

STAC Commissioner: R. Bruce Telfeyan

Bruce Telfeyan was born 10 September 1948 and spent his childhood years in Great Neck, New York. He graduated from Great Neck South High School in 1966 and entered the University of Kentucky that August. He majored in mathematics, completed the four-year Air Force ROTC program, earned his commission, and graduated with a BS in May 1970. He then entered graduate school in educational delay status, earning an MS in meteorology from Cornell University in August 1972. He began Air Force active duty in 1972 and spent his initial assignment of 7 years at Air Force Global Weather Central (AFGWC). Initially, he worked as a computer operations manager, but after a year, obtained an assignment into the weather forecasting division. For the next three years, he wrote centralized terminal forecasts for 103 locations across the U.S., issuing a total of nearly 30,000 individual weather predictions. Later, he advanced to become an assistant team chief, and eventually, as a team chief, he directed the efforts of 32 weather forecasters. He was then reassigned to the Air Force ROTC program and spent four years as an Assistant Professor of Aerospace Studies at the University of Nebraska at Omaha. His next destination was Air Command and Staff College, Maxwell AFB, Alabama. Subsequently, he served three years as the Weather Detachment Commander at Plattsburgh AFB, New York. In July 1987, he was reassigned to HQ Seventh Weather Wing, Scott AFB, Illinois, where he served as the Weather Liaison Officer to HQ Air Force Communications Command and then as the Wing Commander's on-scene representative in HQ Military Airlift Command. In August 1990, three weeks after the Iraqi occupation of Kuwait, he reported to Izmir, Turkey where he served as the Director of Meteorology and Oceanography for NATO's Sixth Allied Tactical Air Force. He was responsible for weather support to the Allied Command Europe Mobile Force deployment of Italian, Belgian, and German fighter squadrons into Turkey for defensive purposes during the Gulf War. Upon leaving Izmir, he headed to Wright-Patterson AFB, Ohio, and served as Deputy Directory of Weather for Air Force Materiel Command.



He retired from active duty as a Lt Col in 1993 and began working at AFGWC as a civil servant. Initially, he spent 19 months as a Chief Forecaster in the Meteorological Products Branch. He served as the Technology Exploitation Branch Chief for 10 years and directed the development of the Interactive Grid Analysis and Display System – IGrADS (<http://www.rbt48.com/weather/IGrADS/IGrADS>). He later worked as a meteorologist in AFGWC's--now the Air Force Weather Agency (AFWA) Requirements Branch. He is currently the chief of the Operational Requirements for the 557th Weather Wing.

A member of the American Meteorological Society (AMS) since 1970, he has been active in local AMS chapters in Omaha (where he served as president for two years), Dayton, and St. Louis. He chaired the AMS Weather Analysis and Forecast Committee from 2012 - 2014, chaired the AMS Board for Operational Government Meteorologists, and was a member of the AMS Local Chapter Affairs Committee and the AMS Board for Enterprise Planning. He served three year terms on the NWA Awards Committee and Membership and Marketing Committee. In October 2014, the AMS Council selected him

to serve as the incoming commissioner for the Scientific and Technological Activities Commission (STAC), a term that began in January 2015.

He served as the primary night shift meteorologist during Steve Fossett's three around-the-world balloon flight attempts in 1996, 1997, and 1998. He conducted critical analyses of northern hemisphere circulation patterns in preparations for these flights. He also performed precedent-setting work in developing techniques for avoiding unfriendly countries during Fossett's 1997 flight. Then, in Feb 2000, he was a meteorologist for Kevin Uliassi's around-the-world balloon attempt that went from Illinois to Burma. In addition to ACSC, he is a graduate of Air War College, Squadron Officer School, the Air Force Academic Instructor School, Introduction to Acquisition Management, and the NATO Officer Orientation Course. His military decorations include the Defense Meritorious Service Medal, the Meritorious Service Medal with three oak leaf clusters, the Air Force Commendation Medal, the Air Force Achievement Medal, and the Southwest Asia Campaign Medal. He is married to Connie, retired from 26 years of service as the Omaha Public Schools Risk/Safety Manager, and resides in Bellevue, Nebraska. His children are Brad, an attorney in Nashville, and Jennifer, a food consultant and leader in the Slow Food Movement. He has two grandsons, Henry and Gus, of Nashville, TN.

Publications and Presentations

2012: Co-chair, Scientific Program Committee, 25th WAF/21st NWP Conferences and 2012 CMOS Annual Meeting, June, Montreal, Canada

2009: Program Chair, 23rd WAF/19th NWP Conferences, June, Omaha, NE
- Welcoming Remarks, 23rd Conference on Weather Analysis and Forecasting/19th Conference on Numerical Weather Prediction, 1 June, Omaha, NE
<https://confex.webex.com/cmp0401/webcomponents/docshow/docshow.do?siteurl=confex&setuptatus=1>

2009: AMS Board on Enterprise Planning Annual Report;
<http://www2.ametsoc.org/cwce/index.cfm/committees/cwce-executive-committee/reports-to-council/cwce-report-to-the-ams-council-july-2009/>

2008: Organized, moderated Town Hall Meeting: Joining Researchers, Forecasters, and Users to Tackle Challenges in Tropical Cyclone Prediction (Joint session between BOGM, BPSM, and WAF), Jan 23, 2008, New Orleans, LA.

2007: Extended Abstract; Interactive Forecast Visualization Tools For The U.S. Armed Forces

2006: Stuart, Neil A., and Coauthors, 2006: The Future of Humans in an Increasingly Automated Forecast Process. *Bull. Amer. Meteor. Soc.*, **87**, 1497–1502.
doi: <http://dx.doi.org/10.1175/BAMS-87-11-1497>

2006: U.S. Air Force Graduate Research in Meteorology, Lee A. Byerle and R. B. Telfeyan, 15th Symposium on Education

2006: The Interactive Grid Analysis and Display System (IGrADS) for the U.S. Armed Forces; R. Bruce Telfeyan, Air Force Weather Agency, Offutt AFB, NE; and D. M.

Rozema and J. J. Wesely;

https://ams.confex.com/ams/Annual2005/techprogram/paper_83180.htm

2004: Poster presentation for the 50th Anniversary of Numerical Weather Prediction, The Interactive Grid Analysis and Display System (IGrADS) for the U.S. Armed Forces
R. Bruce Telfeyan, Air Force Weather Agency, Offutt AFB, NE; June 2004