

Vol. 49, No. 2

P.O. Box 222, Davidsonville, Maryland 21035

July–August 2022

DACA's Annual Meeting, June 9, 2022

The Board of Directors held this year's annual meeting in person while maintaining social distancing, with masks optional.

Thanks to the board and DACA members who attended. It was a small group, as was expected, because COVID kept many away even though masking was optional. Politicians received the same notification as DACA members, but not a special invitation—many are busily campaigning.

The Board found it helpful to meet new members face-to-face after encounters only by email or Zoom meetings. Several remarked that the board should continue to meet in person. However, the next scheduled meeting will be held via Zoom on Thursday, August 4.

Margie Chase and Grayson Morgan were elected to the board term through June 2025, along with incumbents Sean Healy and Meredith McQuoid-Greason. New member Ashley Keres was elected as an at-large mem-

ber for one year, and if any current members leave the board she will fill the unexpired term. Current officers were elected to another one-year term.

All *Villager* recipients are asked to check their junk email boxes until you are sure info@daca-md.org messages are going into your Inbox, as we are recovering from the errors of Outlook.

You've Made Your Meadow for Pollinators

Plants are sprouting and the pollinators are coming in. A number of DACA members picked up their free wildflower seed packets from Bowen's Farm Supply to create their own meadows for bees, butterflies, and other pollinators. Wildflower seeds are still available at Bowen's, and it's not too late to plant now.

James Miller at the Riva Road store still has the seed in stock in quarter pound packs to sow up to 1,000 square feet. If you have more space than that, you may take more. Directions for planting are printed on the packs.

See pages 10 and 13 for more pollinator programs.

Thank you to Bowen's Farm Supply!



Monarch working



Honeybee on a flower

THE VILLAGER

July-August 2022

Notes to DACA

Many thanks to the Bradley family, to Nick Kemp and Kay Osburnsen, and to Tom and Glee McMahon for their gifts to DACA in addition from our from our Members

to renewing their dues, and to Fran Canavan and Teresa and Hassan Sadeghin for their generous gifts to DACA and to the Scholarship Fund.

Thank you for all you do. S.B. and T.S.

Thank you for keeping us informed of our community. G.M.

Dear Gail:

I am delighted to report that I graduated from the University of Maryland in December 2021 with my degree in Kinesiology. By graduating early, it gave me the opportunity to work full-time and spend time applying to the University of Maryland (College Park) for their Master's degree program in Education. The DACA scholarship was extremely helpful as you can imagine. That along with all of my classes and credits from AACC, helped to give me a step up to transfer all my credits to U of MD College Park so I could graduate early. I was accepted into the U of MD program and classes began the first week in June! *Sarah Healy*



Report a Concern to Anne Arundel County

Ifrequently use the Anne Arundel County reporting web page (for dead animals, pot hole repair, downed trees at Davidsonville park, etc.) and just reported a trash pile by the side of Patuxent River Road. I have been very impressed by the responsiveness of the County. Reported issues have all been resolved in hours or days to my continued surprise, so I encourage everyone to share with neighbors and save it in your phone and computer browser's favorites! The last question on each report submission asks how you want to send it and I usually select the last one, Guest, as I don't have a formal account on the county web page. *Gray Morgan* <u>https://www.aacounty.org/services-and-programs/repo</u> <u>rt-a-concern</u>



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Scholarship Angels

Many thanks to this illustrious and generous group of DACA Scholarship supporters. It began with Tom and Kris Angelis in 2017 and has grown steadily through 2018, 2019, 2020, 2021, and 2022.

Now it is ready to grow even more! Please mail your check designated for Scholarship to DACA, PO Box 222, Davidsonville, MD 21035 or you can donate via PayPal on the website <u>www.davidsonvillemaryland.org</u>. Thank you!

Tom and Kris Angelis Robert and Ann Bradshaw Scott Cannon Kevin and Sharon Carlton Iennifer and Robert Dorr Gail Enright Patrick Maslar Family Veterinary Clinic Bert and Debby Kappel Nick Kemp and Kay Osburnsen Judy Kienast Betty Knupp Bernie and Mary Lu Lammers Elizabeth and Keith Lewnes Lynn and William Marano Richard and Mary Evelyn Mayr Meredith McQuoid-Greason Cyndi and Grayson Morgan George Picot and Jean Rock Teresa and Hassan Sadeghin Dr. Carol Samango-Sprouse Brian and Melissa Stanton Bruce Stein Steve and Debbie Williams Marilyn Williamson





DACA Awards Scholarships

Voting members of the Board of Directors unanimously approved the recommendations of the Scholarship Committee to award DACA's 2022–2023 scholarships in the amount of \$1,000 each to Ava Stanton and Sarah Healey.

Ava is in her second year at the University of Pittsburgh. Sarah will complete her MA in Education at University of Maryland.

Ava and Sarah are highly qualified and deserving for their high academic achievements and records of community service as well as their glowing references. Great candidates and shoe work by the scholarship committee!

Thanks to the generosity of DACA members who have made the Scholarship Fund sufficient to cover these awards, and still retain enough in the account for a good start for next year's applicants.

DACA Needs a Recording Secretary

Last year Kate Fox took on the task of taking minutes during board meetings. She wishes to be relieved of that responsibility as she is DACA's very active link with the Growth Action Network, keeping an eye on the actions of the County Council and Administration. DACA's board is seeking someone, on or off the board, to attend board meetings, take minutes, and send the draft to the board members for comment and approval at the following board meeting.

Gail's Enright's position as secretary entails maintaining the membership rolls and communicating with our members. She will also continue as editor of the *Villager* with help from Meredith McQuoid-Greason.



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Local Agriculture Report from Margie Chase

Congratulations to the Anne Arundel County Farm Bureau for celebrating its 100-year anniversary. From the County Office of Community Engagement: "County Executive Pittman celebrated with the Anne Arundel County Farm Bureau as they marked 100 years of hard work on behalf of farms and in support of rural life and traditions. Being a farmer himself made this milestone especially meaningful. Congratulations, Farm Bureau, and thanks for all that you do!"

Too much rain that fell in May made it difficult for hay farmers to cut and bale their hay. They spent their Memorial Day weekend working to catch up. Wheat farmers were able to harvest their wheat and bale the straw before the rain started up again. Drivers in rural areas must watch out for tractors and farm equipment on the roads traveling between separated fields and home as they are planting and harvesting crops.

Farmers who sell meat directly to consumers continue to experience difficulties in getting their livestock butchered in a timely manner, and butchers' charges have been increasing. Fertilizer and chemical prices are rising and diesel fuel prices are soaring, another increase in farmers' expenses this year. Livestock farmers are seeing an increase in sales, and some have actually sold out until 2023.

Local produce is coming in later than normal due to the cold spring. Farmers' stands now have some local tomatoes as well as cantaloupes, seeded and seedless watermelons, zucchini and yellow squash, cucumbers, green beans. We hope to have some eggplants and green peppers soon.

Urban Farming is catching on everywhere. An Urban Farming Research Center is being built near the AA County Extension office in Gambrills. When completed, the two-acre greenhouse will be the site for production of pumpkins, popcorn, Indian corn, and sunflowers. Owners of backyard flocks of birds need to be aware and concerned about Avian Influenza, now showing up on Maryland's Eastern Shore and in Delaware, Pennsylvania, and New Jersey.

Perdue AgriBusiness announced a year ago that it will close its Lothian Grain Elevator next year. This will have a negative impact on smaller farmers who don't have on-farm storage bins and cannot justify having to drive the many miles to the Eastern Shore or to Western Maryland.

ANNE ARUNDEL COUNTY FAIR, INC. 1450 Generals Highway (Route 178) Crownsville, MD 21032

The greatest fair in the county will take place Wednesday through Sunday, September 14–18. Besides the rides and food, it will feature the youth of our 4H and FFA clubs.

The Fair's **Livestock Auction** is the culmination of a year's work for our young 4H-ers and FFA members, who select, purchase, feed, and groom livestock to be judged, graded, and sold at the Fair. Their projects include steers, lambs, hogs, and, for the first time this year, poultry. Judging will take place on Monday, September 12, between 2:00 and 8:00 pm.

Anne Arundel County 4-H Youth Development, a program of the AA County Economic Office, is looking for adults to assist in judging 4H projects at the county fair. You are invited to volunteer to help at our agricultural showcase every September. Instructions will be provided when you arrive. If interested, contact Joy Sim at jsim@umd.edu.

The fair's indoor exhibits in the Exhibits Building will showcase the agricultural, horticultural, culinary, and creative abilities of entrants. You are invited also to submit your own entries or simply come along and admire the photography, artwork, crafts, baked goods, honey, jams, jellies, pickles, relishes, summer vegetables and more!

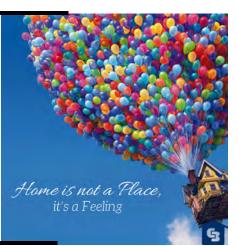


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Start School Later by Lisa VanBuskirk

D^{r.} Mark Bedell took office as the new Superintendent of AA County Public Schools on July 1. He will work with the Board of Education to implement the changes in school hours and transportation improvements.

SSL celebrated our school system's last day of 7:30 am high school and 9:45 am elementary school start times. WBAL interviewed me and some Annapolis High School students about the changes to the start times. The broadcast included a clip from the new Superintendent's press conference, in which he expressed support for the new hours by acknowledging that some students work late and would benefit from later school start times.

Just hours before the Board of Education's June 1 meeting, the County Council passed Resolution 12-22 with a 5–2 vote, encouraging the school system to delay implementation of later start times until the 2023–2024 school year, targeting Superintendent Dr. Bedell, interim Superintendent Monique Jackson, and Zach McGrath, the new student member. Please email the Board of Education in August to thank them (again), for their consistent support of students via healthier, safer, and more age-appropriate school hours for next school year! Their email addresses are on page 14 of this *Villager*.

Logistical challenges to implementation remain, but to delay now will be harder on many families who are already making accommodations and/or have sought alternative child care. New school bus routes (computer generated nearly seven years after software was purchased) were tested last week, and feedback from bus drivers was received; only two months remain to improve the routes before school begins.

In June, AACPS released ten videos and updated their website. These videos are designed for magnet

schools, specialty schools, the seven councilmanic districts, and an excellent video for students made by Bunmi Omisore, the past student member of the Board. The website includes a section where anyone can submit a question, with a response promised within two days.

Job opportunities available next school year: child care with Department of Parks and Recreation and private childcare providers; crossing guards with police departments; bus drivers and bus assistants with AACPS. Please share this information with your friends and networks.

Thank you for your continued support. We are just two and a half months away from the implementation that has been multiple decades in the making. It would not be possible without your testimony, emails, social media posts, letters to the editor, and votes to elect members of the school board committed to seeing later school hours implemented.

Primary Election Candidates Councilmanic District 7

Shawn Livingston Email: peopleforshawn@gmail.com Website: www.shawnfor7th.com Facebook: shawnfor7th Shannon Leadbetter Email: sleadbetterforcouncil@shannonleadbetter.com Website: www.shannonleadbetter.com Facebook: Shannon Leadbetter for County Council District 7; Phone (443) 332-8839 Cailey Locklair Email: caileyforcouncil@gmail.com Website: www.caileylocklair.com Facebook: @caileylocklairforcouncil

Phone (443) 584-5797 Dawn Pulliam

Email: <u>cdawnpulliam@gmail.com</u> Phone (240) 478-2658



Patuxent River Commission Expanded

To mark the end of the Legislative session, the May 27 issue of *Maryland Matters* reported, "The governor allowed 294 bills to take effect without his signature, including measures that would increase salaries for the state's comptroller, treasurer and attorney general next term, and to add the Patuxent Riverkeeper as a permanent member of the Patuxent River Commission."

AA County Board Commissions Seek Volunteers

The AA County government is currently filling vacancies on several volunteer commissions. If you want to get involved and learn more about local government, now is your opportunity.

The Agricultural Land Preservation Advisory Board has one vacancy specifically seeking a Forestry Representative.

The Animal Welfare Council has one vacancy for a representative of the Friends of Anne Arundel County Animal Care and Control.

The Arts Council of Anne Arundel County has one vacancy.

The Board of Electrical Examiners has one vacancy for a professional electrical engineer.

The Citizens Environmental Commission has three vacancies, seeking residents who live in one of the following watershed areas: Upper Patuxent, Middle/ Lower Patuxent.

The Commission on Disability Issues has three vacancies.

The Ethics Commission has two vacancies.

The London Town and Gardens Foundation Board of Trustees has one vacancy.

The Maritime Industry Advisory Board has one vacancy for a Riverkeeper representative.

For more information and to request a membership form copy this link into your browser line: https://www.aacounty.org/departments/county-executi ve/commission-membership/





Growth Action Network

SCCA

South County Concert Association

You are invited to join the South County Concert Association for our upcoming 47th concert season. We are pleased to offer a variety of outstanding performances,. The concerts will be held at Southern High School on Route 2 in Harwood.

The cost for the 2022–23 season is \$70 per adult; students 18 and under will be admitted free. As in the past, we are committed to offering top-quality attractions at an affordable price. This is possible because we are an all-volunteer nonprofit organization supported by subscriber fees, donations, and grants.

Donations allow us to present more expensive programs as well as offering two scholarships for Southern High School seniors who want to pursue study in the arts. We welcome donations of any amount, which are tax deductible to the donors. Those who contribute \$50 or more will be recognized as patrons in our program.

Our web site is www.SouthCountyConcert Association.org. You can subscribe by a credit card through our web site, by mail, or by bringing payment to our first concert.

South County Concert Association 2022-2023 Season Southern High School, 4400 Solomons Island Rd. (Route 2), Harwood, MD 20776 Sultans of String Tuesday, September 20, 2022, 7:30 pm The Everly Set Saturday, October 22, 2022, 7:30 pm Hurray for Hollywood Thursday, November 17, 2022, 7:30 pm Peacherine Raqtime Orchestra Tuesday, January 24, 7:30 pm Divas Three Friday, March 10, 2023, 7:30 pm Ilya Yakushev q Thomas Mesa (piano and cello) Monday, April 24, 2023, 7:30 pm

Please contact Betty Knupp for more information and a brochure: 410-956-4881.

Kate Fox sent this message from GAN to alert readers to pending legislation relating to zoning. Bill # 63-22 was introduced on June 6 by District One (Jessup) Council Member Sarah Lacey and was amended.

The Adult Independent Dwelling Unit bill may be voted on Monday, July 18, but GAN determined that it needs further work since it was amended. If not passed, it will expire September 9, 2022.

The bill was prepared for the purpose of establishing maximum density allowed in R1, R2, and R5 residential districts for adult independent dwelling units served by public sewer and located within a two-mile radius of an assisted living facility, a County library, or a community center. It will have the most impact in densely developed north county but will be in effect for the entire county. It is intended to promote construction of Adult Independent Dwelling Units and may be voted on at the coming Council session on July 18. The GAN Legislative Committee feels that the bill has many loose ends and needs a more thorough review by both Council members and citizens.



THE VILLAGER

Safety on Davidsonville's Major Roads

President Bruce Stein wrote to the State Highway Administration and the county's Department of Public Works to suggest solutions to unsafe conditions on our roads. After inviting input from DACA members and much editing and streamlining in the effort to secure the attention of administration officials, the letter, here paraphrased, was addressed to James Ports, Secretary of the Maryland Department of Transportation and to Christopher Phipps, Director of AA DPW, and was sent at the end of May with copies to ten state and local officials:

Dear Mr. Ports and Mr. Phipps:

The Davidsonville Area Civic Association (DACA) was founded in 1974 by concerned citizens to guide the growth and development of our rural community. DACA advocates on behalf of residents on issues of concern relating to Davidsonville and the surrounding area.

DACA frequently receives comments and expressions of concern about conditions on and surrounding Central Avenue (MD 214), Davidsonville Road (MD 424), and Riva Road.

1. Children living in residential neighborhoods near Davidsonville Elementary School are transported

by school bus because there is no safe way to cross or walk along Central Avenue. Possible solutions near the school include:

a. A well-marked crosswalk and use of a crossing guard.

b. Extending the existing sidewalk on Central Avenue east from Foxhall Drive as far as Cottage Farm Way, or farther.

c. Upgrading the existing School Zone warning lights to improve their limited effectiveness (when last observed, they worked only for westbound traffic).

2. Westbound traffic on MD 214 and the right turn onto northbound MD 424—ever increasing—cause congestion on #214. A longer right-turn lane would ease this problem.

3. Eastbound traffic on #214 from the elementary school to the intersection with #424 increases in speed as it passes Lakemont Cemetery and goes around the bend approaching the homes, churches, and store. Speeding traffic on the blind curve endangers vehicles exiting left from All Hallows Chapel, Holy Family Church, and the adjacent residences. A speed limit between Timberlake Farm Road and some point east of Homestead Gardens, reduced from 40 mph to 35 mph, and (*next page please*)





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Traffic on our roads (from previous page)

an adequate speed warning light showing the speed of each vehicle (as in the community of Riva) should be installed at both ends of the reduced speed area.

4. The busy and complicated T intersection of Riva Road with Central Avenue needs a full service traffic signal. Vehicles move in all directions—north, south, east, west—from roads and driveways entering and exiting the gas station, auto service businesses, and residences. These concerns will be amplified when and if either of the following proposed developments occur:

a. Two large housing/commercial projects are approved in Parole at the north end of Riva Road, which will increase traffic on Riva Road to and from Central Avenue.

b. The two residential lots on both sides of Riva Road on the north side of Central Avenue were rezoned to allow for small business development. When either property is so developed, the present intersection cannot accommodate the resulting change in the traffic pattern.

The land around the intersection of Central Avenue and Davidsonville Road is designated as a Historic Crossroads. DACA wishes to see its historical nature preserved and we believe that safety for drivers and pedestrians is essential to this preservation. DACA would like a better understanding of the State's plans for this location, and traffic engineers and local officials to better understand our community's concerns and goals.

While we understand that much of what this letter addresses is the responsibility of the State, county roads are also involved. We ask that AA County representatives be included in all traffic and road discussions and that a productive line of communication be opened so all parties can cooperate to improve the Central Avenue corridor through Davidsonville. Sincerely, Bruce Stein, President

Chris Phipps wrote to Bruce Stein: "This is to acknowledge receipt of your letter enumerating concerns with traffic and operations along MD 214 at various intersections throughout the Davidsonville community. As you note, all of the roads and intersections are under the authority of MDOT/SHA but will require coordination with County agencies including the Board of Education, Office of Planning and Zoning, Office of Transportation, and Public Works. I have copied key representatives from those agencies as well and I can assure you that Anne Arundel DPW stands ready to support any assessments required by the SHA and to assist with implementation as needed. Public Works will defer to the SHA regarding the next steps to conduct warrant analyses on any of the suggested ideas or concerns raised and whether there is a reasonable and logical way to stage or sequence them. Thanks, Chris Phipps, P.E., Director, Department of Public Works

Kimberly Tran, District 5 Engineer, with whom DACA has exchanged numerous past communications, responded (with copies to all ten recipients of DACA's letter) with a detailed and thoughtful enumeration of each of DACA's concerns, in which she cited the parts of the traffic code pertaining to them, the agencies that would have to deal with them, and the contact information for each.

Regarding the Hazard Identification Beacons at the school, she said they are scheduled to be replaced with new signs this summer—perhaps not all we asked for, but still a significant improvement.

Regarding issues along MD 214, Ms. Tran said that the SHA District 5 Office reviewed speed limits from Timberlake Farm Road through the village to Riva Road last year and identified opportunities to install additional speed limit signs [not specifically reducing speed limits] and will review this area again to compare results. She said this review may take up to 120 days and SHA will share their findings with DACA.

Regarding the Historic Crossroads at MD 214 and MD 424, SHA has no plans to modify that intersection. Any development, including that on Riva Road, is in the purview of local government and the responsibility of AA County Planning and Zoning.

DACA was surprised and gratified to receive prompt, thoughtful letters from SHA and AA County DPW. We truly appreciate the responses from these very busy officials and the care they took to respond to DACA's letter. Now we must not only wait for results, but keep in touch to learn how they are progressing on these various issues.

If and when these big issues are resolved, there will be more concerns and questions, as population and traffic increase and create more changes in our neighborhoods.



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Master Gardeners Pollinator Project

A program of UMD Extension Service

This summer, through October 15, Pollinator Project members of the Anne Arundel County Master Gardeners Beekeeping Project will discuss beekeeping, including the life and decline of honeybees and how we can create safe and welcoming habitats for all pollinators by planting native plants and practicing sustainable gardening techniques. Weather permitting, we will have an "observation hive," allowing visitors to watch honeybee activity without concern of being stung.

We invite children and adults to learn about products of the beehive (such as honey and beeswax), members of the beehive, and how bees make honey. Most demonstrations are held at Quiet Waters Park in Annapolis and at Hancock's Resolution in Pasadena.

2022 Master Gardener Demonstrations

Anne Arundel County Ask-A-Master Gardener Plant Clinics will be held at the Anne Arundel Co. Farmers Market at Riva Road and Harry S. Truman Parkway, Saturdays, April 16–October 8, 8:00 am–12:00 pm, and at the Crofton Library, 1681 Riedel Road, Saturdays, April 15–October 15, 10:00 am–1:00 pm.



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The Queen wears a bright spot and stands out among her worker "subjects."



We are devoted to protecting and restoring a very special place—the South, West, and Rhode Rivers of Anne Arundel County.

We use a science-driven, community-based approach to improve the water quality of our rivers, and we're not afraid to get our boots muddy.

We pursue thoughtful restoration strategies to make our rivers and creeks safe for swimming and boating and to protect natural resources like fish, oysters, and crabs. Our stream, wetland, and shoreline projects create wildlife habitat, reduce flooding, and help stop stormwater pollution.

The South, West, and Rhode Riverkeeper acts as the eyes, ears, and voices for our local Rivers. Our organization is wholly focused on achieving our vision of clean, healthy, sustaining waterways for our local communities.

Arundel Rivers Federation was created on January 2, 2019, and is the result of the consolidation of South River Federation and West Rhode Riverkeeper, Inc.

Matt Johnston is the Executive Director of the Arundel Rivers Federation. His email address is matt@arundelrivers.org

Jennifer Carr is the Director of Restoration. Her email address is jennifer@arundelrivers.org

Katie Mullen is the Rivers Program Manager. Her email address is <u>katie@arundelrivers.org</u>

The Federation is effective because of the people who live, work, and play on the South, West, and Rhode Rivers.

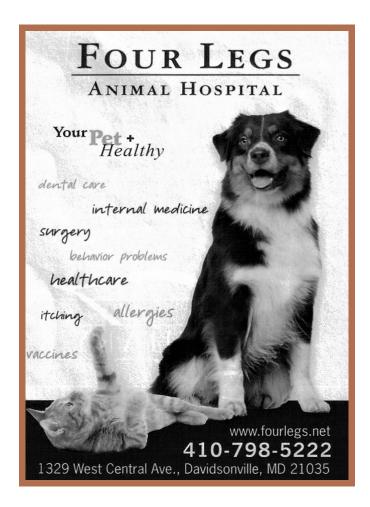
THE VILLAGER

Assisted Migration by Gary Antonides

From the Spring 2022 Newsletter of the Chesapeake Environmental Protection Association

As the climate changes, both plant and animal species attempt to adapt to the changes. In many cases, it means moving habitats north or to higher altitudes. If the climate changes are gradual, most species can adapt or migrate to more suitable areas. But if the climate changes too fast, many species could disappear. To help some species migrate, biologists are planting seeds or seedlings farther north or at different altitudes than their present range. In the article"Freshwater Ecology Conservation Lab" (CEPA newsletter, November 27, 2017), Molly Payne offered some examples.

The conifer tree *Torreya taxifolia* once grew in abundance in ravines along the Apalachicola River on the Florida panhandle. After decades of decline, the species is now considered critically endangered. In a last-ditch effort to save the species from extinction, a group known as the Torreya Guardians translocated saplings far northward to an area in North Carolina where it had never previously existed.



This seems to be preserving the Florida Torreya, but it raises the question of whether or not humanassisted introduction of species for conservation purposes is justified despite potential risks of collateral damage. This intentional movement of organisms from current areas of occupancy to locations where the probability of future persistence is predicted to be higher is known as assisted migration, and it has come under fierce debate. It is a relatively new concept, born of the perceived need to prevent the extinction of species unable to move or adapt fast enough in response to climate change.

In a different case, a team of researchers transplanted the marbled white butterfly (pictured) to an area north

of its native range in England. The butterfly was able to successfully establish a reproducing population without having a negative impact on



the native biological community. The researchers cite similarities between the inhabitants of the recipient ecosystem and the inhabitants of the butterfly's native range as the reason for successful integration. In this example, the butterfly was preserved and it did not appear to harm the recipient community.

But many in the scientific community argue that there is considerable uncertainty and risk involved in transplanting a novel species to an unfamiliar and new location. It is difficult to predict how an introduced species will interact with a new community, or what unforeseeable parasites and pathogens it may carry. Further, lagged responses are possible, where an introduced species does not cause damage until several decades later, when it is too late to reconsider translocation.

As an example of a bad outcome, the watercress darter is an endangered fish species that was translocated to a spring outside its native range, where it successfully established a reproducing population. Unfortunately, unexpected and devastating competition by the watercress darter led to the extinction of the native rush darter just a few years later.

(Next page please)

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Assisted Migration (from previous page)

The scientific community is still unclear on whether to support or abandon the concept of assisted migration. It is a conservation strategy for which there are documented examples of success, as well as many examples of the dangers of species introduction. There are other options to reducing a species' risk of extinction, including increasing habitat connectivity to allow species to gradually migrate themselves, and reducing habitat loss and extinction rates. But, in some cases, if these are impractical or unsuccessful, it may be decided to utilize assisted migration.

Assisted Migration of Forests

We cited two examples where assisted migration was used for animal life, but plant life is naturally more endangered by climate change than animal life due to its lack of mobility. For many reasons—including carbon sequestration, wildlife habitat, mitigating runoff, and supporting the lumber industry—forests have received much attention with regard to assisted migration.

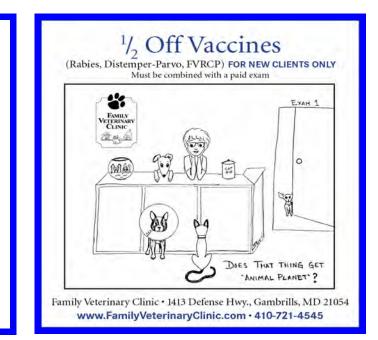
Recent research has demonstrated that many tree species are already undergoing distribution shifts in response to climate change, with different studies highlighting species that are moving poleward and toward higher elevation, or moving east–west to track changes in moisture availability. Many factors can complicate species movement across a fragmented landscape, so changes we expect from climate change may be hard to observe. Research on Douglas fir and ponderosa pine indicated different genetic subspecies may have different responses to climate change and different levels of vulnerability. Causes other than climate change that have contributed to tree species movement in the eastern USA include ecosystem succession following intensive logging, human land-use changes, and wildfire suppression.



Based on observed and projected rates of climate change, there is an expectation that some important species will not be able to migrate quickly enough. Natural migration over long distances requires several generations, because trees require several years to get to reproduction age. Recent estimates indicate that postglacial migration rates for many tree species were 100–500 meters per year. Recent rates of climate change for large areas of the Midwest, Great Plains, Southeast, and isolated locations in the western US have been from 1,000 to 10,000 meters per year. For species with very specific habitat needs or ranges limited by physical barriers, such as fragmentation or geographic features, the entire species could be at risk of extinction due to climate change.

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Jug Bay is located within the tidal reaches of the Patuxent River in southern Anne Arundel County. It was established in 1985 and is operated by the Anne Arundel County Department of Recreation and Parks. The Sanctuary protects about 1,700 acres of unique tidal freshwater marshes, forested wetlands, upland and riparian forest, creeks, meadows, pine and sand barrens, and fields along the Patuxent River. This protected land provides a safe haven for a high diversity of plants, insects, mammals, amphibians, reptiles, birds, fish, and microbes, and to rich Native American cultural resources.

Jug Bay Wetlands Sanctuary is the home of a very unique habitat named sand barrens! Because of the nature of the deep sandy soils found in this habitat, water drains rapidly giving it the characteristics of a "microdesert." This unusual soil type has led the local flora and fauna to be very different from surrounding areas. Because of this, this habitat has been the interest of scientists including Dr. Don Harvey (Department of Entomology, National Museum of Natural History) and his collaborator Dr. Timothy McMahon, who are conducting a native bee survey at the sand barrens.

Their preliminary findings are exciting! Since the spring of 2018, Don and Timothy have found some rare and unusual species, but the most fascinating find so far is a large aggregation of nests of a very small bee, *Perdita bradleyi*, which has been found only once before in Maryland, in sand dunes on Maryland's Eastern Shore. The thousands of nests they found seem to be the largest nesting aggregation known. They have also found hundreds of the tiny, rare cleptoparasite *Sphecodes brachycephalus* flying over the nesting area of its host, *Perdita*. This bee, their rarest find so far, is a new record for Maryland. Both Don and Timothy expect their survey will turn up more surprises in the future!



Perdita bradleyi, one of the bees caught in the sand barrens habitat at Jug Bay, with pollen loads on her hind legs. Photo by Sam Droege.

The Audubon of Maryland–DC designated Jug Bay in 2016 as an Important Bird Area. Jug Bay is a site of statewide importance for bird conservation as its extensive tidal freshwater wetlands support important populations of freshwater marsh bird species such as least bittern, sora, and Virginia rail. *(From Jug Bay website)*



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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.





STROLL DAVIDSONVILLE

Davidsonville Country Living has renamed itself to say what so many folks want to do: Stroll Davidsonville. The magazine is still 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 <u>david.grabau@n2pub.com</u>. David Grabau will email you a free PDF version which you can open and read.



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You Can Own a Piece of Davidsonville Memorabilia

When Wendell and Sandra Myers decided to downsize before moving to another community, they uncovered a number of prints of local landmarks painted by Mildred Anderson. They chose which ones to keep, and moving to a smaller home motivated them to offer four scenes to DACA to sell as a fundraiser. The nicely framed 24" \times 16" pictures and are memorable keepsakes of the community in the past 50 or 75 years. They will make nice gifts.

Mr. and Mrs. Myers also contributed a Jim Beam model ambulance containing an unopened bottle of Jim Beam whisky.

You can <u>make an offer</u> to purchase any or all of these items for the benefit of DACA. Please send email to <u>info@daca-md.org</u> for any additional information.



Collector's Item: Jim Beam toy ambulance, containing 1.75 liter whisky bottle never opened (licensed and stamped). $17" \log \times 6\frac{1}{2}" \text{ wide } \times 7\frac{1}{2}" \text{ high}$



The original Holy Family Catholic Church on Central Avenue (1977) (now their chapel). Frame $19" \times 16"$



1970s View of the Davidsonville Farm Supply on the corner of #214 and #424, now the Davidsonville Deli. It also housed the Davidsonville Post Office, operated by the store's owner, William Neall. Frame 16" × 19½"



The Community Hall (1921–1977) owned by All Hallows Episcopal Parish, located between the store and the Rectory. It served as a meeting place for all community events—dinners, dances, polling place, plays, piano lessons and recitals, fund raising fairs, and more. Frame 17" × 13"



The 1940–50s era Davidsonville School, as described by Mrs. Bottner in the Villager (May–June 1994) and in *Davidsonville Country Living* magazine. Frame $19\frac{1}{2} \times 15$ "

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July-August 2022



Anne Arundel County Farmers' Market Riva Road at Truman Parkway

Market Days Wednesdays 4:00–7:00 pm Saturdays 7:00 am–12:00 noon Sundays 10:00 am–1:00 pm Locally grown, locally produced foods Presenting fresh vegetables, salad greens, meats, artisan cheese, pasture-raised eggs, fresh-cut culinary herbs, milk, yogurt, more! The earliest hour is the most crowded.

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 <u>www.aacofarmersmarket.com</u>, or contact by email <u>aacfmsecretary@gmail.com</u>



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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 \$20.00 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 \$20.00 PER PERSON PER YEAR

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

Your comments, your interests?