

Lou McNally, Ph.D.

4807 Hawaii Blvd.

Naples, FL 34112

Cell: (207) 831-7903, email: loumcnally@mac.com

**Professional Broadcast Meteorologist
Host**

Emmy Award Winning Program

**Expert Forecaster Educator
Experienced Manager/Consultant**

**Author Research Meteorologist
Narrator / Producer / Director / VO's**

Member, American Meteorological Society, Television Seal of Approval #260

President, Greater Boston Chapter, AMS, 1985-1989

Member, National Weather Association, Weathercaster Certification #002

Chair, Broadcast Committee, NWA, 1981-1982

National Councilor, NWA, 1983-1984

Member, Society of Professional Journalists, ΣΔΧ

Member, American Geophysical Union

Member, American Association for the Advancement of Science

Member, International Commission of Historical Meteorology

Member, International Association of Broadcast Meteorologists

Member, International Commission of Historical Climatology

Member, American Association of Geographers

Board Member, Kids Rock the Nation

Education

Ph.D., Interdisciplinary. University of Maine, Orono, Maine, 2004

Global Climate Change (Paleoclimatology, Quaternary)/Forensic Synoptic
Analysis/Historical Meteorology

Thesis:

The Weather of 1785: An Interdisciplinary Approach to Meteorological
Reconstruction Using Forensic Synoptic Analysis

M.S., Quaternary Studies, Univ. of Maine, Orono, Maine, 1994, Summa Cum Laude

Thesis:

Application of Forensic Synoptic Analysis Techniques for Extraction and
Reconstruction of Meteorological Information from a Non-Homogeneous
Qualitative Data Set

Post-Graduate Study, Iowa State University Graduate School of Journalism, 1981-1982

Creative Thinking, Theoretical Meteorology, Journalism Ethics

B.A., Lyndon State College, Lyndonville, Vermont, 1975
Magna Cum Laude, President's List, Triple Major

Theatre and Interpretive Arts

Acting, Directing, Playwriting, Experimental Theatre, Ensemble Techniques,
Stage and TV Movement, Lighting, Production Techniques, 60 Performances of 12 Roles

Media and Communications (with **A.A.**, Lyndon State College, 1974)

Television Production, Set Design, Special Effects, Studio Management and Design, Electronic Theory, Lighting, Audio and Video Techniques, Editing

Meteorology (with **A.S.**, Belknap College, 1973) Synoptic Analysis, Climatology, Weather Forecasting, Instrumentation, Aviation, Broadcast Techniques, Data Decoding, Radar Operation, Observational Procedures, Dynamics, Theory

RESEARCH INTERESTS

Development of Communications Methods (Radio, TV, Print, Lecture) for non-Scientists, Forensic Synoptic Analysis, Paleoclimatology, Identification and analysis of Historical Weather Sources, Extraction of Viable Meteorological Data from Non-Homogenous Datasets, Identification of Extreme Weather Events from Historical Sources (Historical Climatology), Application to Climate Forecasting and Risk Analysis

Business Experience / Management

President, L. K. McNally & Associates, Inc., Climatological Consultants, 1975-
President/CEO, Maine Products Catalog, LLC, d/b/a/LivingMaine.com, 1998-2005
Manager/Executive Producer, Pemaquid Productions, LLC, 2003-2004
Advisory Board Member, WDSC-TV, 2016

FORENSIC ANALYSIS / CONSULTING METEOROLOGY

Numerous examples of **accident, storm, and crime scene reconstruction** for clients in the legal and insurance, and reinsurance industries, for automotive, aviation, civil engineering and maritime venues.

Individual **ship and yacht routing**, international race forecasts, regatta support

Qualified as **Expert Witness**, Superior Court, Suffolk County, MA, Cumberland County, ME, and Cook County, IL

Expert Testimony for Federal Aviation Administration (FAA), United States Coast Guard (USCG), and National Transportation Safety Board (NTSB)

TEACHING / INSTRUCTION

Instructor, Operational Marine Meteorology, Points East Magazine Seminars
Instructor, Marine Meteorology, Uninstrumented Forecasting,
Hurricane Island Outward Bound
Instructor, Advanced Aviation Meteorology, **APS, Inc.**
Instructor, Aviation Weather, Everglades University
Lecturer, Contributing Author, Coastal and Marine Meteorology,
Maine Audubon Society
Lecturer, Meteorology, **University of Maine/Portland-Gorham**, (Now USM)
Lecturer, Broadcast Journalism, **Iowa State University**
Lecturer, Massachusetts Marine Educators Conference
Adjunct Instructor, Meteorology, **University of Lowell**, (Now UMASS)
Assistant Professor, Operational Meteorology, **Iowa State University**
Adjunct Graduate Faculty, WX Forecasting/Climatology/Climate Change, Graduate
Summer Program, **College of the Atlantic**, Bar Harbor, Maine,
Courses: Operational Weather Forecasting, Advanced Weather Forecasting,
Climatology, Climate Change (40+ Graduate Credits taught)
Associate Professor, Meteorology, **University of Maine at Machias**, (online), (current)
Research Assistant Professor, Climate Change Institute, **University of Maine**, Orono
Research Focus: Climate Change, Historical Meteorology, Forensic Synoptic
Analysis, Quantification of Ephemera-Based Anecdotal Meteorological Evidence
Adjunct Professor, Meteorology, **Vermont Technical College**, (hybrid), (current)
Assistant Professor, Applied Meteorology, **Embry-Riddle Aeronautical University**,
Courses: Survey of Meteorology, Climatology, Aviation Weather, Introduction to
Television Weathercasting, Advanced Weathercasting, Field Production and
Video Editing (300+ Credits taught), Master's Committee Member, (current)

COURSE DEVELOPMENT AND DESIGN

Learning Objectives, Outcomes, and Assessments

UNDERGRADUATE LEVEL (UMass Lowell) Introduction to Meteorology and
Climatology (**NEACS accredited**)

(ERAU) Introduction to Television Weathercasting, Advanced Television
Weathercasting Field Production and Video Editing, Survey of Meteorology (**SACS and
AABI accredited**)

(UMaine Machias) Introduction to Meteorology (online) (**NEACS accredited**)

GRADUATE LEVEL: (College of The Atlantic) Operational Meteorology I and II,
Climatology, Climate Change, Natural Weather Forecasting (**NEACS accredited**)
Vermont Technical College, Meteorology (**NEACS Accredited**)

NON-PROFIT/PRIVATE SECTOR:

Consultant, Curriculum Program, Lightship #112 Nantucket

Moderator/Producer, Interactive Broadcast, CREST Program, Me. Geol. Survey

Host/Narrator, Instructional Films, CREST Program, Me. Geol. Survey

BROADCAST / COMMUNICATIONS

Broadcast Meteorologist, Television

WGAN-TV Portland, Maine WLNE-TV Providence, Rhode Island
WOI-TV Ames, Iowa WBZ-TV, Boston, Massachusetts
WIVB-TV Buffalo, New York WMTW-TV, Portland, Maine
Maine Public Broadcasting Network MPBN

Broadcast Meteorologist, Radio

70 Stations, New England, Great Lakes, Gulf Coast, Midwest, and
Canadian Maritimes

Broadcast Journalism, Television

Severe Storm Coverage, Weekly Features, Environmental and Scientific
Reporting, Spot and Series, General Assignment, Remote, *The Winter of 1982*, Half-hour
Special

Co-Author, News 8 New England "First at Five", 1993-1995, "Six O'clock
News", 1998

Broadcast Journalism, Radio

Weekly Features, Enterprise, Expert Analysis, Breaking News, Talk and
Interview Formats,
Scriptwriter for *Weather Notebook*, international radio series on weather and
climate

Host, Producer, Executive Producer, Television

So You Think You Know Maine, (Talent, Producer) Weekly Entertainment,
WCBB-TV, Lewiston, Maine, 1987

Made In Maine, (Talent, Producer) Emmy Award Winning Weekly
Info/Location Series, Maine, 1988-2007 197 episodes

Color Commentary/Baseball, *Portland Sea Dogs*, WMTW-TV, 1994

RFD Maine, (Host/Moderator) Monthly Series, one-hour interview format,
Maine PBS, 1996-1997

Boating Today, (Host) Nationally syndicated boating show, 2000-2002

Inside Boating, (Host, Segment Producer) Weekly syndicated boating news
program, NESN, Comcast Cable, 2002

Let's Go Boating, (Exec. Producer, Host) Weekly syndication 2003, NESN (New
England), ESN (New York, Pennsylvania), FSN (Florida)

Reaching Higher, (Host) one-hour call-in/interview/magazine format, Maine
PBS, 2004

Starting A Business in Maine, (Host, Writer) 6-part one-hour call-in/interview
format MPBN, 2005

Treasure Hunt, (Co-producer, Talent) Locally syndicated reality series 2006-08

Creartivity, (Host) Half-hour magazine/call-in show, WDSC, 2014

Entral Florida On The Water, (Host) magazine/interview, WDSC 2015-2016

PUBLICATIONS - PEER REVIEWED

McNally, L. K., 2014, Focus on Aviation, original and edited chapter sections in *Understanding Weather and Climate*, 7th Edition, Aguado and Burt, Pearson Education, ISBN-10: 0321993683, ISBN-13: 9780321993687, 160pp.

McNally, L. K., 2014, Chapter Contributor, *Meteorological Analysis, Invention of Atmospheric Science*, In Press, ISBN TBA

McNally, L. K., 2014, Severe Weather Watches and Warnings: Why Do Some People Not Listen? *Proceedings of the American Association of Geographers Annual Meeting*, Tampa, Florida

McNally, L. K. III, 2013, Forensic Synoptic Analysis: An Interdisciplinary Methodology, 5th Atmospheric Circulation Reconstruction over Earth (ACRE) Workshop, Toulouse, France

Shiveley, Steven, Amber Macchia, Samara Clarke, and **L. K. McNally, 2012, Hurricane Irene Coverage: Research On A Deadline**, *BAMS*, American Meteorological Society, Boston, MA

McNally, L. K., Maasch, K., and K. Zuill, 2008, The Use of Ships' Protests for Reconstruction of Synoptic-Scale Weather and Tropical Storm Identification in the Late 18th Century, *Weather*, (Royal Meteorological Society) 63, pp. 208-213

McNally, L. K. III, 2007, Meteorological Reconstruction Using Forensic Synoptic Analysis, The Weather of 1785: A Case Study, Contributions to Science Series, No. 21, Climate Change Institute, University of Maine, Orono, ME

McNally, L. K., 2005, Reconstruction of Late 18th Century Upper-Air Circulation Using Forensic Synoptic Analysis, *History of Meteorology*, 2:105-122

McNally, L. K. III, 2004, Meteorological Analysis Using Forensic Synoptic Analysis, Unpublished Ph.D. Thesis, Folger Library, University of Maine, Orono, Maine

McNally, L.K., III and K.A. Maasch, 1997, Weather during the Little Ice Age, AGU spring meeting in Baltimore, MD, *Eos Trans. AGU*, 78.

McNally, L. K., 1994, Application of Forensic Synoptic Analysis Techniques for Extraction and Reconstruction of Meteorological Information from a Non-Homogenous Qualitative Data Set, Masters Thesis, Quaternary Studies Institute (now Climate Change Institute), University of Maine, Orono, Maine

PEDAGOGICAL CONTRIBUTIONS

McNally, L. K., 2012, **Instructor's Manual**, Understanding Weather and Climate, 6th Edition, Aguado and Burt, Pearson Education, ISBN-10: 0321773373, ISBN-13: 9780321773371, 150pp.

PUBLICATIONS, EDITOR

Accuracy Editor, Aguado and Burt, 2014, Understanding Weather and Climate, 7th Edition, Pearson Education, ISBN-10: 0321993683, ISBN-13: 9780321993687, 160pp.

McNally, L. K., and C.Rohr, 2005, *History of Meteorology*, Volume 2

McNally, L. K., and C.Rohr, 2005, **Diversity in the Global Reconstruction and Representation of Weather and Climate: East, South, West, North**
Editor, Papers from the 2005 Beijing International Congress of History of Science, *History of Meteorology*, 2:37-40

IN PREPARATION

McNally, L. K. 2018, **Forensic Synoptic Analysis: A Methodology for Meteorological and Historical Reconstruction**, in preparation

The Log of L'Herminoie, 2018, Summary of the Voyage from France to Boston and Castine, Maine, July 2015

MAGAZINE AND NEWSPAPER ARTICLES / OTHER PUBLICATIONS

Climate Change in Maine, 2011, *MOFGA News*, Unity, Maine

We Have Work To Do, Invited Op-Ed piece, *Daytona Beach News-Journal*, Daytona Beach, FL, USA, January, 2008

Daily weather column, *Portland Press Herald*, *Kennebec Journal*, *Waterville Sentinel*,
Weather Whys, weekly column, 100,000 circulation in local syndication
Member, *Daytona Beach News-Journal* Editorial Board for Climatology and Climate Change

Folklore Editor, National Weather Digest;

Numerous articles, Op-Eds for popular and professional Magazines, quarterlies, and newspapers;

BOOK REVIEWS

Lake Effect: Tales of Large Lakes, Arctic Winds, and Recurrent Snows. By Mark Monmonier. Syracuse, N.Y.: Syracuse University Press, 2012. Pp. xvi+246, accepted for publication in *Technology and Culture*, October/November Issue, **2014**

1816: The Year that Summer Never Came. by Mayra Donnell, Friesen Press, **2013**

The Atmosphere, Lutgens and Tarbuck, GEODE supplemental digital educational resource, Prentice Hall Publishers, **2009**

Civil War Weather in Virginia. by Robert Krick, University of Alabama Press, **2008**

“Past as Prologues: The Bay History Column”, Kent Mountford, Chesapeake Bay Journal, Hist147c.Thundersqall.XII-07, **2007**

CONTINUING EDUCATION

Short Courses

Center for Teaching and Learning Excellence, ERAU, short courses on assessment, engagement, inclusive learning, adaptive learning, flipped classroom, retention, learning styles, metacognition, self-directed learning

Webinars

-“Know-how shared: Easy ways to implement learning science in online course design”,
-“Preventing Plagiarism”, “Collaborative Assignments”, Chronicle of Higher Education
-“How to have constructive conversations with audiences that may doubt that humans are causing climate change” Climate Voices, Yale University

INTERVIEWS

Airlines International Magazine

Scientific American Magazine

WNDB Radio

Maine Public Radio

NPR Radio

WCEU/WDSC Television

WKMG Television

Flying Magazine

Maine Public Broadcasting Network

Weather Magazine

Bermuda Gazette

Daytona Beach News Journal

Portland (Maine) Press Herald

MOFGA News

WMFE Radio

WNZF Radio

PUBLICATIONS, PEER REVIEWER

Bernhardt, 2015, **Determining Regional Weather and Climate Patterns from a Historical Diary**, *Weather, Climate, and Society*, American Meteorological Society

Beilicci, Erika Beata Maria, Robert Florin Beilicci, Irina Alina Girbaci, Cristian Girbaci. 2013, **Rainfall-Runoff Modeling Using Advanced Hydroinformatic Tools**, 2nd International Conference, Natural Resource Management, Antalya, Turkey

Maalawi, Karam Y. and Mohamed I. El-Anwar, 2013, **A Model for Wind Turbine Blade with Enhanced Torsional Stability**, 3rd International Conference on Development, Energy, Environment and Economics, Paris, France

Thamwipat, Kuntida AND Rattana Oralerk, 2013, **The Study of Lifestyle and Using Social Network of the Teenagers in Behaviors the College**, International Conference on Communication and Management in Technological Innovation and Academic Globalization, Bangkok, Thailand

Sava, Cipriana, 2012, **Enduro-Tourism and its Effects on the Environment**, 7th IASME/WSEAS International Conference on Energy and Environment, Kos, Greece

Snow, R.K. and M. M. Snow, 2012, **Transitioning to a Renewable Energy Economy**, 7th IASME/WSEAS International Conference on Energy and Environment, Kos Island, Greece

Pechanec, Vilem, Jan Willem Jongepier, and Ivo Machar, 2012, **Processing Species Occurrence Records Supported by GIS on the Example of the White Carpathian Mts.**, 1st WSEAS International Conference on Agricultural Science, Biotechnology, Food and Animal Science (ABIFA '12), Ziln, Czech Republic

Nivolianitou, Z., and B. Synodinou, 2012, **Environmental management of big riverine floods: the case of Evros River in Greece**, 5th WSEAS International Conference on Natural Hazards (NAHA '12), Sliema, Malta

Oyedele, Olufemi Adedamola, 2012, **Climate Change and Nigeria Fragile Environment: Need for Building Resilience**, 5th WSEAS International Conference on Climate Changes, Global Warming, Biological Problems (CGB '12), Sliema, Malta
Climate Change, Textbook, Original mss., Chapters 1-6, JB Publishers, 2010

Jury and Garcia, 2009, **Synoptic Environment of Antilles Hurricanes**, *Journal of Applied Meteorology and Climatology*, American Meteorological Society

Ship's Logbooks in Climatological Research: Reflections and Prospects, *Annals of the New York Academy of Sciences*, 2008

PRESENTATIONS / INVITED SPEAKER

McNally, L. K., 2015, “Sailing and surviving in the weather of the 1780’s”, Castine Historical Society (Maine), in conjunction with Friends of L’Hermione (France)

McNally, L. K., 2015, “Disaster Planning for our 21st Century Weather”, Rutland (VT)/ Addison County MRC, Vermont Department of Health, Rutland, Vermont

McNally, L. K. and James R. Fleming, 2014, Anne Louise Beck: The Most Important Meteorologist You Never Heard Of, Science, Technology, and Society Department Presentation, Colby College, Waterville, Maine

McNally, L. K., The Media and the Madness: Is Rome Really Burning?, Keynote Address, 2014, 11th Annual Conference and Training, Institute for Disaster Mental Health, State University of New York, New Paltz

McNally, L. K., Critical Information: Whom to Believe and When, Workshop Leader, 2014, 11th Annual Conference and Training, Institute for Disaster Mental Health, State University of New York, New Paltz, NY

McNally, L. K. III, 2014, Broadcast Meteorology: Where Do We Go From Here? 39th Northeast Storm Conference, Rutland, VT

McNally, L. K. III, 2013, Whither the Weather, An analysis of Historical Climatology, Climate Change Institute, University of Maine, Orono, Maine

Shiveley, Steven, Amber Macchia, Samara Clarke, and **L. K. McNally, 2012, Hurricane Irene Coverage: Research On A Deadline,** (1) 2nd Florida Undergraduate Research Conference, Orlando, Florida, (2) 40th Broadcast Meteorology Conference, AMS, Boston

Weather Information from Diaries, 2006-Present, Numerous presentations to SAR and DAR Chapters, Lions Clubs, Rotary Clubs, Chambers of Commerce, Veterans and Businessman’s Organizations, Church groups, Mayflower Society Colonies, Genealogical Societies, Chapters of IEEE, XEP, SDX

The Weather of the American Revolution, 2006-Present, ibid.

McNally, L. K. III, 2005, Reconstruction of Late 18th Century Upper-air Circulation using Forensic Synoptic Analysis, *Diversity in the Global Reconstruction and Representation of Weather and Climate: East, South, West, North, Symposium of the International Commission on History of Meteorology, XXII International Congress of History of Science and Philosophy, Beijing, China*

PANELS

Founding of the Meteorology Department at Lyndon State College, 2013, Panel Discussant, Lyndonville, VT

Climate Change and Agriculture Workshop, 2011, Breakout Presentation and Plenary Panel Discussant, Maine Organic Farmers and Gardeners Association, Unity, Maine

AWARDS

Nominated for University Outstanding Teaching Award, ERAU, 2016

Outstanding Service Award, 2011, Applied Aviation Sciences Dept., ERAU

Emmy Awards, (3) Hosting/Interview, New England NATAS, 2000, '01, '05

Emmy Nominations, (19) New England NATAS, Host, Informational Series, 1992, '93(2), '95(3), '98(2), '00, Outstanding Individual Achievement, Weathercasting, 1997, Host, 1997(2), '98, '99, '00, '01, '03, '04, '05

Public Service Award, Western New York Arthritis Foundation

Maine State Easter Seals Chairman

Maine Sunday Telegram Readers' Poll Award, Best Local Television Show

Maine Times Readers' Poll Best Weathercaster

Best Weathercast, Maine Associated Press

Best Newscast, Maine Association of Broadcasters

Honorary Chairman, March of Dimes Walk America

ADDENDA

Chair of Session, First Conference on the Meteorology of Northern New England and the Maritimes

Co-Chairman, Environmental and Public Health Protection Subcommittee, Maine Health Systems Agency

Guest Speaker, Center for International Education, **University of Massachusetts**,

Instructor, Maine Guide Certification Course, **L. L. Bean Outdoors Program**

Commencement Speaker, Central Maine Technical College

Guest Lecturer for numerous civic groups, Industrial, Academic and Professional Organizations

Moderator, Maine Leadership Institute, Colby College

Additional Employment Experience

Lead Forecaster, **Bermuda Weather Service**, 2002, 2004-2006

Land Surveying, Various New England Locations, Crew Chief, LSIT Eligible

Producer/Director, 60-person Theatrical/Musical Company

Actor / Director / Playwright, 13 Roles, Musicals, Original Drama, Repertory Theatre

Musician/Arranger/Singer, Various Groups, Chorales, Solo, Madrigals, Originals

Draftsman, Architectural and Graphic Design, Site Plans, Subdivisions