



S.A.V.E. NOTES

News from the Science Alliance for Valuing the Environment

VOLUME 31, ISSUE 4

APRIL 2021

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Pandemic Ponderings

The spring weather coming in gives us some hope for the coming of warmer days, sprouting leaves on trees and flowers blooming. The pandemic, however, is still with us, and at the time of my writing this the numbers of cases in Ohio and especially the Sylvania area is very high. I find myself reading much more now, and I came upon something I would like to share with all of you.



Scientists and spiritual writers are collaborating on a recent focus which is becoming clearer and clearer as they delve into the topic of the Universe. This entity has come to reveal some amazing things. Science tells us that the Universe is expanding rapidly in all directions. It's been described as dough with raisins in it and, as it begins to rise, the raisins move farther and farther from each other. This appears to be a one-time event never to be repeated and that complexity increases with time from smaller species to larger more complex species of life. We humans are the only species that can reflect back on itself and wonder about these discoveries. It appears that the Universe is going someplace, has a real purpose and that its direction is always moving forward. It has never gone backward since it began. Amazing! Is the Universe a Living Universe? I ponder questions that surfaced within me and perhaps you have others:

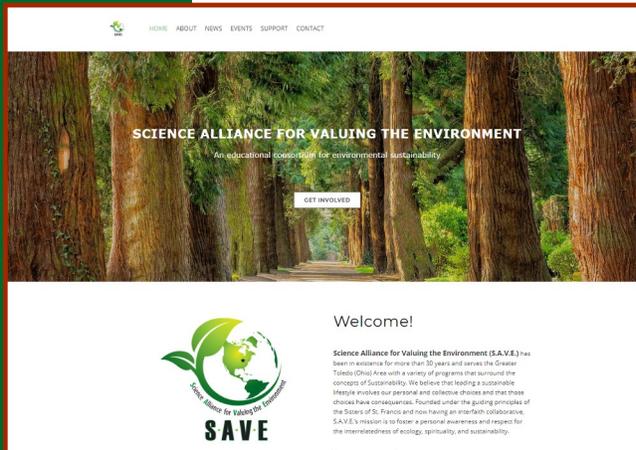
- Where is the Universe going?
- Why am I a part of this amazing insight?
- Is this Universe really a Living Universe?
- Are we called to be a more compassionate people?
- Does this give us HOPE that there is much more to life's meaning?

I invite you to take some time to ponder this concept while we are cautioned to be more at home. Maybe working for S.A.V.E. is just a small part of a much larger picture. Could it be that COVID is giving us time to search for some deeper meaning about life in a Living Universe?

New spring! New ideas! New thoughts! New focus! Amazing 2021!

Sister Rosine Sobczak, OSF
S.A.V.E. President

S.A.V.E. announces launch of new website



The S.A.V.E. board is pleased to announce the launch of a new website for the organization this month at www.sciencealliancesave.org. This site has been in development for the past several months and will serve as the online hub for all information pertaining to S.A.V.E. and its activities.

Here you will be able to find the latest news and announcements, including details about upcoming lectures and other events. You may apply to be a member of S.A.V.E. or renew your membership and pay your dues online via PayPal. Donations are accepted through the website, and visitors can learn about other ways to support the organization. The website also includes a page dedicated to our corporate sponsors.

In addition, the site includes an archive of newsletters as well as video recordings of previous lectures. We invite you to visit our new online home and let us know what you think!

S.A.V.E. was established in August 1990 by a group of concerned citizens who wanted to make a difference and promote a love and appreciation for our natural world. It is a non-profit 501(c)(3) organization.

President
Sr. Rosine Sobczak, OSF

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Co-Founders
Sr. Rosine Sobczak, OSF
Charlene Czerniak, Ph.D
Linda Penn (deceased)

Join us on Facebook for more updates!

Don't forget to follow us on social media at www.facebook.com/savesciencealliance to receive more news, updates on lectures and other happenings from S.A.V.E. in your newsfeed!



Financial Report

This report covers January and February, 2021. Receipts include a large anonymous donation from the same individual who gave a significant amount for a memorial earlier this year. All Good Things sales for the last several months were also deposited in this period. S.A.V.E. paid fees to two speakers to provide FREE TO THE AUDIENCE lectures. Monies were spent to develop our newly launched website at www.sciencealliancesave.org.



Thank you to those who responded to our postcard membership renewal program! We still have a number of members who have not renewed their membership with dues. Please consider renewing your membership by paying annual dues. Checks may be mailed to our office or dues may now be [paid online through our website!](http://www.sciencealliancesave.org) We continue to seek new members and board members and additional contributions.



The cicadas are coming!

Just like clockwork, be prepared because the offspring of the Brood X cicadas that have been underground for the past 17 years are due to emerge this spring! There will be millions of them and we in the Midwest will be in the thick of it! They are harmless to humans, but they leave holes in the ground so air and water can enter and help the decaying adults return nutrients to the soil. Females will lay eggs on small tree branches and can cause significant damage to saplings but hardly affect more mature trees. Cicadas have been underground for 17 years so when they emerge, they have one thought in mind — mating and egg laying. The noise of these creatures will be very loud as males in tree tops invite females. Once eggs are laid, adults die and little “rice grain” eggs will go back into the soil for 17 years and start the cycle again.

-Todd Christopher, National Park, Spring 2021.

EDF sets priorities for new administration

“The Environmental Defense Fund’s (EDF) mission is to preserve the natural systems of which all life depends. Guided by science and economics, we find practical and lasting solutions to the most serious environmental problems.”

EDF has set forth five priorities for President Biden:

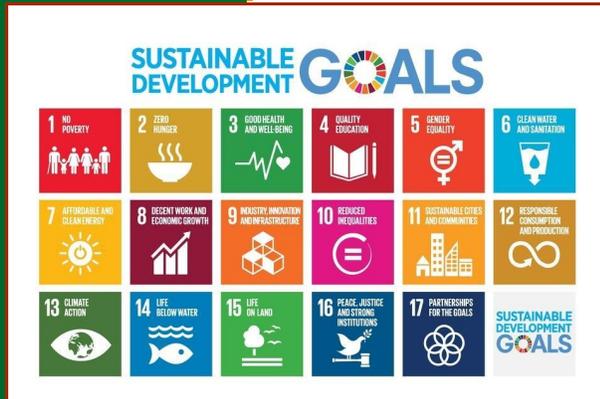
- 1) Renew U.S. Climate Leadership worldwide. A climate team is primed to restore U.S. leadership and reinvigorate the global climate fight. Rejoining the Paris Climate Agreement is step one with many more efforts to come.
- 2) Power up the economy. While still recovering from COVID, we need to secure a better future by de-carbonizing the power sector and electrifying transportation as sought for goals. Stimulus packages received gave the economy a boost.
- 3) Start listening to science again. EDF founded by scientists relies on science to create efficient policies to address pollution and advance public health.
- 4) Protect communities from pollution and toxic chemicals. Relaxing environmental regulations, chemical fires and air pollution increase affecting people in low income areas near big businesses. Toxic chemicals and polluted water are equally harmful.
- 5) Build better climate resilience. Bipartisan endeavors need to advance climate resilience to better prepare America to withstand the effects of climate change already seen in increased forest fires, drought, flooding, weather anomalies and soil damage to name a few.



Finding the ways that work

-EDF, Vol. 52, No. 1/Winter 2021

Speaker highlights UN Sustainable Development Goals



Dr. Arthur Dahl, President of the International Environmental Forum, was our March 2021 S.A.V.E. lecturer and presented on the 17 areas involved in the United Nations Sustainable Development Goals. Because Dr. Dahl was presenting live from his residence in Geneva Switzerland, S.A.V.E. moved up the live presentation to start at 2 p.m. EST.

Dr. Dahl's presentation focused on areas covered in the 17 SDG, their importance, and the current status of these goals from an international perspective. He also presented ideas on what can be done at the local and regional levels to achieve these goals.

2020-2021 S.A.V.E. Lecture Series

Local meteorologist discusses climate change locally and globally

Local meteorologist Chris Vickers was the presenter for our January lecture, held virtually Jan. 19 over Zoom. Mr. Vickers, a member of the WTOL 11/FOX 36 First Alert weather team since 2008, cited many facts and statistics in his 90-minute presentation on "Climate Change: Today and Our Future." Some of the interesting points he mentioned included:



Chris Vickers

- 2020, the warmest year in U.S. history, was two degrees above the average from 1895 to 2020. Every state had above average temperatures. Ohio was the sixth warmest in the U.S.
- Of the 10 hottest global years on record, five were between 2015 and 2020.
- Arctic warming is six times faster than global warming. The Greenland Ice Sheet lost 4.5 trillion metric tons of sea ice since 2004 and Arctic sea ice is 220,000 square kilometers below previous low records.
- In 2020, Toledo experienced 35 days of 90+ degrees compared to an average of 16 days and its winters have seen an increase in a rise in temperatures of 4.6 degrees.
- In the Paris Climate Agreement of 2015, the countries of the world aimed to keep global temperatures from rising greater than 3.6 degrees by the year 2100.
- The most vulnerable countries to climate change are third world countries, which may be why a Yale university opinion poll of Ohio residents found that 70 percent of adults surveyed believed global warming is happening but only 35 percent felt it would harm them personally.
- The growing season length in the U.S. is 11 days longer than in 1980.

Anyone coming out of the lecture who doesn't believe the seriousness of global warming and climate change wasn't listening to Chris Vickers very carefully.

2020-2021 S.A.V.E. Lecture Series

February Lecture: Generating Electricity from Sunlight

Finally, we were able to hear Dr. Randy Ellingson's presentation this year after cancelling his lecture last year due to the pandemic! He spoke Feb. 23 on "Global, National and Local Perspectives on a Clean Energy Success Story in the Making."

Dr. Ellingson is a Professor of Physics and a faculty member of the Wright Center for Photovoltaics Innovation and Commercialization at the University of Toledo. The University of Toledo has four rows of flat solar panels: two were added in 2006 and two more in 2014. The goal of this non-profit effort at UT is to generate enough energy for assisting low-income Toledo community members.

To help us understand a difficult physics topic, Dr. Ellingson laid the basics before us, defining energy, types of energy, power vs. energy, watts, kilowatts, joules and the Greenhouse Effect.

Charles David Keeling in Hawaii in 1958 calibrated the amount of carbon dioxide (CO₂) in 1958 to be 320 ppm. Today, this number is up to 420 ppm., causing higher global temperatures and other significant changes on our

planet. The sun at 93,000,000 miles away generates much radiant energy. We in the U.S. use five times more radiant energy from the sun annually than the rest of the world. The sun uses a fusion process to send radiant energy to earth all the time. Sunlight produces photons and each photon absorbed generates one electron that

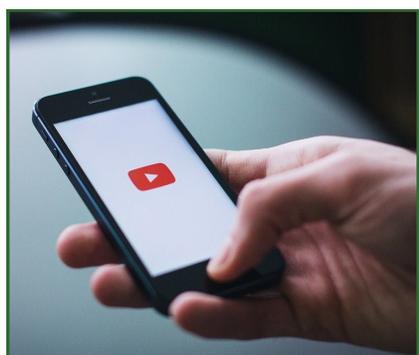
produces the electric current. Solar panels gather that current and release light energy to do our work, for example, running our machines, and making many other energy transformations into sound, chemical and mechanical energy. Thermal (heat) energy is produced, but goes off into the air as wasted energy. If solar energy was 100 percent efficient, an area about 125 miles square in Oklahoma, for example, could provide energy for the entire U.S.; however, heat energy is always lost which decreases that efficiency. At the present time maximum thermal efficiency for wind is 59 percent, for a silicon panel 27 percent and for a solar cell 32 percent.

Dr. Ellison showed a video illustrating how solar cells are made, a very intricate process with layers of materials. He predicted that newer models of solar panels may double their efficiency in three years.



Recordings of all our S.A.V.E. lectures can now be viewed on our [YouTube Channel](#) or at www.sciencealliancesave.org!

S.A.V.E. lectures now available on YouTube



Like other organizations, S.A.V.E. has been impacted by the current public health concerns associated with the COVID-19 pandemic. S.A.V.E. decided to continue our lectures by taking advantage of the Lourdes University Professional ZOOM Account offered to the organization. This made it possible for others to view our presentations without travel and personal assemblage. Starting in December, S.A.V.E. began recording the lectures for public viewing via YouTube. We invite you to subscribe to [our YouTube Channel](#) (visit www.youtube.com and search "Science Alliance SAVE"), where previous S.A.V.E. lectures may be viewed on your smart device or computer. You can also access all of the recorded lectures [on our new website](#).

Boxed water vs. bottled water: Which is better?



A S.A.V.E. member asked the question, “Which is better: boxed water or bottled water?” So we sought an answer from Adam Cassi, Director of Keep Toledo and Lucas County Beautiful and our speaker in our 2020-2021 Lecture Series.

His answer? Boxed water is better.

Reverse osmosis removes all (known) microplastics, so it is going to be healthier than water in plastic. The container is 100% recyclable. Curbside, just throw it in. If you are taking it to a drop-off location, it would go in with other “containers” (so with the plastic and cans, not with paper or cardboard).

Only slightly longer answer:

Any single use product is not good for the environment. Switch to a reusable container and if you are worried about microplastics and chemicals in your water, get a filter for your home. (It will save you money in the long run.)

If you have to make a choice between a single use plastic water bottle and boxed water, the boxed option is more environmentally friendly.

S.A.V.E. announces new partnership with MVHC

As of April 7, 2021, S.A.V.E. became partners with the Maumee Valley Heritage Corridor (MVHC). The organization’s mission is “to Protect and Promote the Historical, Natural, and Cultural Resources of the Maumee River Valley.” MVHC creates partnerships in order to help residents and visitors alike appreciate the historical, natural, and cultural resources of the Maumee Valley. The organization’s goal is to help improve quality of life by facilitating access to these resources and to inspire others to be stewards of all of the wonderful parks, sites, and communities along the Maumee and of the River itself.



Frank Butwin, President of MVHC and a S.A.V.E. member, approached S.A.V.E. because of our ecological focus and common interests. MVHC recently launched a new program to invite other groups to partner with them and S.A.V.E. recently developed a new five-year plan to do the same. A stronger voice with more groups will meet the goals and activities of both and also set both of us up for grant funding in the future. Several joint ventures are already being discussed. COVID helps us to plan, but not to execute ideas until it is safe to do so! Visit the MVHC website for more information about the organization at www.maumeevalleyheritagecorridor.org.

Updates to Code of Regulation

The S.A.V.E. board has spent time at each recent monthly meeting updating and revising S.A.V.E.'s Code of Regulation. The original code, unique to the S.A.V.E. Organization, was written in 1990 with the founding of S.A.V.E. It reflects the organization's values and principles linking them with standards of professional conduct. It is a set of rules or proper practices of the organization.

Examples of Articles in the Code of Regulation include but not limited to: offices, purposes, membership, trustees and officers. After months of review, these revisions to the Code of Regulation are nearly complete.

Welcome, New Members!

Marilyn DuFore

Anne Marie Stevens



EARTH DAY PRAYER

O GOD

WE THANK YOU FOR THIS EARTH, OUR HOME; FOR THE WIDE SKY AND THE BLESSED SUN, FOR THE OCEANS AND STREAMS, FOR THE TOWERING HILLS AND THE WHISPERING WIND, FOR THE TREES AND GREEN GRASS.

WE THANK YOU FOR OUR SENSES BY WHICH WE HEAR THE SONGS OF BIRDS AND SEE THE SPLENDOR OF FIELDS OF GOLDEN WHEAT AND TASTE AUTUMN'S FRUIT AND REJOICE IN THE FEEL OF SNOW AND SMELL THE BREATH OF SPRING FLOWERS.

GRANT US A HEART OPENED WIDE TO ALL THIS BEAUTY; AND SAVE US FROM BEING SO BLIND THAT WE PASS UNSEEING WHEN EVEN THE COMMON THORNBUSH IS AFLAME WITH YOUR GLORY.

(SOURCE UNKNOWN)



Honey & Syrup Sales



The pandemic and limited hours for All Good Things Art & Gifts on the Sylvania campus of the Sisters of St. Francis continue to negatively impact sales. COVID-19 has disrupted our individual sales also. Sales of pure honey (\$9) and maple syrup (\$8) to assist with raising funds for our activities do continue at All Good Things Art & Gifts. It is recommended to call the store directly at 419-824-3749 for current hours. If you are not able to support us through this means due to virus or dietary restrictions, you can always make a monetary contribution instead.

Time for spring cleaning?

S.A.V.E. needs your help in keeping the environment a little bit cleaner. Our organization partners with the "Cartridges For Kids" program to collect and recycle items that would normally end up in a landfill. Items we accept for recycling include: cell phones, laser and ink jet cartridges, laptops, MP3 players, PDAs and tablets, readers and notebooks. Recyclable materials can be dropped off at the S.A.V.E. office in St. Agnes Hall, Room 166 on the campus of Lourdes University.



S.A.V.E. is looking for corporate and business partners who would be willing to accumulate materials and then donate them for recycling. S.A.V.E. would provide a receptacle for the deposit of recyclable items. Pick up of quantities can be arranged. If your business would be willing to assist in this effort, contact the S.A.V.E. office at 419-824-3691.

Please help us help the environment. The used cartridges from your home printer are a resource worth recycling.

Calling all dog lovers!



S.A.V.E. has doggie bandanas for sale as part of our fund-raising efforts. Four different styles are available: a red "Love That Dog!" scarf with hearts and bones, blue "Love Those Bones!" scarf with paw prints and bones, blue Cosmic Walk scarf with gold stars, and black scarf with tiny white paw prints. The painted scarves are sized for a small- to medium-sized dog and sell for \$7.50 each. To purchase, please contact Sr. Rosine at 419-824-3691 or save@lourdes.edu.



“When you walk on the Earth, imagine that this is the skin of a living being. Imagine the flow of waters in streams and rivers as the blood of this being. Imagine the air you breathe as her breath.”

-Will Brinton in Love and the World by Robert Sardello



Memorials and Tributes



Did you know...

You can make a gift to S.A.V.E. in honor of someone?

You can make a gift to S.A.V.E. in memory of someone?

Perhaps you know someone who has done something for the environment and you would like to acknowledge them, by honoring them with a donation to S.A.V.E., or perhaps someone passed away and you would like to memorialize their legacy. Please use the form below. Your donation will be featured in the next newsletter or, if you wish, listed as Anonymous.

Please mail forms to:

S.A.V.E. Office
c/o Sr. Rosine Sobczak OSF
6832 Convent Blvd.
Sylvania, OH 43560



Thank you for your generous gift

Enclosed is my gift of \$ _____

In memory of _____

In honor of _____

My employer will match my gift.

My spouse's employer will match my gift.

My check or money order is enclosed.

(Please make checks payable to S.A.V.E. Inc.)

Donor: Name _____

Address _____

City _____ State _____ Zip _____

Phone _____ Fax _____

E-Mail Address _____

Please Notify: Name _____

Address _____

City _____ State _____ Zip _____



S.A.V.E. Membership Application

2020-2021

Membership is from September 1st of current year to August 31st of following year.

Please complete the following application and return with your check made payable to S.A.V.E., Inc.

Application may also be completed online at www.sciencealliancesave.org.

Send application and dues to: S.A.V.E., Inc.

Lourdes University 6832 Convent Blvd. Sylvania, Ohio 43560 | Phone: (419) 824-3691

Last Name:		First Name:		M.I.
Affiliation:		Position:		
Address:				
City:		State:	Zip Code:	
Phone: (business)		(home)		
Email:		Fax:		

Membership: New Renewal

Types of Membership: Annual Dues

- Student Member \$10.00
- Senior Member \$10.00
- Active/Supporting Member \$20.00
- Family Membership \$30.00
- Corporate Member ** \$100.00 (please include a camera ready logo)

* All members will receive the quarterly newsletter.

I would like to help in one of the following areas:

- Membership Newsletter
- Fundraising Lecture Series
- Phone Committee Award Reception & Dessert Buffet

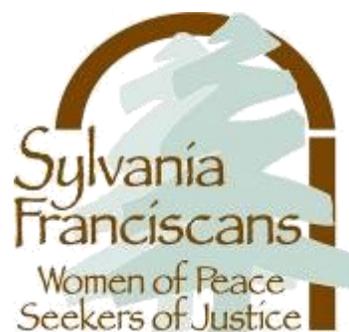
Please help us increase the effectiveness of S.A.V.E activities by becoming involved.

THANK YOU TO OUR S.A.V.E. SPONSORS

Please support our generous sponsors and let them know you saw them in the S.A.V.E. newsletter!
Interested in becoming a sponsor of S.A.V.E.? Contact SAVE@lourdes.edu or 419-824-3691.



Want to see your
business here?
*Learn more about
corporate sponsorship
on our website or
contact
SAVE@lourdes.edu
or 419-824-3691.*





S.A.V.E. Inc.
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Fax: 419-824-3526
E-mail: SAVE@lourdes.edu

An Educational Consortium for
Environmental Sustainability

VISION STATEMENT

S.A.V.E. is a catalyst for individual and community action for sustainability.

MISSION STATEMENT

The Science Alliance for Valuing the Environment (S.A.V.E.) fosters a personal awareness and respect for the interrelatedness of ecology, spirituality and sustainability. S.A.V.E. creates formal and informal life-long learning opportunities in collaboration with organizations at all levels — local, national and global. S.A.V.E.'s activities are designed to empower individuals to values-based action for a just and sustainable world.

FIND US ON THE WEB

www.ScienceAllianceSAVE.org



www.facebook.com/SAVEScienceAlliance

Interested in joining S.A.V.E.?

S.A.V.E. welcomes anyone...

- who loves planet Earth and wants to keep her healthy.
- who wants to spread the message to others
- who shares our mission and philosophy
- who is willing to work with like-minded people.
- who wants to make a difference.
- who shares insights on sustainability, spirituality and ecology.

Members receive a quarterly newsletter, fliers for upcoming lectures and events, announcements concerning local opportunities, requests for assistance if needed, scholarship opportunities and more. Fill out the application on page 10 of this newsletter or [submit your application online today!](#) You can also now renew your membership and pay dues online.

Membership Levels

\$10 Student/
Senior

\$20 Individual

\$30 Family

\$100 Corporate

Join Us!