executive Steuart Pittman appointed her to the Citizens Advisory Board (which advises and makes recommendations to GAN and the County Office of Planning and Zoning). Kate accepted the position, adding to her other important positions with DACA and with All Hallows Parish. Kate noted that GAN has evolved to an organization driven by committees that support its mission, and she sees her position as that of a moderator.

Kate is a "solid citizen" giving her time and skills for the improvement of her community and the County. We all benefit from Kate's contributions.

#### Cambria

Wearing his Cambria hat, Bruce reported that the Riva/Homewood/Governor Bridge Road construction project was awarded to E & R Services. The County is preparing the contract paperwork to start construction. Rick Talbot will be the county's project manager during construction. Work will probably start in June or July.



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## Join DACA! (Continued from page 1)

Council and transmits the opinions of the residents to government representatives, about 80 in all. These representatives receive and read the *Villager* and DACA's communications with citizen volunteer committees and commissions. They listen and respond to issues raised by DACA on behalf of our community and South County.

DACA's volunteer board works on behalf of all residents regardless of their membership status. Since member dues are just \$10 a year per person, our hope is that more residents will join DACA and, as able, participate in the work needed to support and represent all corners of our 30-square-mile community.

Dues help finance DACA's costs for communications (*Villager* and website <u>www.daca-md.org</u> or <u>www.davidsonvillemaryland.org</u>), events (the annual Green Expo and tree giveaway), community improvements (the "Welcome to Davidsonville" sign), expenses in support of advocacy efforts and local charities, as well as our organization's portion of the costs to maintain the Davidsonville Family Recreation Center (DFRC), a community resource located on Queen Anne Bridge Road.

"Even though we have been here for years, we always learn something new about this area from your newsletter."

Email from a Villager-reading household

## 48 Years of Advocacy and Counting

Davidsonville is a rural, residential community that is home to several generations of farming families and an attractive place for new residents to settle.

DACA was founded in 1973 by residents who were concerned about a developer's plans to construct a big box-style shopping center at the corner of Central Avenue (Route 214) and Davidsonville Road (Route 424). Just a few years ago, DACA lent its voice and weight to residents who requested help and together succeeded in preventing the Maryland State Highway Administration from building an industrial salt dome with access roads on farmland at Routes 50 and 424.

For the past five decades, DACA volunteers have monitored proposed zoning and land use changes and lobbied our Council members and State Delegates and Senators to maintain and preserve the open space and farmland.

The organization is driven by its members. Through the 1970s and '80s, Martin Zehner testified many times before the County Council in support of agricultural and environmental issues. Gene Ford was instrumental in getting the County to assume control of the Davidsonville Family Recreation Center. Will Biddle initiated the tree give-away, and Lara Mulvaney led the way to develop DACA's Green Expo. Bob Bradshaw worked with the County Council to create Davidsonvi**[Se**Pát**W/Howelsycears.angin**;**Rednandh/Karis**)



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#### THE VILLAGER

Page 5

#### What Else Does DACA Do? (Continued from page 4)

Angelis established and began funding a scholarship fund to award scholarships for post high school education to students in member households. A resident of a new community on the edge of 21035 asked that DACA expand its boundaries to include her neighborhood. We did it!

DACA advocates for safe and suitable traffic patterns, road construction and repairs; we promote renewable energy sources; it supports efforts to protect the critical areas that impact our soil, drinking water aquifers, and the many streams flowing through Davidsonville to the rivers and Chesapeake Bay. DACA does this by maintaining close communication with elected officials and professional employees of the county and state government and their departments.

All Davidsonville residents benefit from DACA's successes. By join DACA, you, also, can influence DACA's work and your community.

"DACA is a volunteer organization with limited resources. Therefore it cannot take on every issue that impacts community members, local groups, or the community-at-large," says DACA President Bruce Stein. "If we can't take a lead role, we offer whatever advice and assistance our experiences have given us to assist others in their concerns."

#### From the Office of Planning and Zoning

Thank you to everyone who has participated in the Plan2040 process. Given your interest in Plan2040, the Office of Planning is reaching out to see if you are interested in receiving updates to the other planning processes currently underway.

#### Mark Wildonger, AICP, Senior Planner

**Venison for the Food Bank:** Steuart Pittman and U.S. Senator Chris Van Hollen supported Maryland House Bill 594 to allow hunters in the state to receive \$50 for each legally harvested deer they donate to the Maryland Food Bank. The House of Delegates passed the bill but it stalled in the Senate.

#### Maryland General Assembly News from Delegate Mike Malone

We have passed the halfway point of the 2021 Legislative Session. Committees continue to be busy with Bill hearings and voting. House Floor debates have begun on various important legislation.

Please refer to the website of the Maryland General Assembly, mgaleg.maryland.gov/mgawebsite/. You can view all committees and their respective bill hearings in both the House and Senate. There is a great tutorial to assist you in navigating to various bill hearings in any committees of the General Assembly.

This year all Committee hearings are live and can be viewed virtually via the website links. I am assigned to the Judiciary Committee. I hear bill testimony that relates to criminal, family law, civil issues, and a host of other subjects of bills that would impact the court and judicial system.

We have had emails on many subjects this year. My office has assisted in navigating many constituents to the proper offices who provide relief, especially those persons having unemployment issues during this unprecedented pandemic.

The Anne Arundel County Delegation meets every Friday morning. This delegation consists of all AA County representatives. We hear witness testimony on local legislation that can impact you as residents of the county.

Organizations from Anne Arundel County also report on their legislative priorities and provide very useful information on how they are providing assistance to the community, what funding they need, etc. I serve on the Capital Budget subcommittee.

These meetings are open to the public via the MGA website.



Plan2040/DACA/GAN/OPZ/PAB: Alphabet Soup for South County

THE VILLAGER

The Office of Planning and Zoning (OPZ) completed the draft of Plan 2040 and submitted it to the County

Planning Advisory Board (PAB) for their review on December 9. The OPZ invited comments from the public and received more than 130 written and oral statements, including DACA's (published in the January–February *Villager*).

In their January 13 meeting the PAB reviewed the OPZ summary of public comment and approved it with little discussion. Observers were left with the impression that the PAB did not fully review public comments and, instead, relied on the OPZ summary. The PAB added only a few additional comments initiated by its members and sent the final Plan2040 draft with its recommendations to the County Council on February 1.

Growth Action Network (GAN) reported to its members that the net impact seems to be a change of only a few lines of text in the Plan2040 draft. Most resulted in OPZ responses defending original positions or claiming that the issue was already addressed in the draft Plan. With so many public comments producing so little change, the reader is left with the impression that OPZ is far too resistant to accept editing requests from the general public.

Among the issues left unaddressed by OPZ and the PAB were growth limits, the fiscal impact of growth, agricultural preservation, ecosystem services, regional growth management, use of economic development resources, regional Planning details, Regional Planning Committee composition, and interim rezoning, several of which were touched upon in DACA's lengthy commentary.

GAN encouraged its members to contact their County Council representative to resolve outstanding Plan2040 issues important to their community. South County residents and GAN representatives met with District 7 Council member Jessica Haire on February 17.

Kate Fox wrote, "I was amazed at the work that the group of South County residents did in preparation for the meeting."

Bruce Stein addressed three items:

1. Modify county regulations to allow farmers to use agrivoltaic systems to generate additional farm income without getting turned into a "commercial" operation or a "community" solar operation.

2. Stormwater management and the county's need to support HOAs that are struggling to deal with the issue.

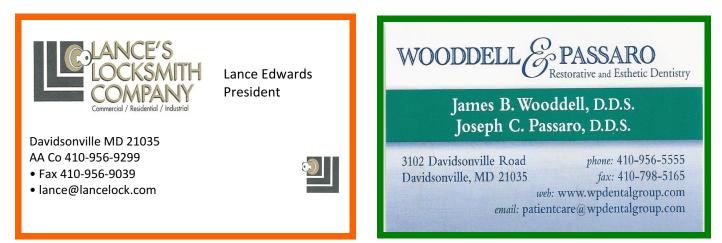
3. LUCA 176, the land use change at Riva Road and Central Avenue.

The first two, Jessica seemed somewhat interested in, but noncommittal. As to LUCA 176, she jumped on as soon as Bruce mentioned it and is apparently well aware of it and working on some sort of solution.

Mike Lofton spoke to the need to have a better approach and plan for mobile homes rather than what does not exist now. There was also discussion of the need for a detailed study of the root causes for the decline of the agricultural economy, and ways to sustain it, including an inventory of small farms in the county and their needs.

Bruce Stein, Kate Fox, Ed Woods, and Gail Enright met with Jessica Haire and her legislative assistant Matt Pipkin on February 24. They discussed Plan2040, proposed land use changes (LUCA 176) in Davidsonville, mobile home parks in residentially zoned areas, how to streamline the process for permitting facilities for first responders (fire houses, police stations), and stormwater management by Home Owners Associations.

At the March 1 Council hearing, Jessica asked how the nine Regional Plans are to be developed and implemented. Each regional planning group is to have nine local members: longtime residents, new residents, youth, and local businesses including real estate and a builder. Upon completion, three Regional Plans will be acted upon every two years, not done until 2026. They are to be incorporated into the final General Development Plan. The Council delayed its final vote to allow for more amendments and public comment.



## Your Opportunity to Review Plan2040 Land Change Uses in Our Area

**S** outh County is Small Area Nine, which means it will be the last to be reviewed by the Office of Planning and Zoning, maybe in 2026. We need to be aware of proposed land use map changes (LUCA) applied for in our area before they are accepted and enacted into the General Development Plan. Growth Action Network explains it thus:

#### Zoning must be consistent with Land Use Plan

Plan2040 specifies that comprehensive rezoning for each region will occur after its Regional Planning process is completed, but that zoning must be consistent with the Plan2040 Land Use Map. As a consequence, the Land Use Map will strongly influence the future zoning map. Since changes in Land Use are effectively changes in zoning, they can have a big impact on the monetary value of a land parcel.

The County has received more than 210 applications for Land Use Changes, and the County staff has independently recommended approximately 65 more. All of the changes, together with adaptation recommendations, are summarized in an Appendix of Volume II of the final draft of Plan2040. These applications and recommendations, along with the rest of the plan, have now been delivered to the County Council for consideration and approval. They were opened for public testimony at the March 1 meeting.

Citizens should be aware of any proposed land use changes in their area, track the status of the Land Use Change Application (LUCA), and contact their Council representative to voice their support or opposition. Land owners, developers, and their representatives should be expected to closely monitor the status of their LUCAs and to advocate strongly for their interests. The County's website contains everything; it took me several steps, with Kate's help, to get through the jungle to see it.

- 1. In the browser line type AACounty.org
- 2. In the white bar at the top, click on Departments
- 3. Under Land Use, click on Planning and Zoning

4. Under "In the Spotlight," click on the tiny arrow on the right of Anne Arundel 2040, to see the General Development Plan. This is where you want to bookmark it. Scroll down to County Council Draft Documents to see Plan2040 Volume I and Volume II. You can also find Region Plans, and the Planned Land Use Map and the Region Plan Map.

#### **Good Morning, Farmer!**

University of Maryland Extension invites farmers and those who are interested in agriculture to gather virtually each Wednesday, 8:00–9:00 a.m. through March 31, 2021, to discuss topics of interest, learn from experts, and join in fellowship. Registration is free but is required to attend any or all sessions: https://extension.umd.edu/anne-arundel-county/goodmorning-farmer. Remaining meetings are March 24, 2021, Making Your Voice Heard; and March 31, 2021, Family Dynamics.

For more information on "Good Morning, Farmer," contact Jeanette Jeffrey, Healthy Living Educator, at the above web address.

#### Other agricultural education events:

- March 17, 2021, 6:00--9:00pm Beginning Small Farm Workshop Series: Weeds and Weed Control.
- March 24, 7:00 pm, Live Webinar, Living on a Few Acres: Backyard Poultry. \$5.00 fee, call 1-877-345-0691 to register.

For more information, contact Brittany Rawlings, Agricultural Specialist, AA Economic Development Corporation, brawlings@aaedc.org or 410-222-7412.

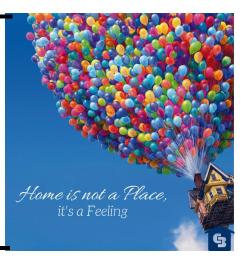


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## DACA Invites Scholarship Applicants for 2021–2022

**D**ACA's Board of Directors invites individuals to apply for funds to further their post-high school education (academic, technical, or professional) in the coming year. To determine eligibility and apply for a scholarship, read the requirements and follow the instructions on DACA's website <u>www.daca-md.org</u> or www.davidsonvillemaryland.org.

I. Purpose and Limitations

1. DACA's scholarship funds must be used for educational training: academic, technical, or professional.

2. The scholarship is available to individuals for one year at a time.

3. Scholarship awards are made at the discretion of the DACA Board.

4. Awards may be for up to \$500 at the discretion of the DACA Board and may depend on the number of applications.

5. Applicants and grantees may apply annually for an award for a maximum of four consecutive years.

## II. Qualifications

1. The scholarship applicant must be a DACA member, or a child of a member, who lives in the DACA geographic area as defined by DACA's Bylaws.

2. The applicant must be involved in a community activity within the DACA geographic area and be able to document that involvement.

#### Note: Application Deadline is May 1

#### III. Requirements

1. The application is due by May 1 (or the following Monday if May 1 should fall on a weekend). Applications received after the due date will not be considered.

2. The applicant must include all of the following information and documentation in writing at the time of their application. Incomplete applications will not be considered.

a. State the intended use of the grant funds

b. Provide a letter of acceptance to the school or program for which they intend to use the grant funds [or a transcript of the previous year's grades].

c. Describe in writing what they have done for their community or how they have participated in community involvement.

d. Provide a letter of recommendation from an officer of the community organization in which the applicant has been involved.

Submit all the above in writing to DACA Scholarship, P.O. Box 222, Davidsonville, MD 21035.

Students can also apply to our State Senator Ed Reilly and our House Delegates Heather Bagnall, Michael Malone, and Sid Saab. Their email addresses are on page 14.





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## Solar Farm Changes in COMAR

DACA President Bruce Stein received an article in January from Alex Butler, of Conduit Street, an organization that follows state and county issues, politics, and policy. It said that the Maryland Public Service Commission (PSC) seeks changes to the Code of Maryland (COMAR section 20.79, state law) to simplify the developers' application for solar farms. Bruce studied that section of the Code and the summary of a 141-page report on the topic sent to the Montgomery County Council.

In brief, developers want to make regulations easier for them to construct solar farms and want to make changes in the Maryland Code to facilitate this. Developers feel local jurisdictions (counties) do not want them, or want more control over siting, size, etc., and developers asked the Public Service Commission to request the changes. The State is under pressure to reach its renewable energy goals, therefore may be more sympathetic to solar developers. DACA's interest is its application to solar farms on properties of ten or more acres in AA County. The Maryland Association of Counties submitted comments, seeking to preserve the local voice in siting of utility scale (large) solar farms: local zoning approval or adequate notice of proposal; meetings with



local zoning staff; allowing 90 days for local jurisdictions to respond, considering the General Development plan. In September 2018, DACA addressed the solar farms issue in a letter to then County Executive Steve Schuh expressing opposition to grandfathering five proposed solar farms in Lothian.

DACA's board authorized a letter that Bruce wrote to Andrew Johnson, Executive Secretary of the Public Service Commission, February 2, 2021, conveying DACA's position and elaborating on these points:

1. Public meetings and transcripts thereof should be required. 2. The Certificate of Public Convenience and Necessity (CPCN) application should contain decommissioning and recycling plans.

3. Pollinator-friendly and agrivoltaics installations should be affirmatively considered in the pre-application process.

Agrivoltaics is a new concept to many. When presented with the idea of a solar energy field, people often envision a field covered with solar panels, with only dirt or, at best, grass, beneath them, and that the land is lost to any agricultural use. But as it has been shown that pollinator friendly plants can grow under solar panels, so also can crops. The panels do not need to be close to the ground—they can be simply raised on taller poles. Agrivoltaic installations are being installed in the United States and in Europe, and they work.

DACA supports photovoltaics as an environmentally preferred design for Solar Energy Generating Stations (SEGS) and for large installations in rural/agricultural areas and in smaller agricultural installations (e.g., family farms) as environmentally friendly and economically beneficial in both cases. DACA also supports the inclusion of agrivoltaics into the analysis and consideration of SEGS and believes that it, along with pollinator friendly installations, should be a required part of the pre-application process of SEGS and an important factor in the approval ot denial of a CPCN.

Bruce Stein, President

Copies to Sen. Reilly; Dels. Heather Bagnall, Mike Malone, and Sid Saab; Co. Exec. Steuart Pittman; District 7 Council Member Jessica Haire; Legislative Asst. Matt Pipkin; and South County Constituent Rep. Vincent Moulden



## Page 10

#### School News Cvndi Morgan to DACA Board

The Anne Arundel County Board of Education met March 3 and discussed the reopening of schools with the Superintendent, Dr. George Arlotto.

Hybrid learning (two days in person, three days remote) started March 1 for those who chose this option. Half of the Pre-K to fifth grade students in the hybrid went to school on Monday and Tuesday, the other half started on Thursday and Friday. Some technical glitches arose as teachers taught simultaneously in-person and hybrid. Students in grades 6, 9, and 12 started on March 8. On March 22, students in grades 7, 8, 10, and 11 will attend school in the hybrid model. All Wednesdays are to be virtual.

Dr. Arlotto noted that he is tracking the number of active COVID cases for students and staff and will update a Data Dashboard once a week, Wednesdays at 5 pm.

Schools will have Contact Tracing Teams in coordination with the Health Department and school testing kits for students that come to school reporting that they are symptomatic as well as asymptomatic cases for those who report close contact with a known COVID positive person(s).

Families that wish to switch from the all virtual model to hybrid will have to make the change case-by-case, depending on the amount of room in the assigned classroom (maximum number not exceeded) and if bus transportation is needed, enough room for the student on the bus.

Dr. Arlotto said his goal is for all students to attend in person by fall—depending on the Health Department's guidelines and the number of COVID cases in our county.

#### Why is High School Still So Early? Melissa Stanton

A lthough many readers have yet to experience the ridiculously early 7:30 am high school start time, or have suffered through the years of enduring

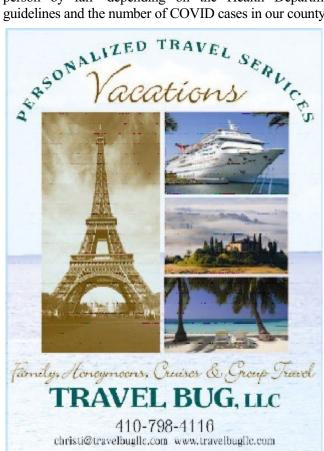
predawn wake-ups and sleep deprivation, all residents should be concerned about school start times and bus routes used by Anne Arundel County Public Schools. The details are in this petition, which I hope you'll consider signing and sharing:

#### tinyurl.com/aacpstransposux.

During the past year of virtual schooling, high school started at 8:30 am, a start time so much better in and of itself, but also with the added bonus of requiring no commute to and from school.

Now that school is back in session, Superintendent George Arlotto has returned high school to a 7:30 am start, apparently due to transportation logistics. This is despite the fact that only a portion of the student body is now in need of transportation, since most students are remaining at home; the even more distressing reality is that the AACPS Transportation office has had more than a year to implement recommendations from an audit that found the district's transportation planning processes to be inefficient, outdated, and financially wasteful.

With the start of hybrid high school on March 8, students are boarding school buses as early as 6:17 am for Southern High School and South River High School. STEM students bound for South River are on a bus by 5:37 am. *(See Start Time, continued, page 12)* 





#### Page 11



Anne Arundel County | Maryland health, safety and equity in education

Anne Arundel County school buses are back on the road, and some elementary students have returned to school buildings this week. Unfortunately, it was also a return to pre-pandemic start times for all students, whether attending in-person or virtually. Please email the Board of Education regarding the return to pre-pandemic school hours, especially for students and families who appreciated the 8:30 am virtual start but must now start either much earlier or much later. I have no updates on AACPS's implementation of new school hours in the 2021-2022 school year. The Board asked Dr. Arlotto for a progress report in April.

Bus schedules were released in mid-February and were frustratingly similar to those of last school year. There was no evidence of implementation of the Prismatic Report's recommendations, despite the 13 months to do so (and no daily buses to be managed for the past 11 months). Which is, perhaps, why some fellow education advocates created this petition today, seeking changes in AACPS Transportation leadership, transparency, and accountability. Please sign and share it with friends, family, and neighbors. Copy this into your browser line:

https://www.change.org/p/board-of-education-of-an ne-arundel-county-aacps-boe-make-immediate-chan ges-in-transportation-leadership-operability?

House Bill 72, regarding school bus capacity, advanced from its committee through the House and to the Senate for consideration, where the Senate committe reported "unfavorably" on its companion version, SB 242. It will be an uphill battle for this bill in the Senate Judiciary Committee.

Lisa VanBuskirk, Start School Later

#### **Start Time** (continued from page 10)

Also, on Wednesdays—a virtual school day for all high school students—the only class held is Community Wellness, a 30-minute, mandatory session that runs from 7:30 to 8 am. A more thoughtful superintendent would not be waking teens so early in the morning only to release them into a day that, for many, can be filled with little to do. A more thoughtful superintendent would abide by the recommendation of the American Academy of Pediatrics that, due to the developmentally normal sleep needs and habits of teens, no middle or high school should start earlier than 8:30 am.



## Page 12

## Effects of Climate Change by Al Tucker, President Chesapeake Environmental Protection Association

Most environmental groups in the Chesapeake Bay region focus on cleanup of the Bay. CEPA has been

no exception since its founding more than 50 years ago. The primary cause of the Bays degradation has been uncontrolled development together with poor stormwater management, poor agricultural practices, and minimally treated wastewater. The acceleration of climate change represents an even greater challenge to the Bay's cleanup efforts.

In 1981, the EPA and the Bay's watershed states recognized that solving the Bay's "dirty water" problem required a holistic or systems approach. They agreed to reduce the total maximum daily load (TMDL) of three major pollutants: sediment, nitrogen, and phosphorus. Each state agreed to reduce its proportionate share of these pollutants to levels that the current Bay's ecosystem could consume through natural processes. While some progress has been made, the Bay still receives a grade of D overall. It remains an open question whether the current approaches will succeed when another environmental driver emerges as an even greater threat to the Bay's ecosystem, specifically: climate change.

**Climate Change is Real!** We know that carbon dioxide, methane, and hydrofluorocarbons increase the heat trapping effects of the atmosphere. The increases in carbon dioxide and methane are related to burning fossil fuels, and, ironically, hydrofluorocarbons are used in cooling for refrigeration and air conditioning. The major indicators of these greenhouse gas effects were outlined in the fifth International Climate Change Committee Assessment Report.

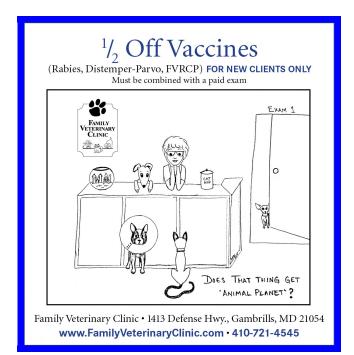
**Global Warming:** Since the nineteenth century, the average air temperature has risen about 1.2°C (2°F). The predictions now show that the 1.5°C Paris agreement limit will be exceeded in the period between 2026 to 2042. And the 2°C limit will occur during the period from 2038 to 2072 if no intervention is taken. The focus on daytime high temperatures belies the rise in average nighttime temperatures, which have the greatest impact on the length of growing seasons. Extended growing seasons disrupt normal cycles as well as invite invasive species that thrive in higher temperatures. Animals that live by temporal cycles will migrate to their normal territories only to find food supplies depleted or nonexistent when they arrive.

**Warming Oceans:** While the ocean temperature has risen only 0.33°C, it is the primary cause of sea level rise through thermal expansion. Currently, oceans store 90 percent of the earth's excess energy. What that storage limit is before the atmospheric temperature begins to rise rapidly remains an open question.

**Shrinking Ice Sheets**: Greenland loses about 279 billion tons of ice per year while Antarctica loses an additional 148 billion tons. At some point their contribution to sea level rise will dominate that of thermal expansion. Greenland alone can contribute up to 20 feet of rise. If the 2°C limit is reached, one could expect a meter or more of rise in the Bay. The northeast coast of the USA, including the Bay, is experiencing one of the fastest rises due to a combination of subsidence and the impact of Greenland meltwater on the Gulf Stream. Anne Arundel will lose almost 3,000 acres of forest to sea level rise.

Ocean Acidification: The ocean is one of the primary carbon sinks. Carbon dioxide in seawater creates carbonic acid. This natural process has caused a 30 percent increase (Continued on page 13)

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## THE VILLAGER

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#### Climate Change, (from page 12)

in acidification, resulting in destruction of coral reefs and impacting calciferous marine life. In the Bay, crabs and oysters will be affected.

Extreme Events: As one watched the development of hurricanes this past summer and fall, we saw them move inland and back out over warm water, where they increased quickly in intensity, some to category five storms. Warmer air holds more water, and this year may be the wettest year in our recorded weather history. More water means that current stormwater practices may be inadequate. While global warming implies hotter temperatures on average, it also means some of the coldest. With 22 events causing 95 billion dollars of damage, the year 2020 represents the sixth consecutive year of climate-related losses that exceeded a billion dollars. From 1980 to now, the US has averaged 7.2 events per year. From 2015 to now the average is 16.2 events. For the Bay, significant storm surges during hurricanes can be expected. Under appropriate conditions, a surge in the Bay that exceeds 18 feet can occur at Fells Point in Baltimore.

Within two generations, climate change will rapidly change our local environment. The question is, what should we do? First and foremost, without a reduction of greenhouse gases, the eventual results will be catastrophic. At the national and global level, we should advocate for decarbonizing our society. That means we will need a new energy infrastructure independent of fossil fuels. Without making this change, all other attempts to adapt will be futile. Some recent reports indicate that the 2°C increase is already "baked in." At the regional level of the Bay, that implies that extreme events will occur within our lifetime. Blackwater refuge will lose 50% of its land to inundation. Large tracts of Eastern Shore cropland already exhibit saltwater intrusion in plant root zones. Well water in some areas also shows signs of saltwater intrusion.

All these effects imply that we in the Bay's watershed will need to change our strategies from preventing change

and preserving the status quo to ones of adapting to a changed environment. Hard decisions will have to be made. Land and homes will have to be abandoned, critical infrastructure like roads, wastewater facilities, and wells will have to be hardened against stormsurges. New building codes will need to be developed for areas that will become subject to future flooding. It is not just the low-lying areas that will be affected. The whole state will have to bear the economic, societal, and ecological costs associated with the unforeseen, myriad effects of climate change. The Maryland Commission on Climate Change produced an excellent summary in 2011.\* Unfortunately, little has resulted from these recommendations, perhaps because they are too farreaching and the cost to implement them seems too daunting. Even more daunting, though, is the fundamental change in attitudes and lifestyle choices that we will have to accept. These choices can be ours to make, or the climate inevitably will make unpleasant choices for us. We need to tell our decision makers that the time is now to start preparing for the inevitable.

\* Comprehensive Strategy for Reducing Maryland's Vulnerability to Climate Change Phase II: Building societal, economic, and ecological resilience,

https://climatechange.maryland.gov/reducing-marylands-vulnerability-to-climate-change-phase-ii-executive-summary

#### **Observations of a Devout Recycler**

The County is not making recycling easier or more convenient for householders. DPW no longer accepts plastic grocery bags; and some stores do not accept them. Carry your own reusable grocery bags to the store? The checkout clerk will not touch bags from outside the store. Now DPW's newest "convenience" for the householder is the "privilege" of washing your glass bottles and jars and taking them to the recycling center!

Yes, they still pick up glass food and beverage bottles and jars; paper/cardboard; aluminum and steel cans, foil, empty aerosol cans; and plastic bottles, jars, containers, and rigid plastic items. Put them, suitably contained, at curbside.



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## March-April 2021

#### **Contact information for Government Officials State District 33**

Sen. Edward R. Reilly 410-841-3568 edward.reilly@senate.state.md.us Del. Michael E. Malone 410-841-3510 michael.malone@house.state.md.us heather.bagnall@house.state.md.us Del. Heather Bagnall 410-841-3406 Del. Sid Saab 410-841-3551 sid.saab@house.state.md.us **Anne Arundel County** County Executive Steuart Pittman 410-222-1821 expitt99@aacounty.org

Council District 7 Jessica Haire 410-222-1401 jessica.haire@aacounty.org District 7 Assistant Matt Pipkin 410-222-2417 ccpipk33@aacounty.org Vincent Moulden, Community Constituent representative for the exmoul00@aacounty.org. Seventh Council District

#### Email addresses of AA County Board of Education members

Candace Antwine, Council District 1 cantwine@aacps.org Robert Silkworth, Council District 2 rsilkworth@aacps.org Corine Frank, Council District 3 Melissa Ellis, Council District 4 mkellis@aacps.org dschallheim@AACPS.org Dana Schallheim, Council District 5 Joanna Bache Tobin, Council District 6 terry.gilleland@aacps.org Michelle Corkadel, Council District 7 mcorkadel@aacps.org dmsmith8@aacps.org Drake Smith (student member until June 30, 2021) superintendent@aacps.org Superintendent George Arlotto garlotto@aacps.org boardoffice@aacps.org

Davidsonville (

Davidsonville Country Living magazine is dedicated to residents of our fair community and features families and individuals who make Davidsonville the place we love. It also features an occasional local history or nostalgic interest. If you are a Davidsonville resident not currently receiving the magazine and would like to, please send your email address to david.grabau@n2pub.com.

clfrank@aacps.org

David Grabau will send you a free PDF version which you can open and read.



**Grain Elevator Delays Closing** 

nerdue Farms, the owner of the only grain elevator in southern Maryland, announced in January that it would close the facility on March 31 this year. This would leave farmers in the five southern counties-St. Marv's. Charles, Calvert, Prince George's, and Anne Arundelwithout a place to store their grain between harvest and sale.

After hearing the concerns of many farmers and receiving a letter from County Executive Pittman, the company announced that it will delay the closing until March 31, 2023, while it seeks a buyer for the storage facility; this may give farmers time to organize a cooperative arrangement for crop storage.

#### The Third Bridge

The location of the proposed third Bay Bridge span remains with three proposed sites in Anne Arundel, with the Sandy Point location the least costly and the least environmentally damaging.

## **Anne Arundel Medical Center**

The Auxiliary of Anne Arundel Medical Center, 2001 Medical Parkway, Annapolis, needs volunteers ages 18 and older, daytime and evening hours, weekdays and weekends. Positions include opportunities in patient interaction, customer service, and retail assistance. The auxiliary has been serving the hospital since 1944. Volunteers are an integral part of AAMC's mission of providing patient-centered, high-quality health care services. Please call the auxiliary office 443-481-5050 to volunteer or to request more information.

## THE VILLAGER



## **R**iver Currents Upcoming River Legislation

<sup>4</sup> Despite COVID-19 obstacles, this year's legislative session started on January 13 with more than 700

bills pre-filed in the Maryland General Assembly. Riverkeeper Jesse Iliff has kept abreast of developments at the State house and will focus on three key pieces of legislation this year: updating obsolete stormwater management regulations, increasing transparency of environmental enforcement efforts, and curtailing efforts by HOAs to prevent bay-friendly landscaping.

Senate Bill 227, adopted by the Senate, will update requirements for erosion and sediment control during construction, and stormwater management after construction, for buildings built after the bill's effective date.

House Bill 322 would prevent an HOA from requiring homeowners to maintain turf grass, and it increases costs for bay-friendly landscaping practices.

At Annapolis Landing, Arundel Rivers and the County's Bureau of Watershed Protection and Restoration are partnering to implement a 2,118-linear-foot stream restoration project in the Beards Creek subwatershed of the South River. This project will prevent 760 pounds of nitrogen, 124 pounds of phosphorus, and 9.3 tons of sediment pollution from entering Beards Creek annually.

#### A Cleaner, Greener Future for STYROFOAM!

n October 1, Maryland banned polystyrene foam restaurant containers. Riverkeeper Jesse Iliff testified in support of the ban on polystyrene foam restaurant containers in the General Assembly in 2018 and again in 2019, when the bill was finally passed.

Using data on the thousands of foam containers (commonly known as styrofoam) collected from the Federation's trash trap in Crab Creek along with scientific findings from across the world of the harmful effects on ecosystems and human health wrought by polystyrene foam, Arundel Rivers and other environmental allies persuaded our State legislators that we can do better.

Maryland is the first state in the nation to permanently do away with this particularly harmful rubbish. Support your local restaurants with a takeout dinner to celebrate, and this time, your food won't have chemicals from melted foam in it!

Until styrofoam is gone, it can be recycled in the bins at the styrofoam recycling dropoff site of EPS Industry Alliance, 1298 Cronson Boulevard in Crofton. Phone: 410-451-8340.



## Londontowne Symphony Orchestra

## The LSO will be back! Friday, March 26, 7:30pm

The concert will livestream over Facebook and YouTube. Watch for login instructions that will follow on <u>http://lso-music.org</u> to purchase tickets, sign up for the newsletter, and to donate. Opening with Dvořák's Piano Quintet No. 2 in A major performed by William Bloomquist, piano, with Paul Bagley, violin; Kristin Bakkegard, violin; Dorothy Couper, viola; Diana Curtis, cello; and concluding with Tchaikovsky's Serenade in C major for String Orchestra led by Anna Binneweg, Music Director.

We welcome your comments and suggestions; please send them to this address: <u>lsomd.boardmail@gmail.com</u>. Our mailing address is Londontowne Symphony Orchestra, PO Box 926, Edgewater, MD 21037.



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Anne Arundel County Farmers' Market Riva Road at Truman Parkway Market Days Sundays 10:00 - 1:00 all year round Saturday maket reopens in April Locally grown and locally produced foods Presenting fresh vegetables, salad greens, meats, artisan cheese, pasture-raised eggs, fresh-cut culinary herbs, milk, yogurt. The earliest hour is the most crowded Wear your mask and maintain social distance.

#### Watch us on local television! Your Farmers Market Today!

Comcast channel 99 and Verizon channel 39 Fridays at 5:30 pm, Wednesdays at 11:30 am For more information, check out the website at www.aacofarmersmarket.com, or contact by



email aacfmsecretary@gmail.com

## DACA OFFICERS Term until next election 2021

Term until next election 2021				
President	Bruce Stein	410-956-3759		
	bsteinesq@yahoo.com			
Vice President	H. Edward Woods	410-798-0764		
	pgchief181@gmail.com			
Secretary	Gail Enright	410-533-4766		
	info@daca-md.org			
Treasurer	Brian Stanton	410-798-9318		
Brian stanton63@yahoo.com				
DIRECTORS				
<b>Term to 2022</b>				
Christopher Asher christopher.asher@ampf.com 410-798-4704				
Sean Healy	roundrockinn@aol.com	301-848-6577		
Meredith McQ-Greason mrmcquoid@gmail.com 410-533-9923				
Cynthia Morgan	<u>glfriday@yahoo.com</u>	240-393-1311		
Term to June 2021				
Andrew Healy	andrewjchealy@gmail.com	703-307-5320		
Phil Livingstone	livingstonep1@verizon.net	443-607-8666		
Lynn Marano <u>bi</u>	llandlynnmarano@verizon.n	<u>et</u> 410-798-6670		
Melissa Stanton	brimeli@yahoo.com	443-858-7470		
Term til next election 2023				
Ray Alcorn	acornreno@gmail.com	410-956-0852		
Jeff Bishop	jbgansett1@aol.com	410-808-5597		
Kate Fox	fox4smith@verizon.net	410-956-4852		
Wayne Reid	wayne.reid@c21nm.com	410-798-9490		



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DACA web site. www.uaca-inu.org			
Bruce Stein	President	410-956-3759	
Gail Enright	Editor	410-533-4766	
info@daca-md.org and on Facebook			

The *Villager* is published at least six times each year. We invite your written and signed contributions of letters, articles, and community notices.

## JOIN DACA

**MEMBERSHIP:** I wish to be a member of DACA and receive the *VILLAGER*. At \$10.00 per year for each person, my check for \$\_\_\_\_\_\_ is enclosed, payable to DACA for membership for \_\_\_\_\_\_ person(s) for \_\_\_\_\_ year(s). Also enclosed is my contribution of \$\_\_\_\_\_\_ to DACA to help with the expenses incurred in the effort to maintain the quality of life that brought us to the Davidsonville area and to help guide the growth and development of our community OR \_\_\_\_\_\_ for the Scholarship Fund.

## DUES ARE \$10.00 PER PERSON PER YEAR

Mail to: DACA, P.O. BOX 222, Davidsonville, MD 21035.