

## RESUME

### DAVID MADDOX, PHD

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David loves people, urban spaces, and nature. He loves knowledge, creativity, and collaboration. He loves art, theatre, and music. In his life and work he has practiced in all of these.

He is committed to the creation of sustainable, resilient, livable, and just cities. After a PhD in ecology and statistics at Cornell he spent 10 years with The Nature Conservancy working on climate change and stewardship. Then he became a composer, musician, playwright, and theatre artist. As a [composer, musician, lyricist and playwright](#), creating various recordings and eight produced works of musical theatre, three published by [Dramatic Publishing](#), and with commissions for new work from organizations such as the Kennedy Center, Signature Theatre, and George Mason University. He has created sound designs and scores to over 150 productions around the U.S., and has worked in dance, museum design, and documentary film. David has received various awards for work in theater, including 13 Helen Hayes Award nominations (and one win), and various other awards.

In 2012, David founded The Nature of Cities and remains its Executive Director. TNOC is a transdisciplinary essay and discussion site—with 1,200+ writers from around the world, from scientists to activists, designers to artists—on cities as ecosystems of people, nature, and infrastructure. Core to this work is knowledge building from multiple sources, putting people with different ideas and creativities together: from art to science to planning to community building. As part of this work, he has co-created a poetry journal (Sprout), curated many art+science exhibits, a comic book series on nature-based solutions, written many papers and book chapters in science and urbanism, is an international speaker, created a website of nature-themed graffiti, led community projects, edited two books of short fiction, and co-leads (with the US Forest Service) an arts residency program that creates teams of artists and scientists to learn from each other. This work that has led to many arts happenings, from murals and installations, to participatory meetings merging art, planning, science, and communities. He remains active in music.

He splits his time between New York City and Olivebridge, NY.

### PROFESSIONAL HISTORY

Founder and Editor, The Nature of Cities Collective, 2012-present

*Founder, curator, and editor of a collective blog, discussion, and media site on cities as ecological spaces; ca. 1000+ writers from around the world, with a multidisciplinary perspective; readers from 3500+ cities and 150+ countries ([www.thenatureofcities.com](http://www.thenatureofcities.com), [www.thenatureofgraffiti.org](http://www.thenatureofgraffiti.org); Twitter: [@TNatureofCities](https://twitter.com/TNatureofCities)), Facebook (<https://www.facebook.com/pages/The-Nature-of-Cities/258700904229882>)*

Willie Bell Music, 1987-present

*Writer, director and producer of eight works of musical theatre and dance commissioned by the Kennedy Center, Signature Theatre, George Mason University, and ChildsPlay; three plays*

*published by Dramatic Publishing Company; released three full cast albums. >100 theatrical productions as a sound designer and composer (<http://www.williebellmusic.org>)*

Principal and Co-Founder, Sound Science LLC, 2002-2010

*Projects and strategic planning for land management, including climate change and water conservation; statistics, monitoring and evaluation; conservation; and natural resource management; analyzed political polling and marketing data.*

Director of Science, NYC Natural Areas Conservancy, 2013

*Created the position of Director of Science for a public-private partnership with the New York City Parks Department; Co-Director of the NYC Urban Field Station; transitioned to the Advisory Board in fall 2013.*

Stewardship Ecologist / Research on Global Climate Change, The Nature Conservancy, 1990-2000

Endangered Species Biologist, Maryland Natural Heritage Program, 1988-1989

*Conducted research on Federally Listed Endangered species; authored an Endangered Species Recovery Plan for the US Fish & Wildlife Service.*

Statistical Analysis Assistant, Department of Sociology, Duke University, 1977-1980

*Assisted in statistical analysis of longitudinal data in sociology and aging; data preparation; assisted in teaching courses in statistics for social scientists.*

## EDUCATION

Ph.D. 1987 Cornell University (Ecology and Evolutionary Biology, Statistics)

B.S. 1980 Duke University (Zoology)

## THE NATURE OF CITIES

Founder and Editor-in-Chief of The Nature of Cities, an international collective publishing platform and discussion site on science + art + practice in urban sustainability; TNIC is a 501(c)3 organization <http://thenatureofcities.com>

## PROFESSIONAL SERVICE, INCLUDING BOARDS

- Advisory Boards: GoNaturePositive (Dublin); Connecting Nature (Dublin); Biophilic Cities Network (Charlottesville)
- Town of Olive Conservation Advisory Council; Town of Olive Comprehensive Plan Committee

## PERSONAL

- Native English speaker; adept in Spanish (oral and written); basic French
- Published playwright and composer, musician (<http://www.williebellmusic.org>)
- Extensive worldwide travel (Asia, Africa, South Asia, Europe, Latin America)

## PRINCIPAL ESSAYS FOR THE NATURE OF CITIES

*Environmental Education and Advancing Urbanization*

*with Harini Nagendra, Thomas Elmqvist, and Alex Russ.*

<https://www.thenatureofcities.com/2016/05/01/advancing-urbanization/>

*Creative Place-making—This is the Nature of Graffiti*

<http://www.thenatureofcities.com/2016/01/20/creative-place-making-this-is-the-nature-of-graffiti/>

*Cities in Imagination*

<http://www.thenatureofcities.com/2015/10/21/cities-in-imagination/>

*Imaging the Urban Wild—Fourteen Photographers and Artists Show and Talk about their Work* <http://www.thenatureofcities.com/2015/04/21/imaging-the-urban-wild-thirteen-photographers-and-artists-of-urban-nature-and-open-space-show-and-talk-about-their-work/>

*It is Difficult to Take In the Glory of the Dandelion*  
<http://www.thenatureofcities.com/?p=8769>

*Simulation Models Are Fantastic Tools for Engagement*  
<http://www.thenatureofcities.com/?p=5928>

*The Cities We Want: Resilient, Sustainable, and Livable*  
<http://www.thenatureofcities.com/?p=3314>

*We're Number 1\* (\*Depending): The Values Embedded in "Most Green City" Lists*  
<http://www.thenatureofcities.com/?p=1391>

## PUBLICATIONS AND WRITING IN SCIENCE

Chris Fremantle, Lindsay K. Campbell, Julie Capito-Hernández, Erika Svendsen, **David Maddox**. Evaluating for impact: the role of artists in residence in science-land management-community collaboration. In review at *The International Journal of Social, Political and Community Agendas in the Arts*

Robert I. McDonald, Dagmar Haase, Thomas Elmqvist, and **David Maddox**. Uncharted political waters for sustainability. In review at *Nature Sustainability*

Steward T.A. Pickett, Weiqi Zhou, Daniel L. Childers, J. Morgan Grove, Winslow D. Hansen, Dexter H Locke, Christopher Boone, Karen C. Seto, Dawa Zhaxi, Shannon LaDeau, Leonard Nevarec, Robert Freudenberg, Christopher T. Solomon, Elizabeth M. Cook, Russell Urban-Mead, **David Maddox**. The Continuum of Urbanity: A Synthetic Concept for Research on Urban Connectivity. PNAS Perspectives. In review at *Urban Sustainability*.

Lindsay K. Campbell, Chris Fremantle, **David Maddox**, Erika Svendsen, Sarah Hines, Mary Mattingly, Matthew López-Jensen, Nikki Lindt, Liza Paqueo & Michelle Johnson (02 Apr 2024): Transdisciplinary and arts-centred approaches to stewardship and sustainability of urban nature, *Landscape Research*, DOI: 10.1080/01426397.2024.2325507

Patrick M. Lydon, **David Maddox**, Robin Lasser, Baixo Ribeiro, Carla Vitantonio. 2023. 1 + 1 = 3: Stories of Imagination and the Art of Nature Based Solutions. IN *Nature-based Solutions for Cities*. Timon McPhearson, Nadja Kabisch, Niki Frantzeskaki (Editors). Edward Elgar Publishing. 408pp ISBN: 9781800376755

**David Maddox**, Curtis Walker, Malerie Lovejoy. 2021. *City in a Wild Garden: Stories of the Nature of Cities*, Volume 2. Guelph: Publication Studios (fiction).

Douglas, I, P. Anderson, D. Goode, M.C. Houck, **D. Maddox**, Harini Nagendra, and T.P. Yok (Editors). 2020. ***Handbook of Urban Ecology, 2<sup>nd</sup> Edition***. Abingdon: Routledge Press.

Cecilia Herzog, Diana Wiesner, **David Maddox**. 2020. Science Is Not Enough: Grassroots and Bottom-Up Action in Urban Ecology. IN Douglas, I, P. Anderson, D. Goode, M.C. Houck, **D. Maddox**, Harini Nagendra, and T.P. Yok (Editors). *Handbook of Urban Ecology, 2<sup>nd</sup> Edition*. Abingdon: Routledge Press.

**David Maddox**. 2020. Values, Imagination, and the Nature of Nature-Based Solutions. IN Cecilia Herzog and Tiago Freitas (Editors). *Soluções Baseadas na Natureza e os Desafios da Água: acelerando a transição para cidades mais sustentáveis*. European Commission. DOI (English) 10.2777/95912 (Portuguese) 10.2777/850594

- David Maddox**. 2019. Ecosistemas para Todos. En: Guerrero Forero, E. (Ed.). Voces sobre Ciudades Sostenibles y resilientes. Ministerio de Ambiente y Desarrollo Sostenible, Bogotá. (*in Spanish*)
- David Maddox**, Curtis Walker, Malerie Lovejoy. 2019. A Flash of Silver Green: Stories of the Nature of Cities, Volume 1. Guelph: Publication Studios (fiction)
- Robert I. McDonald, Andressa V. Mansur, Fernando Ascensão, M’Lisa Colbert, Katie Crossman, Thomas Elmqvist, Andrew Gonzalez, Burak Güneralp, Dagmar Haase, Maike Hamann, Oliver Hillel, Kangning Huang, Belinda Kahnt, **David Maddox**, Andrea Pacheco, Henrique Pereira, Karen C. Seto, Rohan Simkin, Brenna Walsh, Alexandra S. Werner, and Carly Ziter. 2019. **Research gaps in knowledge of the impact of urban growth on biodiversity**. Nature Sustainability. <https://doi.org/10.1038/s41893-019-0436-6>
- Campbell, Lindsay K.; Svendsen, Erika; Sonti, Nancy Falxa; Hines, Sarah J.; **Maddox, David**. 2019. **Green readiness, response, and recovery: a collaborative synthesis**. Gen. Tech. Rep. NRS-18x. Newtown Square, PA: U.S. Department of Agriculture, Forest Service. <https://doi.org/10.2737/NRS-GTR-18x>.
- McDonald and 27 authors, including **David Maddox**. 2018. **Nature in the Urban Century: A global assessment of where and how to conserve nature for biodiversity and human wellbeing**. The Nature Conservancy.
- Thomas Elmqvist; Jose Siri; Erik Andersson; Pippin Anderson; Xuemei Bai; P.K. Das; Tatu Gatere; Andrew Gonzales; Julie Goodness; Steven N. Handel; Ellika Hermansson Török; Jessica Kavonic; Jakub Kronenberg; Elisabet Lindgren; **David Maddox**; Raymond Maher; Cheik Mbow; Timon McPhearson; Joe Mulligan; Guy Nordenson; Meggan Spires; Ulrika Stenkula; Kazuhiko Takeuchi; Coleen Vogel. 2018. “**Urban Tinkering**”. Sustainability Science. <https://link.springer.com/article/10.1007%2Fs11625-018-0611-0>
- David Maddox**. 2018. **Afterward—Towards a Collaborative Engagement**. IN *Civic Ecology: Broader Impacts*, Edited by Marianne E Krasny. Cornell University Press, Ithaca NY.
- Elmqvist, Thomas, Xuemei Bai, Niki Frantzeskaki, Corrie Griffith, **David Maddox**, Timon McPhearson, Susan Parnell, Patricia Romero-Lankao, David Simon, and Mark Watkins. 2018. **Urban Planet: Knowledge towards Sustainable Cities**. Cambridge: Cambridge University Press. doi:10.1017/9781316647554
- David Maddox**, Harini Nagendra, Thomas Elmqvist, and Alex Kudryavtsev. 2018. **Advancing Cities**. IN *Urban Environmental Education*. Edited by Marianne Krasny and Alex Kudryavtsev. Cornell University Press, Ithaca NY.
- David Maddox** 2015. **Cities in Imagination**. IN *The Just City Essays: 26 Visions for Urban Equity, Inclusion and Opportunity*. Toni Griffin, Toni, Ariella Cohen, and **David Maddox** (Editors). 2015. eBook and online publication, a collaboration of The Nature of Cities, NextCity, and the Max Bond Center for the Just City.
- Griffin, Toni, Ariella Cohen, and **David Maddox** (Editors). 2015. **The Just City Essays: 25 Visions for Urban Equity, Inclusion and Opportunity**. eBook and online publication, a collaboration of The Nature of Cities, NextCity, and the Max Bond Center for the Design of the Just City.
- McPhearson, Timon and **David Maddox** (Coordinating Lead Authors), with Bram Gunther and David Bragdon (Contributing Authors) 2013. **New York City Biodiversity, Green Space, and Ecosystem Services** IN *Cities Biodiversity Outlook: A Global Assessment of the Links between Urbanization, Biodiversity and Ecosystems*. Chapter 8.4 UN Convention of Biological Diversity.

- Chen H.Y., Zhu T., Krott, M., and **Maddox D.** 2012. **Community forestry Management and livelihood development: Integration of governance, project design and community participation.** Regional Environmental Change, DOI 417 10.1007/s10113-012-0316-3.
- Chen H.Y. Shivakoti P.G., Zhu T., **Maddox D.** 2012. **Livelihood Sustainability and Community Based Co-Management of Forest Resources in China: Changes and Improvement.** Environment Management 49: 219-228.
- Zhu Ting, Ganesh Shivakoti, Chen, Haiyun, and **David Maddox** 2012. **A survey-based evaluation of community-based co-management of forest resources and livelihood: a case study of Baishuijiang National Natural Reserve in China.** Environment, Development and Sustainability 14(2): 197-220.
- Maddox, G. David** (Editor & facilitator); Contributing Authors: Brian Aucoin, Martina Barnes, Lindsay Campbell, Lisa Hawkins, Dexter Locke, Morgan Monaco, Andrew Newman, Erika Svendsen and Daniella Zanin-Pereira 2010. Supporting Success: Making the Transition to Green Collar Jobs. Report from the Workshop. USDA Forest Service & NYC Parks & Recreation.
- Jacqueline W.T. Lu, Megan Shane, Erika Svendsen, Lindsay Campbell, Cristiana Fragola, Marianne Krasny, Gina Lovasi, **G. David Maddox**, Simon McDonnell, P. Timon McPhearson, Franco Montalto, Andrew Newman, Ellen Pehek, Ruth A. Rae, Richard Stedman, Keith G. Tidball, Lynne Westphal and Tom Whitlow 2009. MillionTreesNYC, Green Infrastructure, and Urban Ecology: Building a Research Agenda. 48pp.
- Maddox, G. David** and C. Wisnewski 2009. Measure Success. LandScope America. <http://www.landscape.org/>
- Maddox, G. David** and C. Wisnewski 2009. Adaptive Management. LandScope America. <http://www.landscape.org/>
- Maddox, G. David** and R.E. Unnasch 2008. Plan for Successful Conservation Projects. LandScope America. <http://www.landscape.org/>
- Maddox, G. David** and R.E. Unnasch 2007. Monitoring large biological landscapes using two-stage sampling. Manual to the U.S. Army Environmental Command, 135pp.
- Ottke, C., P. Kristensen, **G. David Maddox** and E. Rodenburg 2000. Monitoring for Impact: A Handbook on Natural Resources Monitoring based on Lessons from 13 NGOs, Volume 1. World Resources Institute, 90pp.
- Ottke, C., P. Kristensen, **G. David Maddox** and E. Rodenburg 2000. Monitoring for Impact: A Handbook on Natural Resources Monitoring based on Lessons from 13 NGOs, Volume 2. World Resources Institute, 70pp.
- Maddox, G. David**, K.E. Poiani and R.E. Unnasch 1999. Evaluating Management Success: using ecological models to ask the right monitoring questions. IN N. Johnson (Ed.) *The Ecological Stewardship Project: A common reference for Ecosystem Management (3 Volumes)* Elsevier Science: Oxford.
- Kress, W.J., **G. David Maddox** and S. Roesel 1993. Population genetics of the endangered semi-aquatic plant, *Ptilimnium nodosum*. Conservation Biology 22: 225-230.
- Morse, L.E., L.S. Kutner, **G. David Maddox**, L.L. Honey and C.M. Thurman 1993. The potential effects of climate change on the native vascular flora of North

America: A preliminary climate envelope analysis. Report to the Electric Power Research Institute, 90pp.

Bartgis, R.L. and **G. David Maddox** 1991. Designing and implementing a riverine preserve for the endangered plant *Ptilimnium nodosum*: Sideling Hill Creek as a case study. IN A.E. Schuyler (Ed.) Symposium on rare plants of Pennsylvania. Bartonia 57: 49-52.

**Maddox, G. David** 1991. Plants, populations, and ecosystems: Conservation of a rare plant in Maryland's Sideling Hill Creek watershed. Atlantic Naturalist 41: 25-29.

**Maddox, G. David** and R.L. Bartgis 1990 Harperella (*Ptilimnium nodosum*) recovery plan. US Fish and Wildlife Service, Newton, MA, 60pp.

**Maddox, G. David** and L.E. Morse 1990. Plant conservation and global climate change. The Nature Conservancy Magazine. July/August 1990.

**Maddox, G. David** and R.B. Root 1990. Structure of the encounter between goldenrod (*Solidago altissima*) and its diverse insect fauna. Ecology 71: 2115-2124.

Maddox, George L. and **G. David Maddox** 1989. The Complementarity of Psychological and Biomedical Research on AIDS. IN AIDS in an Aging Society: What we need to know. New York: Springer Publishing Company.

**Maddox, G. David** and R.B. Root 1987. Resistance to 16 diverse species of herbivorous insects within a population of *Solidago altissima*: Genetic variation and heritability. Oecologia 72: 8-14.

**Maddox, G. David**, R.E. Cook, P.H. Wimberger and S. Gardescu 1987. Clone structure in four *Solidago altissima* (Asteraceae) populations: Rhizome connections within genotypes. American Journal of Botany 76: 318-326.

**Maddox, G. David** and N. Cappuccino 1986. Genetic determination of plant susceptibility to an herbivorous herbivore depends on environmental context. Evolution 40: 863-866.

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P.F. Cannell and **G. David Maddox** 1983. Population change in three species of seabirds at Kent Island, New Brunswick. Journal of Field Ornithology 54: 29-35.

**Maddox, G. David** and J. Antonovics 1983. The ecological genetics of *Plantago*: Structural equation modeling and plant performance. Ecology 64: 1076-1094.

**Maddox, G. David** and P.F. Cannell 1982. The butterflies of Kent Island, Grand Manan, New Brunswick. Journal of the Lepidopterist Society 36: 264-268.

## MAJOR MUSICAL AND THEATRICAL WORKS AND COMMISSIONS

***The Invention of Murder*** (musical) *In development*. Book and Lyrics by Randi Barnes and David Maddox; Music by David Maddox. *Murder becomes show business*.

***Paradise*** (musical) *In development*. Commission from Signature Theatre, Arlington, VA; Lyrics Music & Book by David Maddox. *Six pilgrims seek the outside*.

***Perfume River: A Swamp Water Love Story*** (musical) Lyrics & Music by David Maddox & Jon Carroll, Book by David Maddox & Mary Hall Surface. *A New Orleans musical on the qualities of swamp water*.

**LIFT: Icarus and me** (musical) Commissioned by Theater of the First Amendment & the Clarice Smith Center for the Arts; Lyrics by David Maddox & Mary Hall Surface, Music by David Maddox; Book by Mary Hall Surface.

**The Odyssey of Telémaca** (musical) Commissioned by ChildsPlay, Tempe, AZ; Lyrics by David Maddox & Mary Hall Surface, Music by David Maddox; Book by Mary Hall Surface; inspired by Homer's *Odyssey*, set in late 19thC northern Mexico.

**Mississippi Pinocchio** (musical) Commissioned by Theatre of the First Amendment; Lyrics by Maddox & Surface, Music by Maddox, Book by Surface; adaptation of Collodi's *Pinocchio*, set in early 1900s Natchez, Miss. Published by Dramatic Publishing.

**Perseus Bayou** (musical) Commissioned by Theatre of the First Amendment; Lyrics by Maddox & Surface, Music by Maddox, Book by Surface; Adaptation of the Perseus myth, set in Cajun Louisiana. Published by Dramatic Publishing.

**Sing Down the Moon** (musical) Commissioned by Theatre of the First Amendment; Musical adaptation (with Surface) of six Appalachian folk tales. Published by Dramatic Publishing.

**Available Light** (play with music) Commissioned by Signature Theatre; score for a play with music (text by Heather McDonald); string quartet, boy soprano, English Horn.

**Gandhara: East West Passages** (modern dance/ballet) 1999 Kennedy Center commission, score to a ballet concerning Alexander the Great in Gandhara (now Pakistan); chamber orchestra, soprano, and sitar; 42 minutes.

**Journey to Taxila** (concerto) 1999 Music for string quintet, English Horn, and percussion; 14 minutes.

**The Nighingale** (dance-theater) Commissioned by The Kennedy Center, with extensive national touring (with writer Surface & choreographer Dana Tai Soon Burgess), score to dance theatre adaptation of Anderson's story; orchestra, Erhu, hammer dulcimer, voice, 52 minutes.

**Steak!** (musical comedy) Commissioned by Consenting Adults Theater Co. Music by David Maddox; Book & lyrics by Christi Stewart-Brown & Elizabeth Pringle. *Cattle-rustling vegetarians.*

## SOME OF WHAT THEY SAID

*"David Maddox has written a score replete with fanfares and flourishes that is most effective."* THE NEW YORK TIMES (on *Richard II*)

*"The show is magnificently dressed by David Maddox."*  
VARIETY (on *Nijinsky's Last Dance*)

*"'Perseus Bayou' is a triumph of atmosphere and theatrical imagination."*  
WASHINGTON POST

*"Pure magic."*  
WASHINGTON PARENT (on *Sing Down the Moon*)

*"The band (David Maddox & Dwayne Nitz) makes slick jokes both musical and physical, emerging from the pit now and again to swell the ranks of the soldiers."*  
THE CITY PAPER (on *A Man's a Man* at Arena Stage)

*“The production is a total disaster: the set, the acting, the direction, the lights, and what somebody thinks is music.”*

THE TUCSON CITIZEN (on *La Malinche* at the Arizona Theatre Company)