The Heinz Awards

Celebrating 25 years

Established by Teresa Heinz in 1993 to honor the memory of her late husband, U.S. Senator John Heinz, the Awards celebrate the accomplishments and spirit of the Senator by recognizing the extraordinary achievements of individuals in the areas of greatest importance to him.

The Heinz Awards, administered by the Heinz Family Foundation, recognize outstanding individuals for their contributions in the areas of: Arts and Humanities; Environment; Human Condition; Public Policy; and Technology, the Economy and Employment.

The Heinz Awards



25 Years of Ideas and Action

n 1993, with great anticipation for the journey ahead, we announced the creation of the Heinz Awards to celebrate the spirit of accomplishment and wonder that for me still defines this country. The program honors the memory of my late husband, John Heinz, by recognizing remarkable individuals who approach life as he did—with intellectual curiosity, a passion for excellence, a great love of people, informed optimism, and a willingness to take risks.

Above all, John possessed a contagious joy and a belief that, through determination and hard work, he could make the world a better place. That is the spirit we honor through the Heinz Awards.

Many awards programs recognize scientific, artistic or intellectual achievement. But for 25 years, the Heinz Awards has sought out individuals whose commitment to excellence is matched by their compassion, courage and commitment to improving the lives of others. They model a quality we desperately need right now—the power inherent in each of us to leave the world better than we found it.

The awards categories we chose in 1993 focused on areas that were of great importance to John and continue to frame and guide our jury process today: Arts and Humanities; Environment; Human Condition; Public Policy; and Technology, the Economy and Employment. Over the years, we have recognized physicians, researchers and poets; engineers and economists; biologists, chemists and composers. We have honored those who have found new approaches to addressing poverty, environmental degradation and climate change, and have introduced solutions to inequities in healthcare, education and job opportunity. And we have recognized artists, writers, choreographers and filmmakers whose work has inspired and moved us to see the world differently, in ways that help us better understand ourselves and those who may be different from us.

We are living in a time dominated by division and the catastrophic effects of a global pandemic. Now more than ever, our world needs individuals like these, people from a wide array of industries, professions, and walks of life who persevere with fierce optimism, and whose passion to solve problems, to instill beauty, to make us think and learn how to be better, is in fact making us better.

We need their grit and their gifts—their intellectual brilliance, their soaring artistry, their innovation. And we need the example they set, be it in serving those around us, telling our stories, countering injustice, creating opportunity, or protecting the natural world that we all share. They remind us that, no matter how daunting the challenges we face, we are not powerless, and we can indeed rise to meet them.

In the pages that follow, you will find brief highlights for each of the 151 recipients we have honored over this past quarter-century. Our space is limited, and I

encourage you to go beyond these summaries to learn more about the recipients and their work. In discovering their stories, I hope you will agree that the goal we set in 1993—to reward hard work performed joyously and well—has been met in remembering and honoring Jack.

Teresa Heinz

 ${\it Chairman, Heinz Family Foundation}$

Now more than ever.

individuals like these.

professions, and walks

of life who persevere

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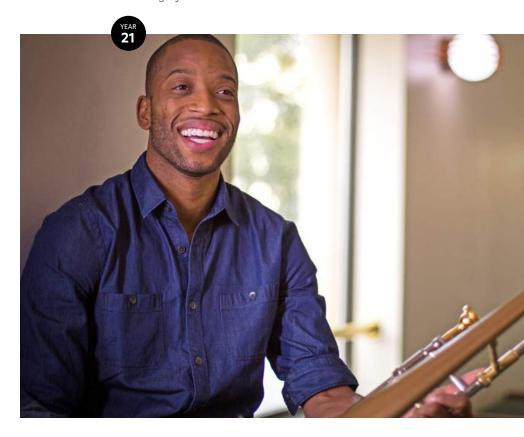
Arts + Humanities

RECIPIENTS BY YEAR

- 1sт Henry Hampton
- 2ND Beverly Sills
- зко Rita Dove
- 4тн John Harbison
- 5тн Walter Turnbull
- 6тн Peter Matthiessen
- 7тн Jacques d'Amboise Arthur Mitchell
- 8тн Dudley Cocke Rick Lowe
- **9**тн Bernice Johnson Reagon
- 10TH August Wilson
- 11тн Mark di Suvero
- 12TH James Nachtwey
- 13тн Dave Eggers
- 14TH Ann Hamilton
- **18**тн Mason Bates
- 19TH Abraham Verghese
- 20TH Roz Chast
- 21ST Troy Andrews
- 22ND Natasha Trethewey
- 23RD Ralph Lemon
- 24TH Kevin Jerome Everson
- **25**тн Gabriela Lena Frank

Troy Andrews

Better known as "Trombone Shorty" for his unique sound and for preserving and passing on the musical legacy of New Orleans



"What I'm doing today is a direct influence of coming from New Orleans. We play music from a very joyous place, from love—we celebrate life. If I'd grown up anywhere else, my story would be very different. Music is the heartbeat of this city, and it makes me really happy to be able to reach out to kids around the city and people around the world. It's a beautiful thing."

Mason Bates

Contemporary composer and DJ who is dissolving the traditional boundaries of classical music





Roz Chast

Cartoonist who finds humor in the anxieties, insecurities and neuroses of everyday modern life

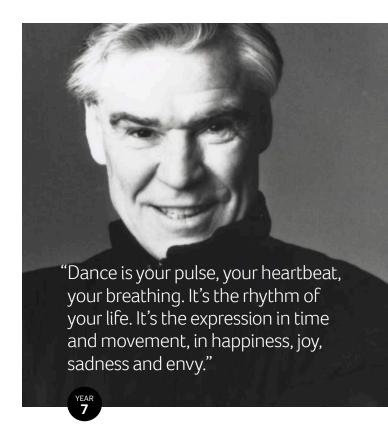


Dudley Cocke

Visionary community theater organizer who provides a stage for people to see themselves reflected in mainstream America



"Without our stories, how will we know it's us? Without the stories of others, how will we know who they are?"

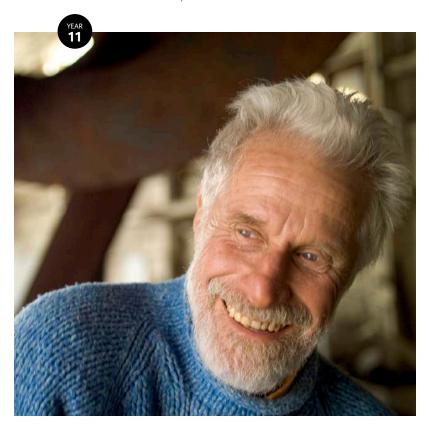


Jacques d'Amboise

One of America's premier classical dancers who redirected his career to create opportunities for inner-city children

Mark di Suvero

Daring sculptor who changed America's cultural landscape



"I hope to make the space come alive.
There's a time when a piece of
sculpture stands up, becomes itself,
and there's no way to describe what
I feel like—it's poetry."



Rita Dove

Pulitzer Prize-winning poet and author

"Poetry is language at its most distilled and most powerful."



Dave Eggers

Acclaimed author now mentoring a new generation of writers



"Books have a unique way of stopping time in a particular moment and saying: Let's not forget this." "As an artist, I see poetry in repetition, in gesture, in the things being made. I am drawn to labor, to what people do. People don't often think about the people doing the work, that there are many hands touching the products that they consume. I seek to make the invisible, visible."



Kevin Jerome Everson

Filmmaker whose sensitive portrayals reveal beauty in the everyday lives of working-class African Americans



"It changed my life, because I was exposed to this whole music world I didn't know existed. This idea of becoming a composer came to me right away. I didn't know what that meant, or what it was like, but I had written my first piece down on paper, and heard it come to life at the hands of other kids my age and younger, and I was hooked, instantly."



Gabriela Lena Frank

Composer and pianist who explores her multicultural heritage through her compositions

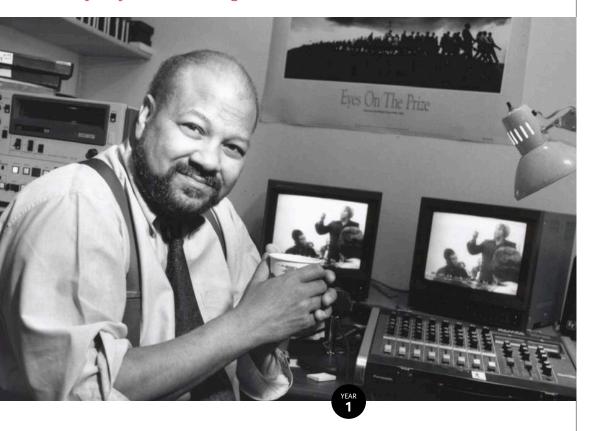
Ann Hamilton

Visual artist who engages communities in creating multimedia installations



"There are many ways to make in the world. Culture isn't a thing that is found. It is a process and a practice. It is something we make together. All acts of making matter—they amplify—they change the way we see things, and they remind us of our power to remake our world."

"Food might be more immediately important than history, but if you don't understand what's been done to you—by your own people and the so-called 'they'—you can never get around it."



Henry Hampton

Documentary film producer, best known for *Eyes on the Prize*

John Harbison

One of the era's leading composers and conductors



"A point of view, an address to both mind and heart, a passionate conviction—isn't that what we hope for in a piece of music?"



"Stories can be told in many ways, not just in traditional art forms like songs or murals. Art projects tease out a higher value beyond a practical function through somehow telling the story in a way that lingers."



Rick Lowe

Urban arts activist who transformed a distressed pocket of the inner city into a place of beauty, community and pride

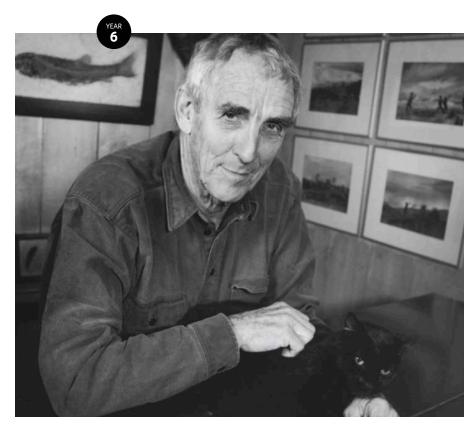
YEAR **23**

Ralph Lemon

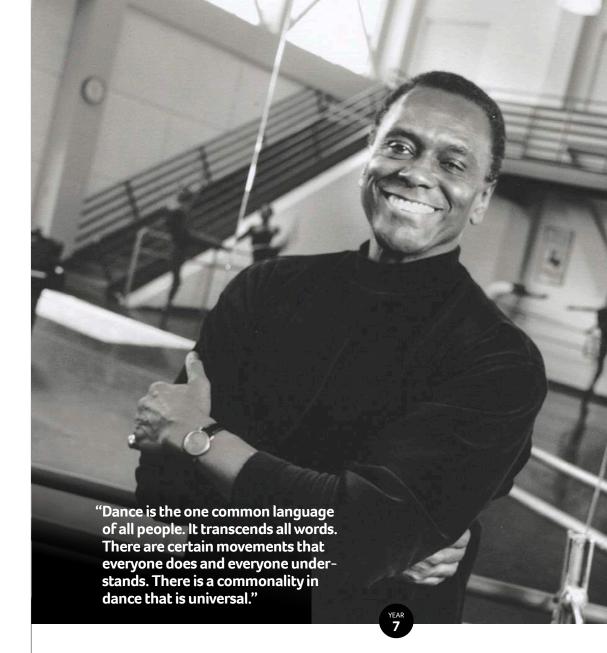
Interdisciplinary artist whose powerful works integrate dance, film and spoken word

Peter Matthiessen

One of America's preeminent writer—naturalists

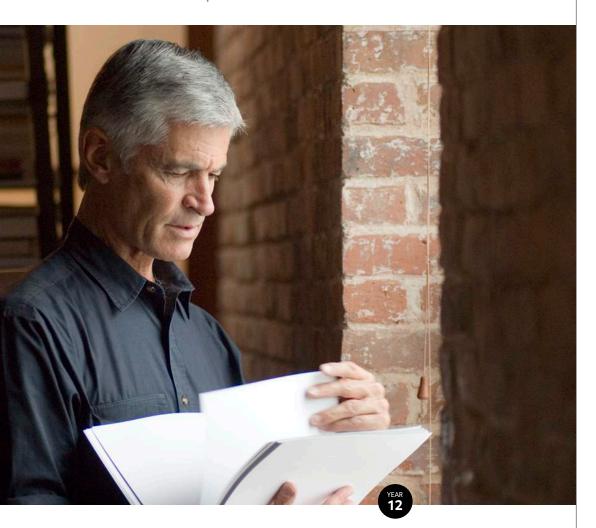


"I like to hear and smell the countryside, the land that my characters inhabit. I don't want these characters to step off the page, I want them to step out of the landscape."



Arthur Mitchell

One of America's leading classical dancers who redirected his career to create opportunities for inner-city children "I have been a witness, and these pictures are my testimony. The events I have recorded should not be forgotten and must not be repeated."



James Nachtwey

Photographer who uses his camera to capture the resilience, strength and faith of humanity

Bernice Johnson Reagon

A voice raised in song and civil rights advocacy



"I do believe that singing creates energy and is transformative, and forming communities through song really does provide a way to reach beyond the boundaries that separate. ... I discovered that the language through which I could speak the clearest was through singing songs that had been passed to me as well as new songs that chronicle the times through which we move. That has been the sweetest blessing."

"I was always the first person in the theater all the time. If it was an eighto'clock curtain, I was here at fivethirty, and it wasn't that I needed to vocalize, because I was all warmed up. I couldn't wait for it to begin."



Beverly Sills
Opera legend

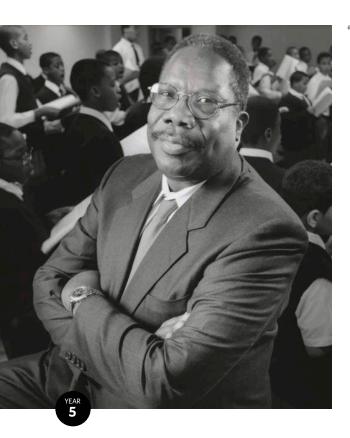
and civic leader

Natasha Trethewey

Poet lauded for her luminous writings that explore memory, history and racial injustice in America



"When you are a poet, you hope that readers take pleasure in the language and the musicality of a poem, but beyond that, my writing is about my investigations of history, and I hope that readers come away with knowledge that they may not have had before. I hope they are given an opportunity to see inside themselves, that the poems become a mirror through which they might reflect deeply on their own place in American history."

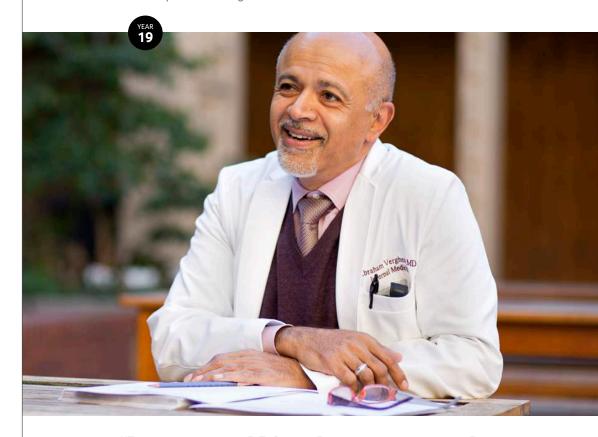


"We instill in these kids the belief that they can be the best at anything they choose. Music lifts every voice, not just children who can sing and dance well, but also those who are not blessed with natural talent yet still have a dream of becoming somebody."

Walter Turnbull Motivator of young people through the Boys Choir

Abraham Verghese

Physician whose critically acclaimed writings offer a poignant look at the practice of medicine and the power of healing



"I grew up and I found my purpose and it was to become a physician. My intent wasn't to save the world as much as to heal myself. Few doctors will admit this, certainly not young ones, but subconsciously, in entering the profession, we must believe that ministering to others will heal our woundedness."

of Harlem

"I'm trying to take culture and put it on stage, demonstrate it is capable of sustaining you. There is no idea that can't be contained by life: Asian life, European life, certainly Black life. My plays are about love, honor, duty, betrayal—things humans have written about since the beginning of time."



August Wilson

Playwright who was one of the most critically acclaimed of his generation



Environment

RECIPIENTS BY YEAR

- ısт Paul + Anne Ehrlich
- 2ND Herbert Needleman
- 3RD George Woodwell
- 4TH Amory Lovins
- 5тн Lois Gibbs Florence Robinson
- 6тн Paul Gor<u>man</u>
- 7TH James Hansen
- 8тн Jane Lubchenco
- 9тн Mario Molina John Spengler
- 10тн Peggy Shepard
- 11тн Jerry Forest Franklin
- 12TH Paul Anastas
- 13тн Bernard Amadei Susan Seacrest
- 14тн Thomas FitzGerald
- 18тн Richard Jackson
- **19TH** Jonathan Foley
- **20**тн Frederica Perera
- 21ST Hal Harvey
- 22ND Gregory Asner
- 23RD Ming Kuo
- **24тн** Rue Марр
- **25**тн Linda Behnken

Bernard Amadei

Founded Engineers Without Borders, bringing water, electricity and sanitation to communities in need



Paul Anastas

Environmental pioneer whose broad vision led to the creation of the "green chemistry" movement



"Our myth was that we couldn't maintain our quality of life without toxic, hazardous and depleting substances. Green chemistry belies that myth every day."

YEAR 22

Gregory Asner

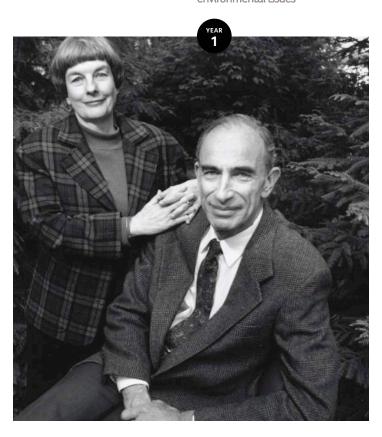
Ecologist using imaging technology to provide unprecedented detail on the health of ecosystems "Expanding protected areas to 30 percent actually generates higher overall revenues while also mitigating very real economic risks of climate change and biodiversity loss. It's imperative that we do both. There's a misconception that we either can protect our planet or we can have economic growth, but in fact, it's not an 'and/or' dichotomy."





Paul + Anne Ehrlich

Scientists committed to tackling difficult environmental issues





Linda Behnken

Commercial fisherman whose advocacy and cross-sector collaborations are protecting Alaska's marine ecosystems and fishing communities "Besides focusing their research on ways to avoid collapse, there is a need for natural scientists to collaborate with social scientists, especially those who study the dynamics of social movements."

"It's a matter of looking at the practices in a collaborative way... rather than engaging in this back-and-forth political lobbing of grenades about this war on coal. At the end of the day, [that] doesn't help us come closer to an answer that will allow us to meet our energy needs in a responsible way."

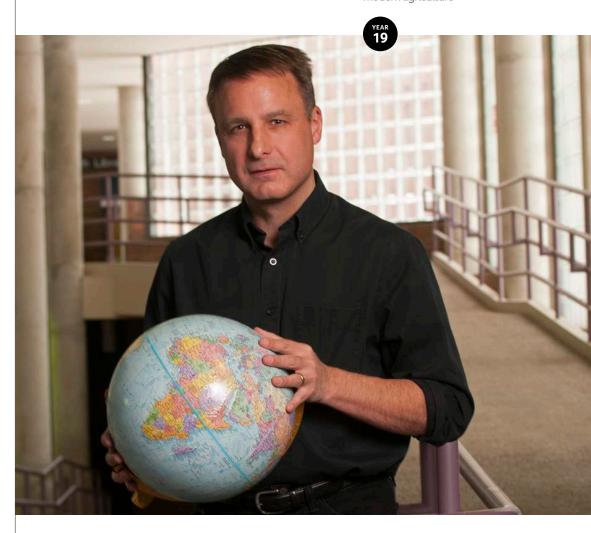


Thomas FitzGerald

Courageous advocate who protects the environmental health and safety of local communities

Jonathan Foley

Pioneer in understanding global ecosystems, land use and the environmental implications of modern agriculture



"Providing for the needs of nine billion people, without ruining the biosphere, will be one of the greatest challenges we have ever faced."

Jerry Forest Franklin

One of the country's leading authorities on protecting our forests for the future



YEAR 5

Lois Gibbs

Citizen activist who pioneered community participation and local empowerment against industrial polluters "Too often the industry gets away with violations over and over again without serious penalties. We protect our children by law with seat belts, car seats, bike helmets, and from negligent and abusive parents—toxic pollution should be no different."



"The issue of environmental protection is an inescapably, intrinsically religious challenge. ... So for people of faith, our relationship with other species, and other habitats, is about as fundamental a religious issue as we can imagine."

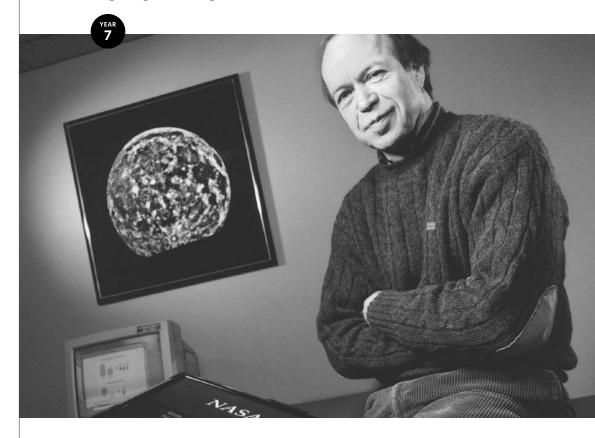


Paul Gorman

Steward of the environment using spiritual and moral values

James Hansen

Scientist whose courageous leadership alerted us to the dangers of global warming



"Politicians think that if matters look difficult, compromise is a good approach. Unfortunately, nature and the laws of physics cannot compromise—they are what they are."

ENVIRONMENT ▶

"We have building codes for structural integrity, we have food safety codes so kids don't get poisoned by eating bad meat. Why is energy any different? This is where we must push the conversation. ... Transitioning to zero-carbon energy technologies is actually simpler than you might think, and we must do it."

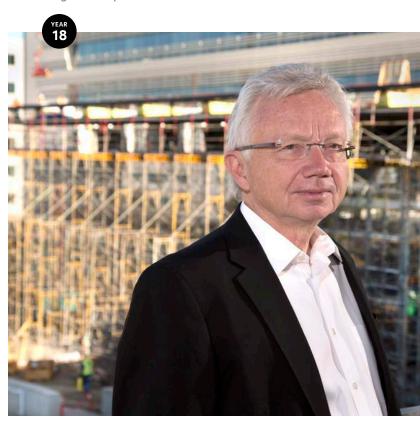


Hal Harvey

Rare optimistic voice in the fray over carbon emissions and energy waste

Richard Jackson

Physician who sparked a national conversation about how to design cities to promote health



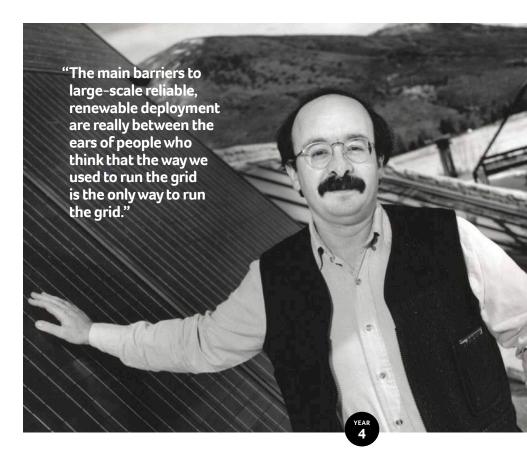
"We have the opportunity to re-think the design of our communities for the health of our children, our grandchildren and ourselves. It is a moral imperative, not just an environmental one."

Ming Kuo

Environmental psychologist whose work has revealed the health benefits of green spaces and nature experiences



"Nature doesn't just have one or two active ingredients. It's more like a multivitamin that provides us with all sorts of the nutrients we need."



Amory Lovins

Informed the world about the potential of energy efficiency and renewable resources

Jane Lubchenco

One of the nation's most respected authorities on ocean ecosystems



"The parks are about us.
And that 'us' has always
been diverse, even if those
in the positions to write
the stories and make the
policies have not."

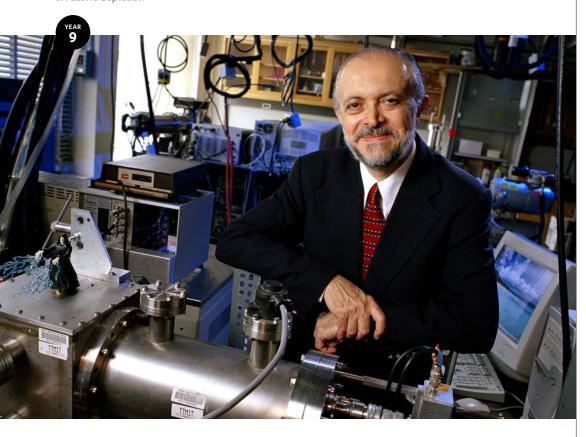


Rue Mapp

Celebrates and inspires Black connections and leadership in nature

Mario Molina

Long considered one of the world's leading authorities on ozone depletion



"Simply stated, the world is warming. It is due to our emissions. More warming is inevitable, but the amount of future warming is in our hands."

"There is a broad consensus on the part of everyone but the lead industry and its spokesmen that lead is extremely toxic at extremely low doses."



Herbert Needleman

Key player in the reduction of lead poisoning in children

Frederica Perera

Champion of children's health who linked childhood contaminant exposure with increased risk of disease



"The good news is that we can protect all our children and give them a far greater chance of maturing into healthy, productive adults by understanding the risks posed by various pollutants and acting now to reduce their presence in our air, water and food."



Florence Robinson

Waged a virtual one-woman war against toxic wastes in her battlefield, Cancer Alley

Susan Seacrest

Turned her concern over the quality of local groundwater into a national campaign



"Our quality of life begins with the quality of the air we breathe and the water we drink, but the health of these basic components of life is susceptible to the modern world around us."

"The health and vitality of the earth begins at the community level—every community—and we must be vigilant to ensure that environmental justice is dispensed fairly and vigorously across the diverse landscape of America."



Peggy Shepard
Passionate crusader
for protecting our urban
environmental health

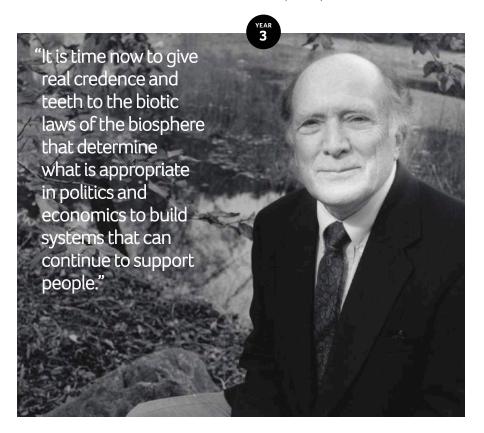
ENVIRONMENT ▶

"Populations in developed countries worry about radon, pesticide residues and chemical emissions from building materials and furnishings. But in developing countries, the problem is even more acute. Nearly two billion people, mostly women and children, are exposed every day to very high levels of indoor air pollution arising from the poor-quality fuels burned from cooking and heating."



George Woodwell

Pioneer in ecosystems research and bringing ecology into the public sphere





John Spengler

Played a pivotal role in raising public consciousness of health-related issues of indoor air quality

Human Condition

RECIPIENTS BY YEAR

- **1ST** Geoffrey Canada
- 2ND Marian Wright Edelman
- 3RD James Comer
- 4тн Carol Gilligan
- **5**тн Luis Acosta + Frances Lucerna
- 6тн Robert Moses
- 7тн Aaron Beck
- **в**тн Cushing Dolbeare
- **9**тн Paul Farmer
- 10TH Robert Butler
- 11тн Joseph Rogers
- 12TH William Thomas
- 13TH David Heymann
- 14тн Brenda Krause Eheart
- **18**тн Freeman Hrabowski III
- 19TH Salman Khan
- 20TH William McNulty + Jacob Wood
- 215T Nadine Burke Harris
- 22ND Angela Blanchard
- 23TH Norman Atkins
- 24TH Sarah Szanton
- **25**тн Molly Baldwin

"I have a vision for a world of peace and justice, and I will settle for nothing less than a world at peace with justice."



Luis Acosta +
Frances Lucerna
Builders of a bridge to help young
people become better citizens

HUMAN CONDITION ▶

"There are no panaceas in public education. We tend to look for the silver bullet—whether it's the glories of the market or the techno-utopian aspirations of education technology—when in fact improving educational outcomes is a hard, messy, complicated process. ... Simply opening the floodgates to more education entrepreneurs doesn't disrupt education. It's just plain disruptive."

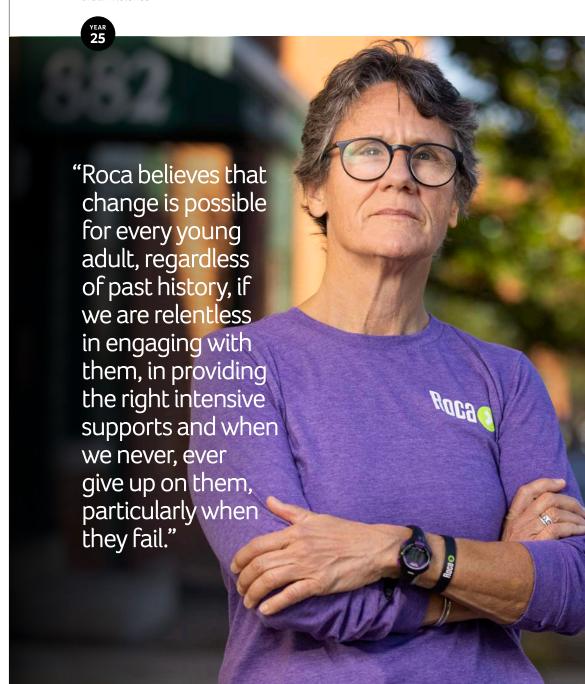


Norman Atkins

Education reformer who pioneered new learning and teacher training models

Molly Baldwin

Developed a highly effective outreach program for young adults affected by urban violence



Aaron Beck

Pioneer in cognitive therapy who sparked a revolution in psychotherapy



"It's not the problem that's the problem, but how we see the problem that is the problem." "I want to spend the rest of my life working on creative, welcoming solutions to displacement and disruption. I want to study how we respond to exodus which I believe to be the heart of the human story."



Angela Blanchard

Developed a model to transform and empower economically disadvantaged communities that draws its ideas from the people served "Without intervention, early adversity dramatically increases the risk of lifelong health problems.... Many people see that as a huge challenge, but I see it as a huge opportunity. The medical community has an opportunity to intervene and interrupt the progression of early adversity to disease and early death."



Nadine Burke Harris

Pediatrician who developed protocols to identify and treat toxic stress in children

Robert Butler

Gerontologist and tireless champion for the rights and needs of the nation's aging population



"Issues relating to aging are not the exclusive domain of the aged. They are important matters—related to society, medicine and public policy alike—that should concern every generation."

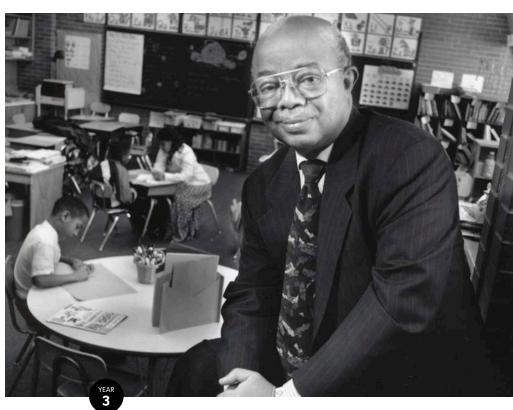
Geoffrey Canada

Dedicated to helping at-risk children rediscover a sense of safety and hope



'Poverty is tough on families in so many ways. It is not quite as simple to get out of poverty as people make out. We must be careful to make sure we build ladders so children and families can climb out of poverty. It's not an easy climb. You can climb all your life and never make it out."

"No significant learning occurs without a significant relationship."



James Comer

Instrumental in shaping improvements in America's schools



Marian Wright Edelman

Protector of the rights of children through the Children's Defense Fund



Cushing Dolbeare

Advocate who tirelessly worked to make low-income housing available to all



"The question is not whether we can afford to invest in every child, the question is whether we can afford not to." "Far too many children, youth and young adults in this nation are growing up without the benefit of a supportive family and community. ... Using the innate capacity of people of all ages to care for each other, it is shifting the primary focus of problem-solving from professionals to the members of the community."



Brenda Krause Eheart

Pioneered an innovative, multigenerational community model to adopt children from foster care

Paul Farmer

Doctor treating disease among the world's poorest



"The idea that some lives matter less is the root of all that's wrong with the world."

Carol Gilligan

Shed new light on gender studies and human development



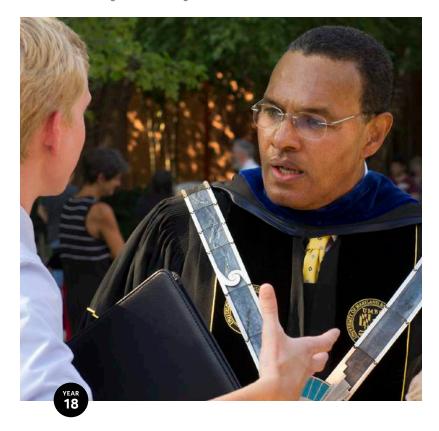
"The hardest times for me were not when people challenged what I said, but when I felt my voice was not heard." "Infectious diseases know no borders and are indiscriminate in selecting their targets, but in working with nearly all infectious diseases, the tools used to control one disease often can be used to control another. That's what makes epidemiology such an important and useful science."



David Heymann

Helping the world prepare to combat widespread infectious diseases

"Watch your thoughts, they become words. Watch your words, they become actions. Watch your actions, they become habits. Watch your habits, they form your character. Watch your character, because it shapes your destiny."



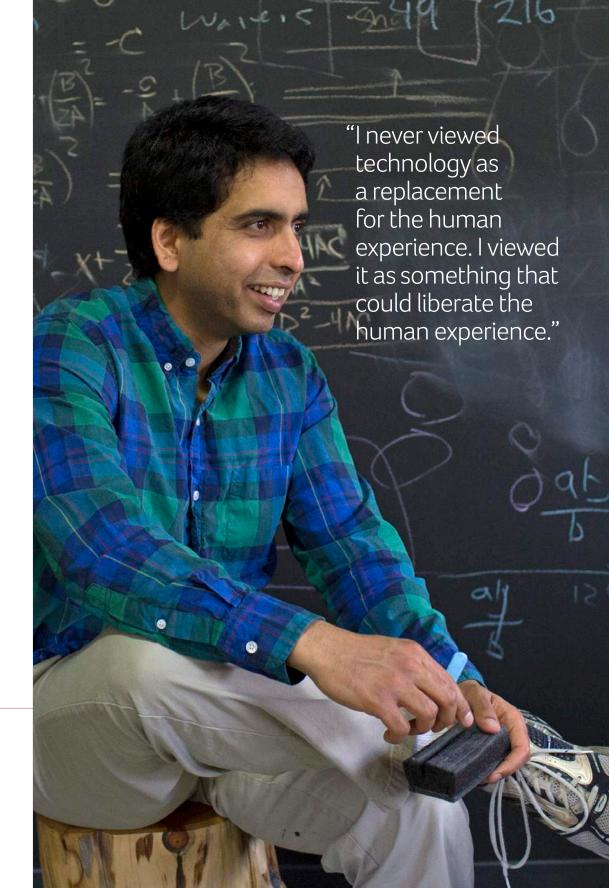
Freeman Hrabowski III

Leading advocate for greater diversity in higher education, especially among science, engineering and math majors



Salman Khan

Developed innovative, online approaches to providing a free, world-class education to students from around the globe

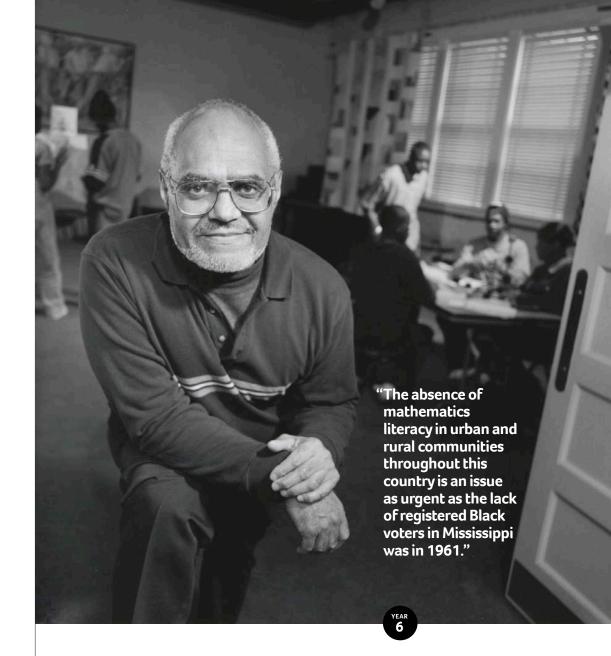


William McNulty + Jacob Wood

Created a movement by tapping into the desire many veterans have for purposeful mission after military service



"We're rewriting the false narrative that portrays veterans as victims who have to be treated with velvet gloves. We're proving to the world that we can challenge them, and that they will do great things. Team Rubicon is a microcosm of what society should be: people serving others, taking chances."



Robert Moses

Educator and founder of the innovative Algebra Project

"While consumers now play a more integral role in the care we receive, we continue to face untold challenges, including how to combat the discrimination and stigma associated with mental illness."

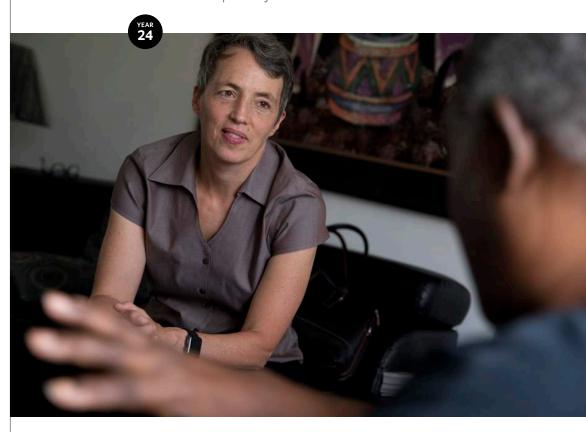


Joseph Rogers

Consumer advocate who transformed the delivery of mental health care services

Sarah Szanton

Created an all-encompassing approach in care to help seniors continue to live independently



"Each human has the potential for purpose at any stage in life. Uncovering this purpose and allowing people to accomplish the daily functional tasks provide each person the same chance of being able to work towards this purpose. That will elevate the human condition."





William Thomas

Physician whose work has transformed long-term care for our aging population

"The most senior among us not only deserve our respect and affection but the kind of care, friendship and amenities that will continue to enrich and bring joy to their lives."

Public Policy

RECIPIENTS BY YEAR

- 1ST James Goodby
- 2ND C. Everett Koop
- 3RD Ralph Cavanagh
- 4тн Ernesto Cortes, Jr.
- **5**тн Daniel Patrick Moynihan
- **6**тн Edward Zigler
- 7TH John Holdren
- **в**тн George Lee Butler
- 9тн Geraldine Jensen
- 10TH Julius Richmond
- 11тн Sidney Drell
- 12тн Bruce Katz
- 13TH Donald Berwick
- 14тн Robert Greenstein
- 18тн KC Golden
- 19TH Sanjeev Arora
- **20**тн Aaron Wolf
- 215T Michelle Alexander
- 22ND Mona Hanna-Attisha
- 23RD Sherri Mason
 - Enric Sala
- **24**тн Amanda Nguyen
- **25**тн Katy Kozhimannil

Michelle Alexander

Civil rights lawyer and author of The New Jim Crow: Mass Incarceration in the Age of Colorblindness



Sanjeev Arora

Provides healthcare to people living in rural and medically underserved areas using video technology



"Even in these divisive times, virtually everyone in America can agree on one thing: Our healthcare system is sick. Nowhere is this problem more evident than in rural America."

"At last, I think we're starting to recognize the inescapable importance of the social determinants of health, but now we need to go one very hard step further. We need to call out, not just the social determinants of health, but also the moral determinants of health, because without that we are not going to find the will to act."



Donald Berwick

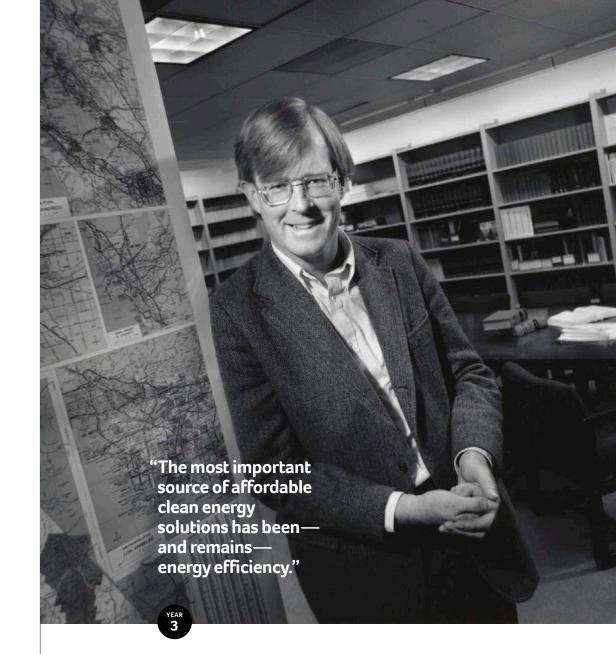
Dedicated to the overhaul of the nation's mistakeprone healthcare industry

George Lee Butler

Retired general who has helped reduce the nation's arsenal of nuclear weapons



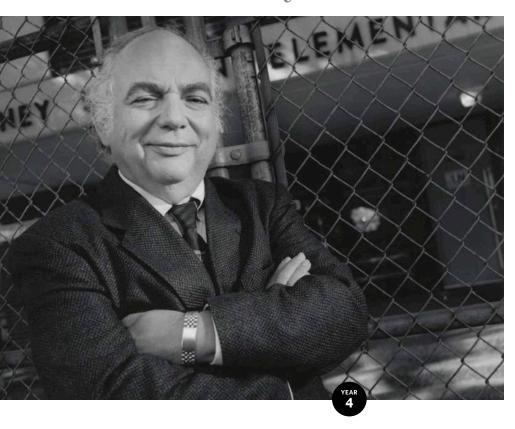
"Standing down nuclear arsenals requires only a fraction of the ingenuity that was devoted to their creation."



Ralph Cavanagh

Leader in bringing about positive changes in utility regulatory reform

"Deliberation and negotiation are necessary for a free society."

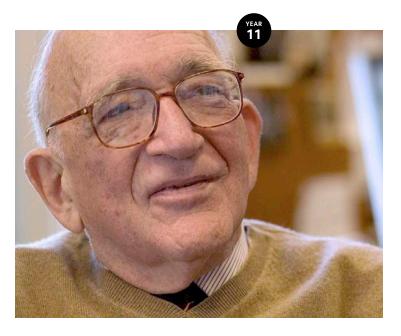


Ernesto Cortes, Jr.

Dedicated to encouraging citizen participation in the political process

Sidney Drell

Helped to reduce the threat of nuclear catastrophe through his leadership



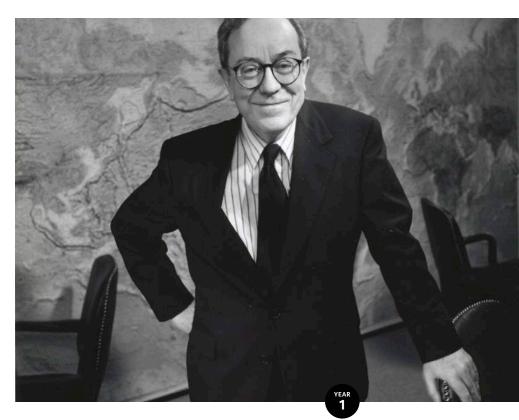
"Science knows no boundaries, and efforts to create barriers— whether to keep new ideas within or to prevent new ones from entering from the outside— have universally proved harmful to progress."

KC Golden

Works to create sustainable solutions to environmental and economic problems



"Climate disruption is at least as much about equity as efficiency." "Throughout the history of the nuclear age, calculations about nuclear deterrence—how to achieve the desired effect of inducing caution in an opponent's decision-making—have been surprisingly fluid and, in historical terms, even volatile. ...It is time for another change in thinking about nuclear deterrence even more radical than that of the 1980s."



James Goodby

Negotiator in the high-stakes arena of international nuclear weapons control

"One way to make government less effective and competent over the long run is to create an atmosphere in which talented young people don't want to be career officials."

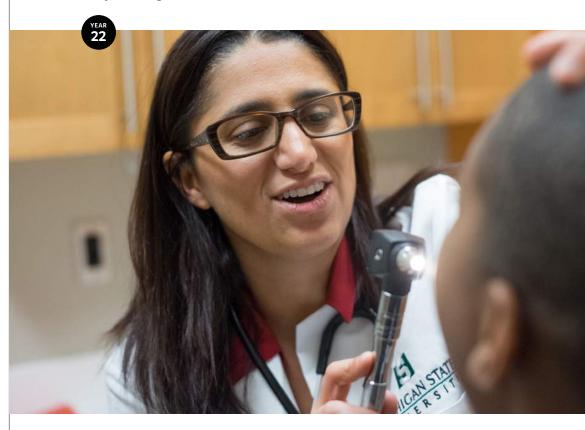


Robert Greenstein

Advocate for the country's lowand moderate-income citizens on federal and state policy matters

Mona Hanna-Attisha

Pediatrician who ignited a renewed nationwide conversation about lead exposure and the safety of drinking water



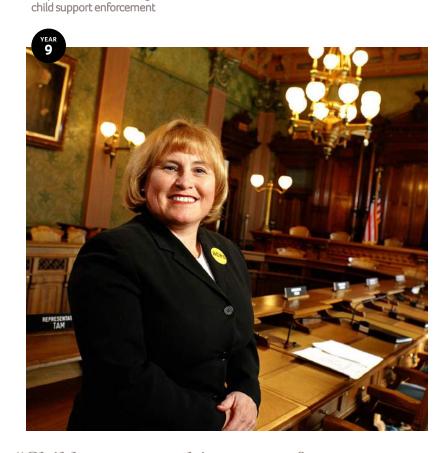
"Challenging injustice means standing up for the weak, the vulnerable, the abused and the forgotten— be it in health, employment, education or the environment. It means being vigilant on behalf of people who are treated as pariahs and scapegoats, populations that are dehumanized, displaced and treated as disposable. It means fighting oppression at every opportunity— no matter the place or country."



John Holdren

Physicist who has played a significant role in arms control and global energy resources

Geraldine Jensen
Responsible for reforming



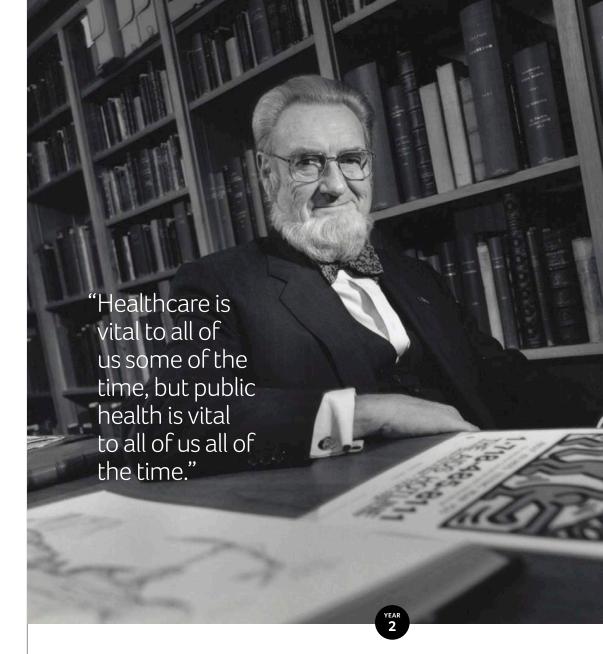
"Child support, taking care of our children, is the most important responsibility and privilege that we as parents have. It should be part of our very social fabric. It should be part of every policy affecting families, including the economy and taxes."

Bruce Katz

Through his leadership, metropolitan areas are reemerging as vibrant centers of commerce, housing and culture.



"Cities, unlike political parties, do not have the luxury of appealing to popular passions; they need to govern and do real things. If they don't, they will be left behind."



C. Everett Koop

Former U.S. Surgeon General and the nation's advocate for good health "I saw maternal mortality shatter my family, and to know that it is still happening—more commonly in rural communities and up to three times more frequently among Black and Indigenous mothers—it's just unacceptable."



Katy Kozhimannil

Drives policy change to reduce rising maternal mortality rates and address structural racism in healthcare

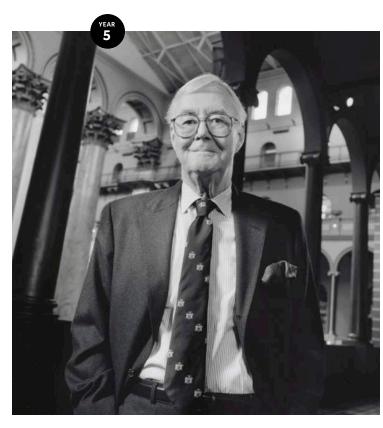
Sherri Mason

Identified the presence of plastics in fresh water, raising awareness of their potential health impact



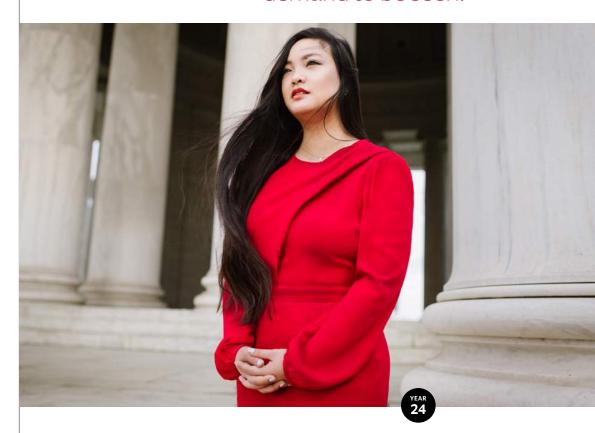
Daniel Patrick Moynihan

Renowned U.S. Senator, a unique voice for many years



"Everyone is entitled to his own opinion, but not to his own facts."

"No one is powerless when we come together, and no one is invisible when we demand to be seen."



Amanda Nguyen

Works to secure state, national and international protections for victims of sexual assault

Julius Richmond

Former U.S. Surgeon General with a lifelong commitment to the health of our children



"Do we know enough? What's the knowledge base? Is there the political will to apply what we know? Do we have a social strategy to bring the knowledge and the politics together in a productive way?"

"The problem is that we have been building for growth, not resilience. We can't afford to not protect nature. I hope everybody now understands there is no human health separate from environmental health."



Enric Sala

Protector, surveyor and researcher of the Earth's remaining pristine ocean places

"Water can be used as a means for people of different ideological backgrounds to talk about a shared vision of the future."



Edward Zigler

Champion of the national Head Start program



"So there's much more to life than one's intelligence score. To be a decent human being. To have some character."

YEAR 20

Aaron Wolf

Expert in water diplomacy and the mediation of transboundary water conflicts

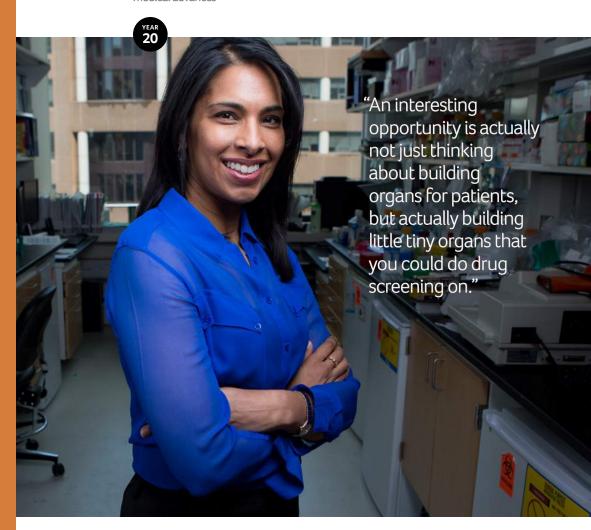
Technology, the Economy + Employment

RECIPIENTS BY YEAR

- 1ST Andrew Grove
- 2ND William Rutter
- **George Hatsopoulos**
- 4тн Ralph Gomory
- **5**тн Dean Kamen
- 6тн Mary Good
- 7тн Steve Wozniak
- **8**тн Anita Borg
- отн Paul MacCready
- 10тн Robert Lange
- 11TH Mildred Dresselhaus
- 12TH Leroy Hood
- 13TH Hugh Herr
- 14тн Joseph DeRisi
- 18тн Jay Keasling
- 19TH Leila Janah
- **20**тн Sangeeta Bhatia
- 21ST Matthew Mullenweg
- 22ND Joseph DeSimone
- 23RD Linda Rottenberg
- 24тн Brandon Dennison
- 25TH Alfa Demmellash +
 - Alexander Forrester

Sangeeta Bhatia

Innovative scientist using nanotechnology for tissue regeneration and other medical advances



Anita Borg

Computer scientist committed to women's advancement in technology



"The presence, or absence — of women in the computing and technological fields—as students, inventors, creators and educators will define our technical future. As women rightly take their place as half of the creators, technology will find its positive and peaceful impact on the future."



Alfa Demmellash + Alex Forrester

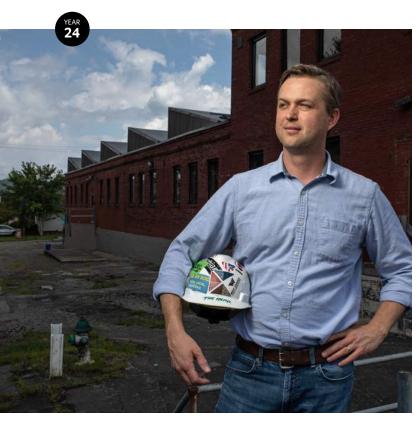
Co-founders who created an inclusive model to mentor entrepreneurs and business owners in low-income communities

"We named it Rising Tide Capital because there is the saying that 'a rising tide lifts all boats.' While there is truth in this statement, there is also a critical need to recognize that this only works for people who already have 'boats.'"



Brandon Dennison

Developed a workforce model that is building a new economy in Appalachia



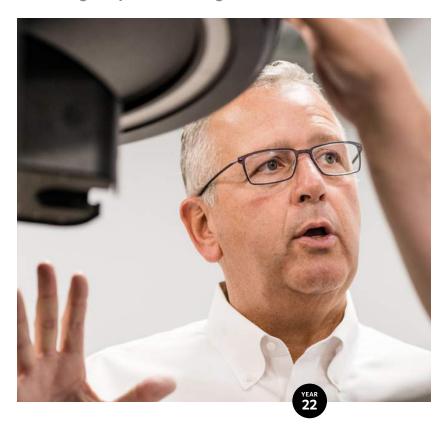
"Most job training is designed to meet the needs of existing employers, but in Appalachia we have a whole economy that needs to be rebuilt and redesigned. ... What benefits employees is to have a healthy economy that is diversified, not dependent on a single industry, and has lots of different opportunities for lots of different kinds of people." "Rapid advances in biotechnology and bioinformatics have enabled us to examine the nature of infectious diseases and the microbial world that surrounds us at a resolution that was once unimaginable. ... The most exciting discoveries, diagnostic developments and, ultimately, cures are yet to come."



Joseph DeRisi

Innovative scientist who developed rapid virus detection technology

"Diversity is a fundamental tenet of innovation. After all, we learn the most from those we have the least in common with. It's the differences across disciplines, perspectives, life experience, culture and gender coming together that culminate to drive new ways of thinking and problem solving."



Joseph DeSimone

Chemist who developed advanced technologies in nanoparticle fabrication, 3D printing and precision medicine

Mildred Dresselhaus

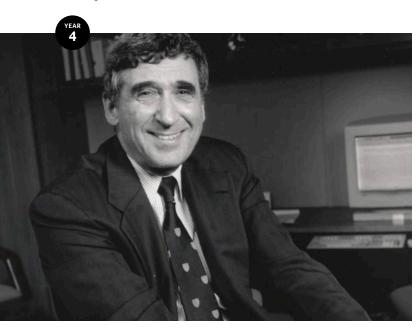
Scientist and role model for women and a mentor to many other future scientists



"Diversity and inclusion of women and underrepresented minorities in science should not affect the way education is handled or research is carried out. So diversity should not be a problem but rather an opportunity to involve a large talent pool."

Ralph Gomory

Recognized the economic significance of technology to society



"The problems we have today with trade are the natural result of a flawed system, a system that considers the welfare of our companies but not of our country. Change from the status quo is always difficult and requires political will. But it can be done."

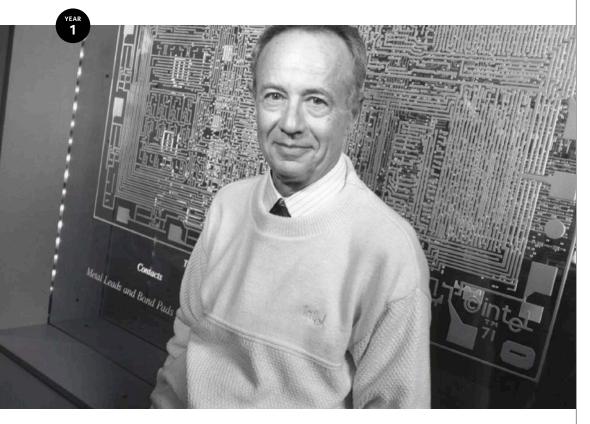


Mary Good

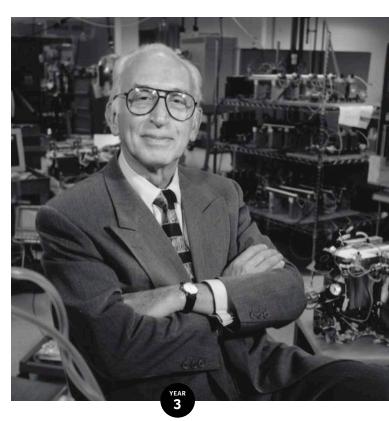
Visionary in harnessing science and technology to grow the economy

Andrew Grove

Pioneer in the personal computer industry



"Bad companies are destroyed by crisis; good companies survive them; great companies are improved by them." "We try to anticipate problems and begin to address them long before others recognize the need. The best way to put technology to work is to address new problems. You can always address existing problems, but there's more competition there."



George Hatsopoulos

World leader in environmental monitoring and biomedical manufacturing

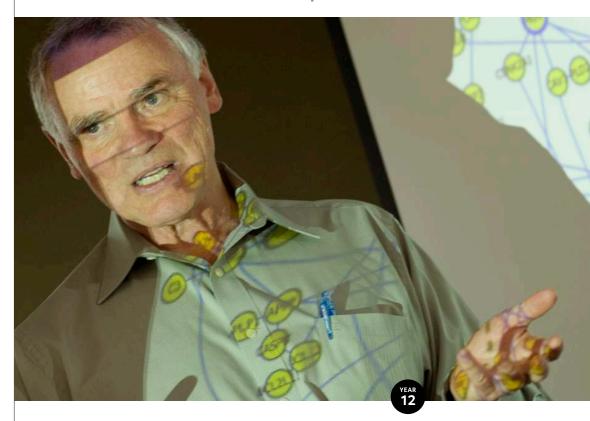
Hugh Herr

Creator of prosthetics that merge body and machine



"Humans are not disabled.
A person can never be broken.
Our built environment, our technologies, are broken and disabled. We the people need not accept our limitations but can transcend disability through technological innovation."

"Don't underestimate the power of your vision to change the world. Whether that world is your office, your community and industry or a global movement, you need to have a core belief that what you contribute can fundamentally change the paradigm or way of thinking about problems."



Leroy Hood

Visionary reformer whose breakthroughs in biomedical science have unlocked new fields of study "I've come to realize that people are often poor because they have not been given the opportunity to take a job with a paycheck that can make a difference for them and their families. Technology removes the geographical constraints and opens up an entirely new pool of prospective employees."



Leila Janah

Social entrepreneur who provided digital employment and empowerment to thousands in the world's poorest regions

Dean Kamen

Inventor and mentor to a new generation of scientists through FIRST



"Everybody has to be able to participate in a future that they want to live for. That's what technology can do." "Synthetic biology is revolutionizing the way we produce medicine, energy and chemicals. ... Imagine if all the products now made from petroleum were made from sugar. By applying synthetic biology, the process to create fuels, components of plastic, medicines and more would instead be non-polluting and nearly carbon-neutral, decreasing the production of greenhouse gas and environmental pollution."



Jay Keasling

Chemical engineer revolutionizing the way we produce medicine, energy and chemicals using synthetic biology

Robert Langer

Engineer and medical pioneer whose breakthrough discoveries have launched a new field of medical exploration



"Chemical engineering is one of the broadest backgrounds one can have. It can enable you to work in so many areas—nanotechnology, materials, energy, medicine and many others. And it can enable you to discover and invent things that can change the world."

Paul MacCready

Aeronautical engineer, called the "father of human-powered flight"



"If you have the enthusiasm to charge ahead, you can do all sorts of things. Some things you can't do. You can't invent a perpetual motion machine. You've got to select your targets. But people can do so much more than they realize."



Matthew Mullenweg

Visionary behind WordPress, the popular, no-cost, open source platform "I love that WordPress has been able to make this impact far and beyond even my own success or the company's success, because there's this broader thing out there in the world that creates opportunities for people to grow and multiply beyond what I can imagine."



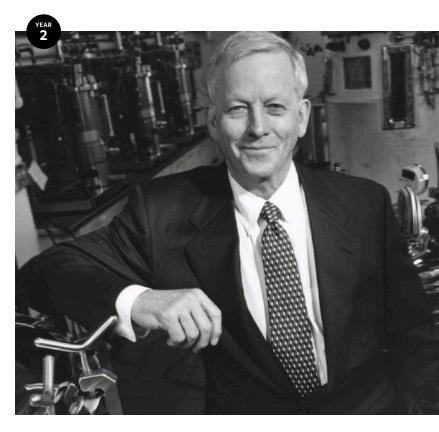


Linda Rottenberg

Driver of social change who helps high-impact entrepreneurs overcome cultural and financial barriers to growth

William Rutter

Industrialist who helped to create the emerging biotechnology industry



"Experimentation is a marvelous life. I considered it a terrific opportunity to help humanity."

"If you love what you do and are willing to do what it takes, it's within your reach. And it'll be worth every minute you spend alone at night, thinking and thinking about what it is you want to design or build. It'll be worth it, I promise."



Steve Wozniak

Inventor of the first personal computer, the Apple I



Special Focus

RECIPIENTS BY YEAR

15ТН: Environment

Robert Berkebile

P. Dee Boersma

Christopher Field

Ashok Gadgil

Chip Giller

Deborah Rice

Joel Salatin

Kirk Smith

Thomas Smith

Beverly Wright

16TH: Global Change

James Balog

Terrence Collins

Gretchen Daily

Richard Feely

Cary Fowler

Lynn Goldman

Elizabeth Kolbert

Michael Oppenheimer

Daniel Sperling

Frederick vom Saal

17TH: Environment

John Luther Adams

Richard Alley

Janine Benyus

Ian Cheney + Curt Ellis

Louis Guillette

Joan Kleypas

Nancy Knowlton

Nancy Rabalais

Sandra Steingraber

Robert Berkebile

Architect who championed sustainable green building design



"In nature, the place where two ecosystems meet is where all the activity, all the exchange is found. I think the same is true in designing communities and buildings. If we explore the edges and look for ways to integrate and soften, we'll find some of the greatest opportunities for breakthrough-scale improvements."

"We are changing the world, the course of evolution, and the species with which we share the planet. Can people change to allow other species to persist and coexist?"



P. Dee Boersma

Conservationist whose work with penguins has led to a greater understanding of marine ecosystems

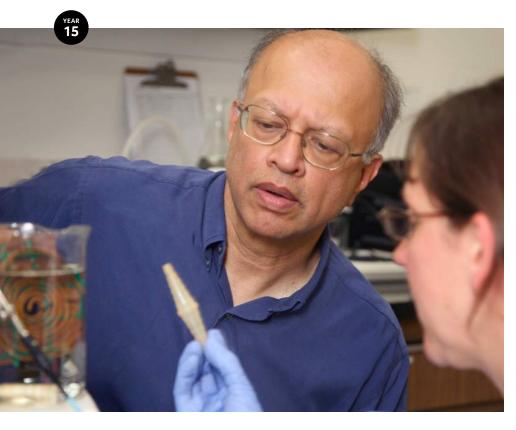
Christopher Field

Leader in the emergence of global ecology as a unique discipline



Ashok Gadgil

Inventor whose designs enhance the quality of life in developing countries

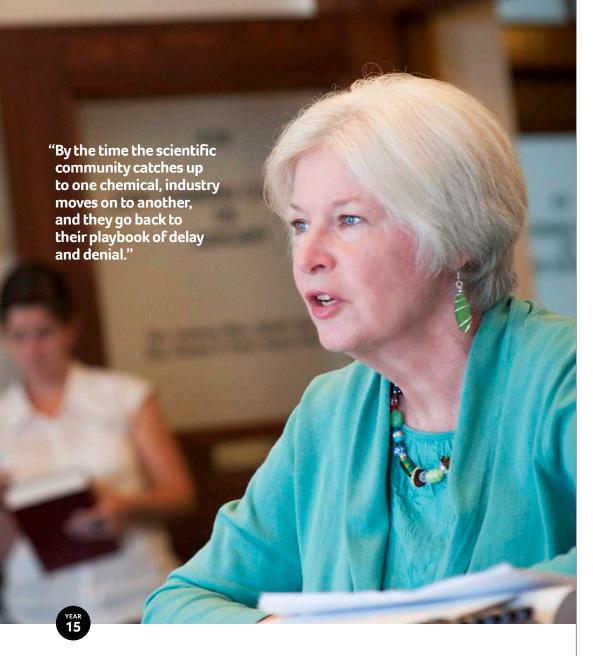


"Sitting in the first world and creating a solution without walking in the shoes of the people you're trying to help often leads to failure. One really needs to understand the worldview of the people you're trying to help."

"What I try to encourage individuals to do is don't sweat the small stuff, sweat the big stuff."



Chip Giller
Spreading a new form
of green journalism with
a humorous twist



Deborah Rice

Increasing the understanding of how toxicants impact human development

Joel Salatin

Farmer, author and lecturer who has helped spawn a movement toward sustainable agriculture



"This magical, marvelous food on our plate, this sustenance we absorb, has a story to tell. It has a journey. It leaves a footprint. It leaves a legacy. To eat with reckless abandon, without conscience, without knowledge; folks, this ain't normal."

Kirk Smith

First to recognize the dangers of indoor fuel use to human health



"People burn solid fuels like wood or cow dung because they are too poor to buy cleaner fuel. The problem is, we're not lifting people out of poverty. There are still three billion people on the planet using these solid fuels and the number is not decreasing." "Renewables create more and better jobs, at better wages, and... they are eternal."



Thomas Smith
One of the nation's
most effective renewable
energy advocates

Beverly Wright

Leading scholar and advocate for environmental justice



"It's time to break the cycle.
The cycle of continuing to put dirty, nasty, polluting facilities in the neighborhood of minorities and poor people."



James Balog

Photographer who documents the dramatic devastation of global warming



"Every human being, every animal, every fish, every aquatic organism deserves to thrive on or in water that is uncontaminated by the products and byproducts of the chemical enterprise. Bringing this about is one of the greatest sustainability challenges of our time."



Terrence Collins

Chemist who detoxifies hazardous materials and teaches green chemistry

Gretchen Daily

Visionary conservation biologist who identifies the financial value of natural ecosystems



"What we found was just amazing to us. We did the most thorough analysis that's ever been done and found extensive impacts on marine life in the field from ocean acidification."



Richard Feely

Renowned oceanographer who identified ocean acidity as global warming's "evil twin"

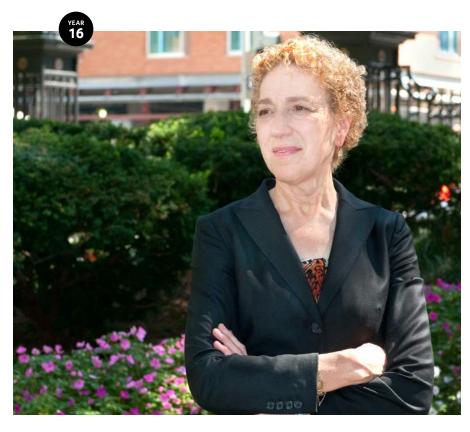
Cary Fowler
Established the Global Seed
Vault to conserve diversity



"In the game of life, less diversity means fewer options for change. Wild or domesticated, panda or pea, adaptation is the requirement for survival."

Lynn Goldman

Epidemiologist who advocates regulation of chemicals and public disclosure of pollutants



"I have witnessed far too many children with preventable diseases. A call for regulation against potentially dangerous chemicals is critical to providing what every child is entitled to—nutritious food and a healthy environment."

"Though it might be nice to imagine there once was a time when man lived in harmony with nature, it's not clear that he ever really did."



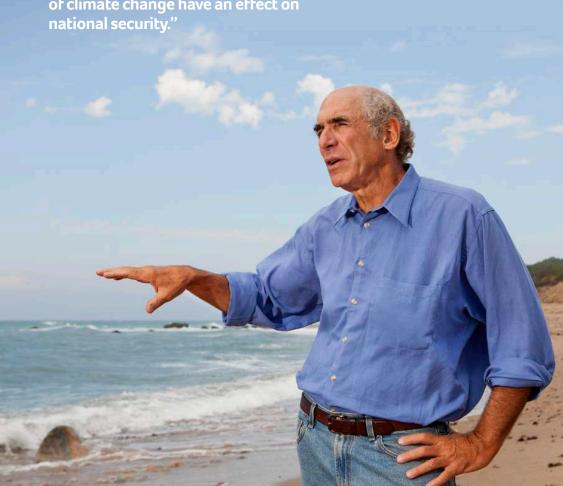
Elizabeth Kolbert

Environmental journalist and author who has informed millions on biodiversity and mass extinction

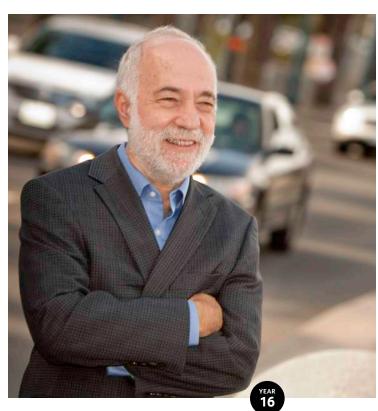
Michael Oppenheimer

Climate scientist who assesses global warming impact and advocates prevention policies

"The link between climate science and national security has been closely studied for over a decade at the highest levels of the U.S. government—by scientists, the Defense Department and intelligence agencies—and all those studies have made a strong case that various aspects of climate change have an effect on national security."



"We need to wean ourselves off fossil fuels and the GHG emissions they produce—and rebuild our cities and transportation systems to be far more energy-efficient. We need to shift to a world that relies on sun, water, wind and plants for energy. We need visions, strategies and action."

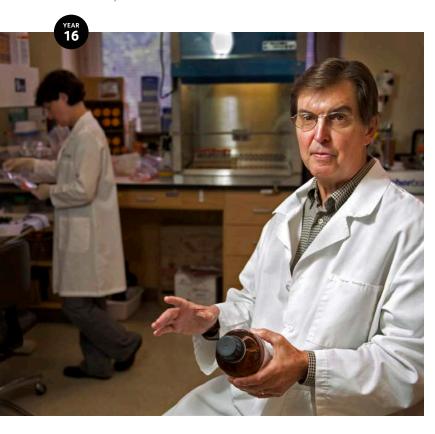


Daniel Sperling

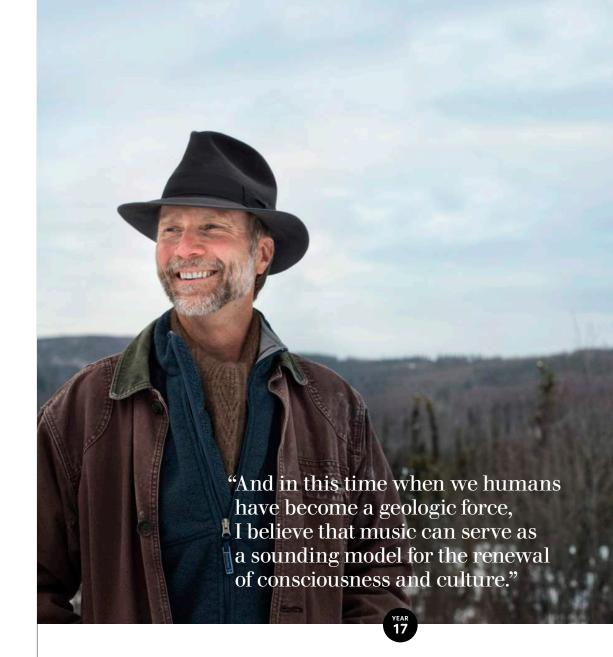
Advances sustainable transportation policies and the transition to alternative fuels

Frederick vom Saal

Toxicologist who discovered health risks from the chemical bisphenol A



"What's scary is that we found effects [of BPA] at levels that the government not only says is safe, but that they don't bother to test."



John Luther Adams

Composer inspired by nature who is raising ecological awareness through musical works

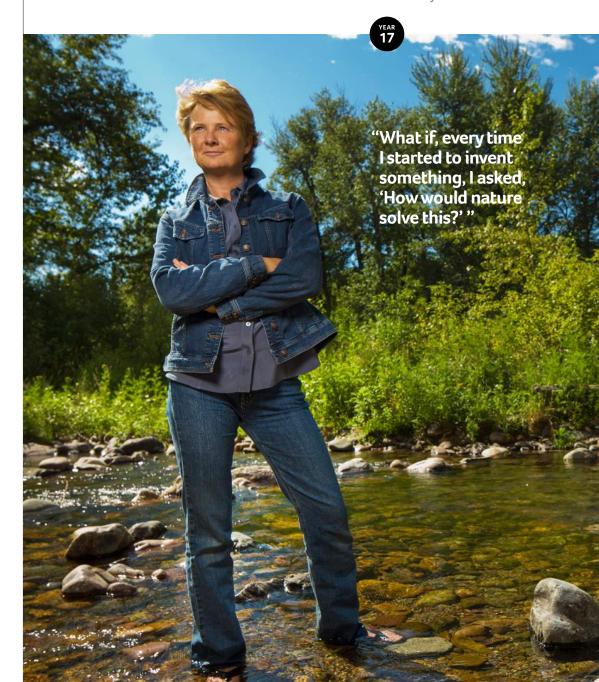
"The more the climate is forced to change, the more likely it is to hit some unforeseen threshold that can trigger quite fast, surprising and perhaps unpleasant changes."



Richard Alley

Geologist using data in ice sheets and glaciers to uncover trends in Earth's climate history

Janine Benyus Innovator in the field of biomimicry



"It's incredible the number of people who've come up to us after seeing [King Corn] and have told us that they've changed the way they eat since watching it. And that was our hope—to transform the system into something that both tastes good and is good for you and the people who produce it."



Ian Cheney + Curt Ellis

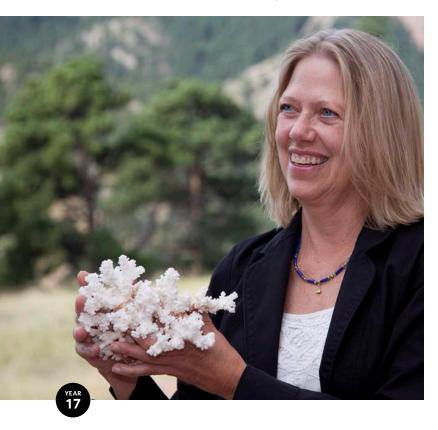
Filmmakers and advocates who use humor and innovative programming to change the dialogue about sustainable food

Louis Guillette

Created an in-depth model for understanding the impact of toxins on wild animals



"If these animals can tell us something is going on in our environment, that's also powerful. If this environment is not healthy for alligators, it's not healthy for us." "I like to call these nature's masterpiece. If we lose coral reefs, we're really losing something that nature took millions of years to produce."



Joan Kleypas

Marine ecologist and geologist uncovering how changing ocean temperature and acidification have impacted coral reefs

Nancy Knowlton

Marine biologist devoted to understanding ocean biodiversity and celebrating conservation success stories



"Without examples of conservation succeeding, hopelessness could itself emerge as a driver of extinction."



Nancy Rabalais

Marine ecologist who researches the Gulf of Mexico's "dead zone" and its source, agricultural runoff

Sandra Steingraber

Scientist, author and advocate highlighting links between toxic chemicals and diseases



"Fracking is an atrocity. It's an assault on public health, air quality, our precious freshwater resources and the climate itself. There is no way to do it right, and those who claim otherwise are on the wrong side of history."

Special Awards

RECIPIENTS BY YEAR

Chairman's Medal

3RD William Hewlett + David Packard

7тн Dorothy Height Russell Train

втн Ruth Patrick

10TH Richard Lugar + Sam Nunn

11TH Richard Goldman

12TH Elma Holder

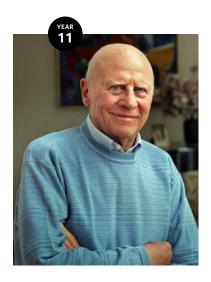
25th Anniversary Award

25тн David Autor



Richard Goldman
One of the nation's most

munificent benefactors



"We were seeking ordinary people doing extraordinary things. Most of them are modest folks who believe in saving the environment for the future. They really do want to make the world a better place."



Dorothy Height

Unwavering champion of civil rights and empowering African American women

"The best possible company management is one that combines a sense of corporate greatness and destiny with empathy for, and fidelity to, the average employee."



William Hewlett + David Packard

Electronics pioneers who broke new ground in management philosophy

Elma Holder

Helped bring about nursing home reform through her tireless efforts



"Are nursing homes 'over-regulated'? ... I think most parents view school regulations as necessary public standards. Why should it be any different for old people in nursing homes, where failure to adhere to public standards can result in the premature death of a resident?"

Richard Lugar + Sam Nunn

Visionary leaders in reducing nuclear threat



"Americans certainly need no reminder of the ominous threat posed by weapons of mass destruction. The post–Cold War lines between good and evil are constantly shifting, if even possible to discern. The global vigilance that is necessary to guard against these weapons begins with us..."



Ruth Patrick

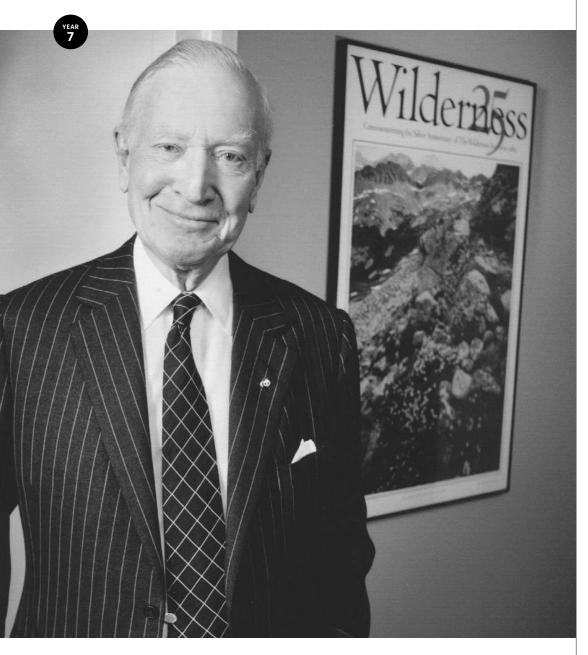
Crusader for freshwater ecosystems

"I remember the feeling I got when my father would roll back the top of his big desk in the library and roll out the microscope. He would make slides with drops of the water samples we had collected, and I would climb up on his knee and peer in. It was miraculous, looking through a window at a whole other world."



Russell Train

One of the most influential and well-known leaders in American conservation



"...the environmental clock is now running backwards. Environmental quality is a key determinant of the quality of our lives—of our health, the health of ecosystems, our economic well-being, even the security of our nation."

PHOTO CREDITS

John Heinz: Beverly Hall

1st through 14th

Awards Photographer: Jim Harrison

Exceptions:

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Jacques d'Amboise: Courtesy Office of Jacques d'Amboise

Ruth Patrick:

Courtesy Office of Ruth Patrick

Richard Lugar + Sam Nunn: Courtesy Office of the Secretary of the Senate

Richard Goldman:

Courtesy Office of Richard Goldman

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Roz Chast: Kelly Campbell Frederica Perera: Kelly Campbell Sangeeta Bhatia: Bryce Vickmark Aaron Wolf: Ali Smith William McNulty + Jacob Wood: Dave Lauridsen

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Ralph Lemon: Kelly Campbell Ming Kuo: William Zbaren Norman Atkins: Kelly Cambell Sherri Mason: Annie O'Neill Enric Sala: Steve Spence Linda Rottenberg: Kelly Campbell

Kevin Everson: Tom Daly Rue Mapp: Bethanie Hines Sarah Szanton: Tyrone Turner Amanda Nguyen: Kate Warren Brandon Dennison: Annie O'Neill

Gabriela Lena Frank: Mariah Tauger Linda Behnken: Dan Evans Molly Baldwin: Josh Franzos Katy Kozhimannil: Raygen Samone Alfa Demmellash + Alexander Forrester: Josh Franzos David Autor: Josh Franzos

BACK COVER John Heinz:

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