

NATIONAL SCIENCE FOUNDATION
FOR THE FUTURE ACT

HON. EDDIE BERNICE JOHNSON

OF TEXAS

IN THE HOUSE OF REPRESENTATIVES

Friday, March 26, 2021

Ms. JOHNSON of Texas. Madam Speaker, today I am pleased to be joined by my colleagues on the Committee on Science, Space, and Technology, Ranking Member FRANK LUCAS, and the Research and Technology Subcommittee Chairwoman and Ranking Member, HALEY STEVENS and MICHAEL WALTZ, in introducing the National Science Foundation for the Future Act.

Established in 1950, the National Science Foundation (NSF) was born out of hard-earned lessons about the powerful role of science in securing an allied victory in World War II. Propelled by his wartime experience leading the Office of Scientific Research and Development, Vannevar Bush championed the creation of NSF and postwar federal support for science, making the argument that “advances in science when put to practical use mean more jobs, higher wages, shorter hours, more abundant crops, more leisure for recreation, for study, for learning how to live without the deadening drudgery which has been the burden of the common man for ages past. Advances in science will also bring higher standards of living, will lead to the prevention or cure of diseases, will promote conservation of our limited national resources, and will assure means of defense against aggression.”

That was a lofty vision. One, I am proud to say, the Foundation has largely lived up to throughout its existence. Over the past 70 years, NSF has played a critical role in supporting fundamental research, education, and infrastructure at colleges, universities, and other institutions throughout the country. NSF funding has enabled numerous breakthrough discoveries that have transformed the daily lives of the American people—from the internet, lithium batteries, and GPS to weather radar, MRI technology, and DNA analysis—just to name a few.

One of the aims of this bill is to empower the agency to do more of what it does best. Years of modest budget growth have resulted in low proposal success rates and stagnant grant sizes. Researchers and peer-reviewers alike are more conservative in this funding environment, feeling pressure to deliver results rather than take big risks. Researchers are also struggling to support graduate students and postdocs and are bogged down preparing multiple grant proposals to increase their chances of being funded. This is no way for the world’s leading scientific enterprise to function. And if we continue on this path, we will cede our scientific leadership, and with it the advantages of developing new industries and setting the global norms for emerging technologies. This bill authorizes a significant increase in the agency’s budget. Funding for the current portfolio of activities is increased by nearly \$2 billion in year one and grows at an average annual rate of 6 percent, setting the agency on a path to double its budget in 9 years.

This bill also pushes the Foundation to continue to evolve. While it is undeniable that the Foundation has a legacy of scientific achievements that have delivered enormous benefits

to society, it is important to acknowledge that those benefits have not always been widely shared. Some segments of the public have been left behind by the traditional approach to science and innovation. This bill promotes increased accountability to the public through improvements to the implementation of the Broader Impacts review criterion and a new requirement for researchers to describe the ethical and societal implications of their work. The bill also expands public access to data resulting from NSF-funded research and promotes increased vigilance against threats to research security and integrity.

The bill funds centers that will connect NSF STEM education innovations to school districts and teachers, so more students can benefit. It encourages universities to collaborate with the private sector to better align undergraduate STEM education with workforce needs. It raises the bar for mentoring and training of graduate students and postdocs and establishes a pilot program to strengthen the research capacity of emerging research institutions, including minority serving institutions.

Finally, this bill establishes a new directorate to promote a solutions-driven approach to research. A central goal of the Directorate for Science and Engineering Solutions (SES) is to be more strategic and inclusive in the nature of research collaborations, including by connecting researchers with potential users or beneficiaries of their research from the priority-setting stage through the translation of an innovation into practice. While industry has an important seat at this table, so do local governments and communities that might be affected by the research. The SES Directorate will enable the Foundation to take big risks and experiment with new approaches to accelerate use-inspired and translational research to address society’s major challenges, including climate change and environmental sustainability, global competitiveness in critical technologies, cybersecurity, national security, STEM education and workforce, and social and economic inequality.

To fully realize the potential of science to benefit society, we must fund more research on the questions that matter to the American people. We also must ensure this research is, in the words of Vannevar Bush, “put to practical use.” Our competitiveness with China and other nations drives much of the national discourse around innovation because our economic and national security depend on our leadership in science and technology. However, competitiveness with China will not be possible if we do not unleash our nation’s STEM talent on the full range challenges we face. Surely the COVID-19 pandemic has laid that bare for all of us. And the fact is, researchers and students are inspired by finding solutions, whether they be scientific or societal challenges. In this bill, we seek to inspire.

Over a year of bipartisan collaboration and numerous conversations with a wide range of stakeholders, thought leaders, and policy experts has resulted in the bill we are introducing today. I want to thank the many individuals who took the time to engage with Committee staff and share their perspectives. Their efforts have improved the bill immeasurably. This is a well-vetted bill, but it is by no means the final product. I am committed to a transparent and deliberative process for moving this bill forward. I look forward to continuing to engage with the stakeholder community and

with my Committee colleagues through hearings and a markup.

Finally, I want to thank Majority Leader SCHUMER for his leadership in championing an infusion of funding and a bold new vision for the future of NSF. While our approaches to establishing a new directorate differ, we share the same goal. We must dramatically accelerate progress in research and development in this country. I look forward to partnering with Senator SCHUMER and my colleagues on both sides of the aisle in this effort.

HONORING WALLACE YAU KEE
CHANG

HON. DAN BISHOP

OF NORTH CAROLINA

IN THE HOUSE OF REPRESENTATIVES

Friday, March 26, 2021

Mr. BISHOP of North Carolina. Madam Speaker, today I rise to honor Corporal Wallace Yau Kee Chang, one of the very few remaining Chinese-American veterans of World War II. In recognition of their service, these veterans were collectively awarded the Congressional Gold Medal in 2018—this body’s highest honor. For his actions in Europe, Corporal Chang was also awarded the Bronze Star.

Just four days after Pearl Harbor, Corporal Chang started his military career as a Hawaii Territory Guard. In March 1945, he joined Army Company C in the 39th Regiment. While stationed in France and Germany, he took part in the central German campaign which led to the downfall of Hitler and the Nazi regime. After the war, he was appointed leader of the 39th Regimental band stationed in Rosenheim, Germany.

Corporal Chang is 98 years old and is a resident of Lumberton, North Carolina. I am very pleased to honor this great patriot and hope to call him a constituent for many more years to come. I thank Corporal Chang for his service to our country and to our community.

IN RECOGNITION OF ANTHONY
PROCASSINI’S 100TH BIRTHDAY

HON. DEBBIE DINGELL

OF MICHIGAN

IN THE HOUSE OF REPRESENTATIVES

Friday, March 26, 2021

Mrs. DINGELL. Madam Speaker, I rise today to recognize Anthony Procassini of Ann Arbor on the occasion of his 100th birthday. His contributions to our community and to our Nation are worthy of commendation.

Mr. Procassini was raised in New Jersey but first came to Michigan when he enrolled at the University of Michigan in 1939. Here he met his wife Dawn while working at a pharmacy and they wed in 1943. When the war broke out, he heeded the call from his nation and enlisted in the Marines. After attending boot camp in San Diego, California, he was assigned to the “I” Company, Third Battalion, First Marine Regiment. His unit fought in two of the bloodiest battles of the war, Peleliu and Okinawa, where many of his fellow soldiers lost their lives. He was wounded in battle in mid-June 1945 and after recovering, he toured with the First Marine Division that was tasked

with keeping the peace in North China. Mr. Procassini was honorably discharged in 1946 and was awarded the Purple Heart in July 2019.

After his honorable discharge, he returned to the University of Michigan to finish his degree. Post-graduation, he worked at Willow Run Airport and then Bendix Corporation. He retired from the company as Corporate Chief of Personnel 28 years later. He is the founder of AJProcassini & Associates, a consulting firm, and AJP Rentals, a rental property company in Ann Arbor.

An active member of our community, Mr. Procassini has remained involved in the city that he now calls home. He has served as Chairman of the Board of Washtenaw County Community College, Chairman of the Industrial Division Blood Bank, and on the Executive Board of the American Red Cross. He has also taught courses in Adult Education at the University of Michigan and Wayne State University. A dedicated member of the Ann Arbor M Club, he served as the event coordinator at the Big House for sixty-two years.

Madam Speaker, I ask my colleagues to join me in honoring Anthony Procassini on his 100th birthday. I join with Mr. Procassini's family, including his ten children, eighteen grandchildren, and two great grandchildren, and friends in extending my best wishes to him on his birthday.

INTRODUCTION OF THE OUR
HOMES OUR VOTES ACT

HON. JESÚS G. "CHUY" GARCÍA

OF ILLINOIS

IN THE HOUSE OF REPRESENTATIVES

Friday, March 26, 2021

Mr. GARCÍA of Illinois. Madam Speaker, I rise today to introduce the Our Homes Our Votes Act along with my colleague from Pennsylvania, MARY GAY SCANLON and my colleague from Georgia, NIKEMA WILLIAMS. This bill will help close the voter turnout gap between rich and poor by making it easier for eligible tenants in federally subsidized housing to register to vote.

People have fought and died for the right to vote in this country, but many still face barriers to voting. Tenants in federally subsidized housing already have their residence and identity verified by public agencies, and this bill will allow them to register to vote as they sign their lease and verify their income without duplicating information or finding additional paperwork to fill out.

The best way to confront this country's history of voter suppression is to remove barriers to voting that exist today. Eligible voters in working class districts like mine vote at lower rates than wealthier voters, and that discrepancy undermines our democracy. This bill is a step toward fixing that, and I urge this body to advance it.

HONORING LETITIA HANKE

HON. MIKE THOMPSON

OF CALIFORNIA

IN THE HOUSE OF REPRESENTATIVES

Friday, March 26, 2021

Mr. THOMPSON of California. Madam Speaker, I rise today to honor Letitia Hanke, whom I have named the 2021 Woman of the Year in Sonoma County, California. Woman of the Year recognizes women who have made important contributions to California's 5th Congressional District in Arts and Culture, Professional Achievement, Entrepreneurship and Innovation or Community Service.

Ms. Hanke was born in San Pablo and moved to Lake County at the age of five. As a new student entering a homogeneous community, she was often bullied. Though these experiences hurt her, she learned to channel her emotions into creative pursuits. At the urging of her elementary school music teacher, she picked up the trumpet. By the age of nine, she was playing with the high school band, and more important had found a community of friends who stuck up for her. Carrying this passion through her middle and high school education, she decided to attend Sonoma State University in 1993 to pursue a degree in Music Performing and Recording Arts.

Working full-time at a roofing company to pay for school, she quickly rose through the ranks. Despite having no background in the construction industry, the owner of the business offered his mentorship and the chance to purchase the business from him. Stepping away from her final year of school, she pulled the cash together and became CEO of ARS Roofing, Gutters, and Solar.

As one of the few women, and even fewer Black women working in the roofing industry, she found herself once again subject to adversity as a newcomer. Reminded of the power of the community that advocated on her behalf, she founded the LIME Foundation to help underrepresented youth accomplish their dreams. Made up of the Nextgen Trades Academy, the Senior Activities Program, and the Turner Arts Initiative, LIME has trained and placed over 100 youth in construction trades, increased quality of life for seniors through nutrition and exercise classes, and provided youth the opportunity to pursue their creative passions through summer camps and after school arts programs.

Our community is immeasurably better for all of Ms. Hanke's contributions and it is therefore fitting and proper that we honor her here today as Sonoma County's 2021 Woman of the Year.

IN RECOGNITION OF STEPHANIE
STRICKLER

HON. JOHN JOYCE

OF PENNSYLVANIA

IN THE HOUSE OF REPRESENTATIVES

Friday, March 26, 2021

Mr. JOYCE of Pennsylvania. Madam Speaker, I rise today to congratulate Stephanie Strickler on receiving the Health Care Heroes Leadership Award from the Greater Chambersburg Chamber of Commerce.

Stephanie is the Director of Purchasing at Keystone Health and is responsible for overseeing all supplies for the hospital. During the COVID-19 pandemic, she was successful in obtaining the necessary Personal Protective Equipment to ensure the safety and health of all staff and patients. Additionally, she has been essential in securing COVID-19 vaccines for Keystone Health providers and patients.

In addition to working long hours at the hospital, Stephanie is active in the community and often serves with Leadership Franklin.

Stephanie exhibits true dedication, compassion, and professionalism to the team at Keystone Health. On behalf of Pennsylvania's 13th District, I congratulate Stephanie on this award and thank her for her work in our community.

JAMIE GARCIA

HON. ED PERLMUTTER

OF COLORADO

IN THE HOUSE OF REPRESENTATIVES

Friday, March 26, 2021

Mr. PERLMUTTER. Madam Speaker, I rise today to recognize and applaud Jamie Garcia for receiving the Arvada Wheat Ridge Service Ambassadors for Youth award.

Jamie Garcia is a student at Jefferson Jr./Sr. H.S. and received this award because her determination and hard work have allowed her to overcome adversities.

The dedication demonstrated by Jamie Garcia is exemplary of the type of achievement that can be attained with hard work and perseverance. It is essential students at all levels strive to make the most of their education and develop a work ethic which will guide them for the rest of their lives.

I extend my deepest congratulations to Jamie Garcia for winning the Arvada Wheat Ridge Service Ambassador for Youth award. I have no doubt she will exhibit the same dedication and character in all of her future accomplishments.

HONORING CHARLES WAGGONER

HON. GREG PENCE

OF INDIANA

IN THE HOUSE OF REPRESENTATIVES

Friday, March 26, 2021

Mr. PENCE. Madam Speaker, I rise today to honor Charles Waggoner of Jennings County, Indiana. Charles served as the Republican County Vice Chairman of Jennings County. He committed his time, talents and energy to the Sixth Congressional District and the rest of the Hoosier state. I am grateful for his service.

Not only is Charles a successful businessman, he is also a fervent leader and volunteer in his community. Charles is actively engaged in civic and community endeavors, often the first to volunteer his time and always willing to help at a moment's notice.

Finally, I have gotten to know Charles over the last four years, and I am grateful for his friendship. I thank Charles Waggoner.