

**IN THE UNITED STATES DISTRICT COURT
FOR THE NORTHERN DISTRICT OF ILLINOIS
EASTERN DIVISION**

DAN MCCONCHIE, in his official
capacity as Minority Leader of the
Illinois Senate and individually as a
registered voter, JIM DURKIN, in his
official capacity as Minority Leader of
the Illinois House of Representatives
and individually as a registered voter,
the REPUBLICAN CAUCUS OF THE
ILLINOIS SENATE, the REPUBLICAN
CAUCUS OF THE ILLINOIS HOUSE
OF REPRESENTATIVES, and the
ILLINOIS REPUBLICAN PARTY,

Plaintiffs,

vs.

CHARLES W. SCHOLZ, IAN K.
LINNABARY, WILLIAM M.
MCGUFFAGE, WILLIAM J. CADIGAN,
KATHERINE S. O'BRIEN, LAURA K.
DONAHUE, CASANDRA B. WATSON,
and WILLIAM R. HAINE, in their
official capacities as members of the
Illinois State Board of Elections,
EMANUEL CHRISTOPHER WELCH,
in his official capacity as Speaker of the
Illinois House of Representatives, the
OFFICE OF SPEAKER OF THE
ILLINOIS HOUSE OF
REPRESENTATIVES, DON HARMON,
in his official capacity as President of
the Illinois Senate, and the OFFICE OF
THE PRESIDENT OF THE ILLINOIS
SENATE,

Defendants.

Case No. 1:21-cv-03091

Circuit Judge Michael B. Brennan
Chief District Judge Jon E. DeGuilio
District Judge Robert M. Dow, Jr.

Three-Judge Court
Pursuant to 28 U.S.C. § 2284(a)

DEFENDANTS' ADDITIONAL STATEMENT OF MATERIAL FACTS

Pursuant to Fed. R. Civ. P. 56 and Local Rule 56(a)(3), Defendants Emanuel Christopher Welch, in his official capacity as Speaker of the Illinois House of Representatives, and the Office of the Speaker of the Illinois House of Representatives, and Don Harmon in his official capacity as President of the Illinois Senate, and the Office of the President of the Illinois Senate file the following statement of additional material facts as to which there does not exist a dispute in opposition of Plaintiffs' Motion for Summary Judgment:

1. Defendants expert, Dr. Allan J. Lichtman is a Distinguished Professor of History at American University in Washington D.C., has extensive publications and experience regarding legislative redistricting, and has testified at deposition or trial in numerous redistricting cases. Declaration attached as Ex. A., ¶ 1-7.

2. Dr. Lichtman testified before the General Assembly's Joint Committee on Redistricting on May 25, 2021, and provided a comparison he ran on the 2005-2009 ACS population county by County with the 2010 Census results. *Id.* ¶ 9

3. Dr. Lichtman stated the best available data prior to the June 30, 2021 constitutional deadline was the ACS 2015-2019 data. *Id.* ¶8.

4. Dr. Lichtman also states Illinois has been a model for the nation in minority representation in the General Assembly. Under the plan passed by the General Assembly in 2011, the percentage of minority members is about equal to the minority percentage of the state's citizen voting age population, compared to a wide gap for the nation overall. *Id.* ¶ 10.

5. Dr. Lichtman state the June plan maintains or even strengthens minority opportunity districts. *Id.*

6. Defendants' expert Dr. Christopher S. Fowler is an Associate Professor of Geography and Demography at Pennsylvania State University where he has worked and taught since 2012. His research expertise is centered on uncertainty associated with the use of small geographic units, especially Census geographies. Declaration attached as Ex. B, ¶ 1.

7. Based on his analysis, the ACS 2015-2019 5-year estimates were the best available data for the production of legislative districts prior to the Census Bureau's August 12, 2021 release of the official 2021 census data. *Id.* ¶ 6.

8. The ACS 2015-2019 5-year estimates were the best available data to use for redistricting prior to the June 30, 2021 Illinois Constitution's deadline. See *supra*, ¶¶ 3, 7.

Dated: September 10, 2021

Respectfully submitted,
/s/Adam R. Vaught

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*Counsel for Defendants Harmon, and
Office of the President*

CERTIFICATE OF SERVICE

I hereby certify that on September 10, 2021, I electronically filed the above Defendants Welch, Office of the Speaker, Harmon, Office of the President of the Illinois Senate's Rule 56.1 Statement of Additional Material Facts, with the Clerk of the Court using the CM/ECF system which will send notification of such filing(s) to all counsel of record.

By: /s/Adam R. Vaught

EXHIBIT A

IN THE UNITED STATES DISTRICT COURT
FOR THE NORTHERN DISTRICT OF ILLINOIS
EASTERN DIVISION

JULIE CONTRERAS, IRVIN FUENTES,)
ABRAHAM MARTINEZ, IRENE PADILLA,)
and ROSE TORRES,)

Plaintiffs,)

v.)

Case No. 1:21-cv-3139

ILLINOIS STATE BOARD OF ELECTIONS,)
CHARLES W. SCHOLZ, IAN K.)
LINNABARY, WILLIAM M. MCGUFFAGE,)
WILLIAM J. CADIGAN, KATHERINE S.)
O'BRIEN, LAURA K. DONAHUE,)
CASANDRA B. WATSON, and WILLIAM)
R. HAINE, in their official capacities as)
members of the Illinois State Board of)
Elections, EMANUEL CHRISTOPHER)
WELCH, in his official capacity as Speaker)
of the Illinois House of Representatives, the)
OFFICE OF SPEAKER OF THE ILLINOIS)
HOUSE OF REPRESENTATIVES, DON)
HARMON, in his official capacity as)
President of the Illinois Senate, and the)
OFFICE OF THE PRESIDENT OF THE)
ILLINOIS SENATE,)

Circuit Judge Michael B. Brennan
Chief Judge Jon E. DeGuilio
Judge Robert M. Dow, Jr.

Three – Judge Court
Pursuant to 28 U.S.C. § 2284(a)

Defendants.)

DECLARATION OF ALLAN J. LICHTMAN

1. I am a Distinguished Professor of History at American University in Washington, D.C., where I have been employed for 48 years. Formerly, I served as Chair of the History Department and Associate Dean of the College of Arts and Sciences at

American University. I received my BA in History from Brandeis University in 1967 and my Ph.D. in History from Harvard University in 1973, with a specialty in American political history and the mathematical analysis of historical data.

2. I am the author of numerous scholarly works on quantitative methodology in social science. This scholarship includes articles in such academic journals as *Political Methodology*, *Journal of Interdisciplinary History*, *Proceedings of the National Academy of Sciences of the United States of America*, *Foresight: The International Journal of Applied Forecasting*, *Social Science History*, and *Harvard Data Science Review*. I have also authored articles on quantitative methodology in the *Encyclopedia of Social Measurement*, the *Encyclopedia of Complexity and Systems Science*, and the *Proceedings of the International Symposium on Conceptual Tools For Understanding Nature*. In addition, I have co-authored *Ecological Inference* with Dr. Laura Langbein, a standard text on the quantitative analysis of social science data, including political information.

3. I have published articles on the application of social science analysis to voting rights issues. This work includes articles in journals such as the *Journal of Law and Politics*, *La Raza Law Journal*, *Evaluation Review*, *Journal of Legal Studies*, and *National Law Journal*. My scholarship also includes the use of quantitative and qualitative methods to conduct Contemporary and historical studies, published in academic journals such as *Proceedings of the National Academy of Sciences*, *American Historical Review*, *International*

Journal of Forecasting, International Journal of Information Systems & Social Change, and Journal of Social History.

4. I have worked as a consultant or expert witness for both plaintiffs and defendants, Democrats and Republicans, in more some 100 voting and redistricting cases. My work includes cases for the United States Department of Justice and many civil rights organizations, including MALDEF, NAACP, LDF, the League of Women Voters, the Southern Poverty Law Center, and the Lawyers' Committee for Civil Rights Under Law. I have also worked as a consultant or expert witness numerous times for state and local jurisdictions.

5. My work also includes several voting rights and redistricting cases in the state of Illinois, for both plaintiffs and defendants. In the 1980s, I was retained by plaintiffs in *Harper v. City of Chicago Heights* and *McNeil v. City of Springfield*. In the 1990s, I was retained by defendants in successful defense of the Hispanic opportunity congressional district in Illinois, *King v. Board of Elections*. In the 2000s I was retained by state defendants in the successful defense of the of 2001 state legislative redistricting plan, *Campuzano v. Illinois State Board of Elections*. In the 2010's, I was retained by state defendants in their successful defense of the state congressional redistricting plan, *Committee for a Fair and Balanced Map, et al. v. Illinois State Board of Elections*, and the state legislative redistricting plan, *Radogno, et al. v. Illinois State Board of Elections*. I was also

retained by defendant Mike Madigan in the successful defense of a challenge to his State House election in 2016, *Jason Gonzales v. Michael J. Madigan*.

6. The United States Supreme Court has also credited my quantitative methodology. In Texas's landmark congressional redistricting case, *League of United Latin American Citizens v. Perry*, 548 U.S. 399 (2006), the majority opinion authoritatively cited my statistical work in invalidating Congressional District 23 for violating the Voting Rights Act. Citing my quantitative findings, the court ruled that the district failed to provide adequate opportunities for Hispanics to elect candidates of their choice.

7. A copy of my CV is attached as Appendix A.

8. In the unprecedented absence of the usual timely redistricting data from the U.S. Bureau of the Census, the Illinois General Assembly, following my recommendation, relied on the best available data. This data comes from the most recent five-year American Community Survey (ACS), from 2015 to 2019. Consistent with about half the states, Illinois does not require by statute or the state constitution that legislative redistricting must be based on the decennial Census; rather, the state has the option to use alternative sources of data.

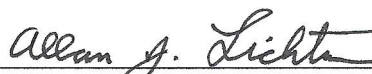
9. As I testified before the General Assembly's Joint Committee on Redistricting (May 25, 2021) a comparison of the 2000-2009 ACS population counts by county with the 2010 Census results illustrates the reasonableness of using ACS data in lieu of the

Census results. The median county deviation was 1.8%, the mean deviation was 2.3%, and 88% of counties had deviations below 4%. The only county with a deviation over 9 percent was Kendall County, an outlier as the fastest growing county in the nation from 2000 to 2010.

10. The enacted plan maintains substantial opportunities for minority voters to elect candidates of their choice. Illinois has been a model for the nation in minority representation in the General Assembly. The percentage of minority members is about equal to the minority percentage of the state's citizen voting age population, compared to a wide gap for the nation overall. The enacted plan maintains or even strengthens minority opportunity districts.

Executed on September 10, 2021 at Bethesda, Maryland.

I declare under penalty of perjury that the foregoing is true and correct.



Allan J. Lichtman

APPENDIX 1
CV

Curriculum Vitae

Allan J. Lichtman
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EDUCATION

BA, Brandeis University, Phi Beta Kappa, Magna Cum Laude, 1967

PhD, Harvard University, Graduate Prize Fellow, 1973

PROFESSIONAL EXPERIENCE

Teaching Fellow, American History, Harvard University, 1969-73

Instructor, Brandeis University, 1970, quantitative history.

Assistant Professor of History, American University, 1973-1977

Associate Professor of History, American University, 1977-1978

Professor of History, American University, 1979 –

Distinguished Professor, 2011 -

Expert witness in more than 90 redistricting, voting rights and civil rights cases

Associate Dean for Faculty and Curricular Development, College of Arts & Sciences, The American University 1985-1987

Chair, Department of History, American University, 1997- 2001

Regular political analyst for CNN Headline News, 2003-2006

HONORS AND AWARDS

Outstanding Teacher, College of Arts and Sciences, 1975-76

Outstanding Scholar, College of Arts and Sciences, 1978-79

Outstanding Scholar, The American University, 1982-83

Outstanding Scholar/Teacher, The American University, 1992-93 (Highest University faculty award)

Sherman Fairchild Distinguished Visiting Scholar, California Institute of Technology, 1980-81

American University summer research grant, 1978 & 1982

Chamber of Commerce, Outstanding Young Men of America 1979-80

Graduate Student Council, American University, Faculty Award, 1982

Top Speaker Award, National Convention of the International Platform Association, 1983, 1984, 1987

National Age Group Champion (30-34) 3000-meter steeplechase 1979

Eastern Region Age Group Champion (30-34) 1500-meter run 1979

Defeated twenty opponents on the nationally syndicated quiz show, TIC TAC DOUGH, 1981

Listing in Marquis, WHO'S WHO IN THE AMERICA AND WHO'S WHO IN THE WORLD

McDonnell Foundation, Prediction of Complex Systems (\$50,000, three years), 2003-2005

Organization of American Historians, Distinguished Lecturer, 2004 -

Selected by the Teaching Company as one of America's Super Star Teachers."

Associate Editor, International Journal of Operations Research and Information Systems, 2008 -

Keynote Speaker, International Forecasting Summit, 2007 and 2008

Cited authoritatively by United States Supreme Court in statewide Texas Congressional redistricting case *LULAC v. Perry* (2006)

Interviews nominated by the Associated Press for the Edward R. Murrow Award for broadcasting excellence.

WHITE PROTESTANT NATION: THE RISE OF THE AMERICAN CONSERVATIVE MOVEMENT: Finalist for the 2008 National Book Critics Circle Award in general nonfiction.

Elected Member, PEN American Center, 2009

Appointed Distinguished Professor, 2011

FDR AND THE JEWS: Designated for Belknap Imprint of the Harvard University Press, reserved for works of special distinction and lasting value; *New York Times* editors' choice book for 2013, submitted for Pulitzer Prize 2013, winner of Tikkun Olam Award for Holocaust Studies, winner of National Jewish Book Award in American Jewish Studies, finalist for Los Angeles Times Book Award in History.

THE CASE FOR IMPEACHMENT: Independent bookstore bestseller, Amazon.com bestseller in several academic categories, *Newsweek*, best new book releases, April 18, 2017.

Winner of the Alfred Nelson Marquis Lifetime Achievement Award for top 5% of persons included in Marquis WHO'S WHO, 2018.

Listed by rise.global as # 85 among 100 most influential geopolitical experts in the world.

SCHOLARSHIP

A. Books

PREJUDICE AND THE OLD POLITICS: THE PRESIDENTIAL ELECTION OF 1928 (Chapel Hill: University of North Carolina Press, 1979)

PREJUDICE AND THE OLD POLITICS: THE PRESIDENTIAL ELECTION OF 1928 (Lanham, MD: Lexington Books, 2000), reprint of 1979 edition with new introduction.

HISTORIANS AND THE LIVING PAST: THE THEORY AND PRACTICE OF HISTORICAL STUDY (Arlington Heights, Ill.: Harlan Davidson, Inc., 1978, with Valerie French)

ECOLOGICAL INFERENCE (Sage Series in Quantitative Applications in the Social Sciences, 1978, with Laura Irwin Langbein)

YOUR FAMILY HISTORY: HOW TO USE ORAL HISTORY, PERSONAL FAMILY ARCHIVES, AND PUBLIC DOCUMENTS TO DISCOVER YOUR HERITAGE (New York: Random House, 1978)

KIN AND COMMUNITIES: FAMILIES IN AMERICA (edited, Washington, D. C.: Smithsonian Press, 1979, with Joan Challinor)

THE THIRTEEN KEYS TO THE PRESIDENCY (Lanham: Madison Books, 1990, with Ken DeCell)

THE KEYS TO THE WHITE HOUSE, 1996 EDITION (Lanham: Madison Books, 1996)

THE KEYS TO THE WHITE HOUSE, (Lanham: Lexington Books Edition, 2000)

THE KEYS TO THE WHITE HOUSE, POST-2004 EDITION (Lanham: Lexington Books Edition, 2005)

THE KEYS TO THE WHITE HOUSE, 2008 EDITION (Lanham: Rowman & Littlefield, 2008)

WHITE PROTESTANT NATION: THE RISE OF THE AMERICAN CONSERVATIVE MOVEMENT (New York: Grove/Atlantic Press, 2008)

THE KEYS TO THE WHITE HOUSE, 2012 EDITION (2012, Lanham: Rowman & Littlefield)

FDR AND THE JEWS, (Cambridge: Harvard University Press, Belknap Imprint, 2013, with Richard Breitman).

THE KEYS TO THE WHITE HOUSE, 2016 EDITION (Lanham: Rowman & Littlefield)

THE CASE FOR IMPEACHMENT (HarperCollins, April 2017, updated paperback January 2018)

THE EMBATTLED VOTE IN AMERICA: FROM THE FOUNDING TO THE PRESENT (Harvard University Press, 2018)

REPEAL THE SECOND AMENDMENT: THE CASE FOR A SAFER AMERICA (St. Martin's Press, 2020)

THE KEYS TO THE WHITE HOUSE, 2020 EDITION (Lanham: Rowman & Littlefield, 2020)

THIRTEEN CRACKS: CLOSING DEMOCRACIES LOOPHOLES ((Lanham: Rowman & Littlefield, forthcoming, fall 2021)

Monographs:

“Report on the Implications for Minority Voter Opportunities if Corrected census Data Had Been Used for the Post-1990 Redistricting: States With The Largest Numerical Undercount,” UNITED STATES CENSUS MONITORING BOARD, January 2001

“Report on the Racial Impact of the Rejection of Ballots Cast in the 2000 Presidential Election in the State of Florida,” and “Supplemental Report,” in VOTING IRREGULARITIES IN FLORIDA DURING THE 2000 PRESIDENTIAL ELECTION, United States Commission on Civil Rights, June 2001

B. Scholarly Articles

"The Federal Assault Against Voting Discrimination in the Deep South, 1957-1967," JOURNAL OF NEGRO HISTORY (Oct. 1969) REF

"Executive Enforcement of Voting Rights, 1957-60," in Terrence Goggin and John Seidel, eds., POLITICS AMERICAN STYLE (1971)

"Correlation, Regression, and the Ecological Fallacy: A Critique," JOURNAL OF INTERDISCIPLINARY HISTORY (Winter 1974) REF

"Critical Election Theory and the Reality of American Presidential Politics, 1916-1940," AMERICAN HISTORICAL REVIEW (April 1976) REF

"Across the Great Divide: Inferring Individual Behavior From Aggregate Data," POLITICAL METHODOLOGY (with Laura Irwin, Fall 1976) REF

"Regression vs. Homogeneous Units: A Specification Analysis," SOCIAL SCIENCE HISTORY (Winter 1978) REF

"Language Games, Social Science, and Public Policy: The Case of the Family," in Harold Wallach, ed., APPROACHES TO CHILD AND FAMILY POLICY (Washington, D. C.: American Association for the Advancement of Science, 1981)

"Pattern Recognition Applied to Presidential Elections in the United States, 1860-1980: The Role of Integral Social, Economic, and Political Traits," PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCE (with V. I. Keilis-Borok, November 1981) REF

"The End of Realignment Theory? Toward a New Research Program for American Political History," HISTORICAL METHODS (Fall 1982)

"Kinship and Family in American History," in National Council for Social Studies Bulletin, UNITED STATES HISTORY IN THE 1980s (1982)

"Modeling the Past: The Specification of Functional Form," JOURNAL OF INTERDISCIPLINARY HISTORY (with Ivy Broder, Winter 1983) REF

"Political Realignment and 'Ethnocultural' Voting in Late Nineteenth Century America," JOURNAL OF SOCIAL HISTORY (March 1983) REF

"The 'New Political History: 'Some Statistical Questions Answered," SOCIAL SCIENCE HISTORY (with J. Morgan Kousser, August 1983) REF

"Personal Family History: A Bridge to the Past," PROLOGUE (Spring 1984)

"Geography as Destiny," REVIEWS IN AMERICAN HISTORY (September 1985)

"Civil Rights Law: High Court Decision on Voting Act Helps to Remove Minority Barriers," NATIONAL LAW JOURNAL (with Gerald Hebert, November 10, 1986).

"Tommy The Cork: The Secret World of Washington's First Modern Lobbyist," WASHINGTON MONTHLY (February 1987).

"Discriminatory Election Systems and the Political Cohesion Doctrine," NATIONAL LAW JOURNAL (with Gerald Hebert, Oct. 5, 1987)

"Aggregate-Level Analysis of American Midterm Senatorial Election Results, 1974-1986," PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES (Dec. 1989, with Volodia Keilis-Borok) REF

"Black/White Voter Registration Disparities in Mississippi: Legal and Methodological Issues in Challenging Bureau of Census Data," JOURNAL OF LAW AND POLITICS (Spring, 1991, with Samuel Issacharoff) REF

"Adjusting Census Data for Reapportionment: The Independent Role of the States," NATIONAL BLACK LAW JOURNAL (1991)

"Passing the Test: Ecological Regression in the Los Angeles County Case and Beyond," EVALUATION REVIEW (December 1991) REF

Understanding and Prediction of Large Unstable Systems in the Absence of Basic Equations," PROCEEDINGS OF THE INTERNATIONAL SYMPOSIUM ON CONCEPTUAL TOOLS FOR UNDERSTANDING NATURE (with V. I. Keilis-Borok, Trieste, Italy, 1991).

"The Self-Organization of American Society in Presidential and Senatorial Elections," in Yu. Krautsov, ed., THE LIMITS OF PREDICTABILITY (with V.I. Keilis-Borok, Nauka, Moscow, 1992).

"'They Endured:' The Democratic Party in the 1920s," in Ira Foreman, ed., DEMOCRATS AND THE AMERICAN IDEA: A BICENTENNIAL APPRAISAL (1992).

"A General Theory of Vote Dilution," LA RAZA (with Gerald Hebert) 6 (1993). REF

"Adjusting Census Data for Reapportionment: The Independent Role of the States," JOURNAL OF LITIGATION (December 1993, with Samuel Issacharoff)

"The Keys to the White House: Who Will be the Next American President?" SOCIAL EDUCATION 60 (1996)

"The Rise of Big Government: Not As Simple As It Seems," *REVIEWS IN AMERICAN HISTORY* 26 (1998)

"The Keys to Election 2000," *SOCIAL EDUCATION* (Nov/Dec. 1999)

"The Keys to the White House 2000," *NATIONAL FORUM* (Winter 2000)

"What Really Happened in Florida's 2000 Presidential Election," *JOURNAL OF LEGAL STUDIES* (January 2003) REF

"The Keys to Election 2004," *SOCIAL EDUCATION* (January 2004)

"History: Social Science Applications," *ENCYCLOPEDIA OF SOCIAL MEASUREMENT* (Elsevier, 2006)

"The Keys to the White House: Forecast for 2008," SPECIAL FEATURE, *FORESIGHT: THE INTERNATIONAL JOURNAL OF APPLIED FORECASTING* 3 (February 2006), 5-9 with response: J. Scott Armstrong and Alfred G. Cuzan, "Index Methods for Forecasting: An Application to the American Presidential Elections."

"The Keys to the White House: Updated Forecast for 2008," *FORESIGHT: THE INTERNATIONAL JOURNAL OF APPLIED FORECASTING* 7 (Fall 2007)

"The Keys to the White House: Prediction for 2008," *SOCIAL EDUCATION* (January 2008)

"The Keys to the White House: An Index Forecast for 2008," *INTERNATIONAL JOURNAL OF FORECASTING* 4 (April-June 2008) REF

"The Updated Version of the Keys," *SOCIAL EDUCATION* (October 2008)

"Extreme Events in Socio-Economic and Political Complex Systems, Predictability of," *ENCYCLOPEDIA OF COMPLEXITY AND SYSTEMS SCIENCE* (Springer, 2009, with Vladimir Keilis-Borok & Alexandre Soloviev)

"The Keys to the White House: A Preliminary Forecast for 2012" *INTERNATIONAL JOURNAL OF INFORMATION SYSTEMS & SOCIAL CHANGE* (Jan.-March 2010) REF

"The Keys to the White House: Forecast for 2012," *FORESIGHT: THE INTERNATIONAL JOURNAL OF APPLIED FORECASTING* (Summer 2010)

"The Keys to the White House: Prediction for 2012," *SOCIAL EDUCATION* (March 2012)

"The Keys to the White House: Prediction for 2016," *SOCIAL EDUCATION* (February 2016)

“The Keys to the White House,” SOCIAL EDUCATION (October 2016)

“The Keys to the White House: Forecast for 2016,” WORLD FINANCIAL REVIEW (January-February 2016)

“Barack Obama” in James M. Banner, Jr., ed., PRESIDENTIAL MISCONDUCT: FROM GEORGE WASHINGTON TO TODAY (New Press, 2019)

“The 2020 Presidential Election: How the Keys Are Pointing,” SOCIAL EDUCATION, Jan./Feb. 2020.

“The Keys to the White House: Forecast for 2020,” HARVARD DATA SCIENCE REVIEW (Oct. 2020) REF

"The Alternative-Justification Affirmative: A New Case Form," JOURNAL OF THE AMERICAN FORENSIC ASSOCIATION (with Charles Garvin and Jerome Corsi, Fall 1973) REF

"The Alternative-Justification Case Revisited: A Critique of Goodnight, Balthrop and Parsons, 'The Substance of Inherency,'" JOURNAL OF THE AMERICAN FORENSIC ASSOCIATION (with Jerome Corsi, Spring 1975) REF

"A General Theory of the Counterplan," JOURNAL OF THE AMERICAN FORENSIC ASSOCIATION (with Daniel Rohrer, Fall 1975) REF

"The Logic of Policy Dispute," JOURNAL OF THE AMERICAN FORENSIC ASSOCIATION (with Daniel Rohrer, Spring 1980) REF

"Policy Dispute and Paradigm Evaluation," JOURNAL OF THE AMERICAN FORENSIC ASSOCIATION (with Daniel Rohrer, Fall 1982) REF

"New Paradigms For Academic Debate," JOURNAL OF THE AMERICAN FORENSIC ASSOCIATION (Fall 1985) REF

"Competing Models of the Debate Process," JOURNAL OF THE AMERICAN FORENSIC ASSOCIATION (Winter 1986) REF

"The Role of the Criteria Case in the Conceptual Framework of Academic Debate," in Donald Terry, ed., MODERN DEBATE CASE TECHNIQUES (with Daniel Rohrer, 1970)

"Decision Rules for Policy Debate," and "Debate as a Comparison of Policy Systems," in Robert 2, ed., THE NEW DEBATE: READINGS IN CONTEMPORARY DEBATE THEORY (with Daniel Rohrer, 1975)

"A Systems Approach to Presumption and Burden of Proof;" "The Role of Empirical Evidence in Debate;" and "A General Theory of the Counterplan," in David Thomas, ed., ADVANCED DEBATE: READINGS IN THEORY, PRACTICE, AND TEACHING (with Daniel Rohrer, 1975)

"Decision Rules in Policy Debate;" "The Debate Resolution;" "Affirmative Case Approaches;" "A General Theory of the Counterplan;" "The Role of Empirical Evidence in Debate;" and "Policy Systems Analysis in Debate," in David Thomas, ed., ADVANCED DEBATE (revised edition, with Daniel Rohrer and Jerome Corsi, 1979)

C. Selected Popular Articles

"Presidency By The Book," POLITICS TODAY (November 1979) Reprinted: LOS ANGELES TIMES

"The Grand Old Ploys," NEW YORK TIMES
Op Ed (July 18, 1980)

"The New Prohibitionism," THE CHRISTIAN CENTURY (October 29, 1980)

"Which Party Really Wants to 'Get Government Off Our Backs'?" CHRISTIAN SCIENCE MONITOR Opinion Page (December 2, 1980)

"Do Americans Really Want 'Coolidge Prosperity' Again?" CHRISTIAN SCIENCE MONITOR Opinion Page (August 19, 1981)

"Chipping Away at Civil Rights," CHRISTIAN SCIENCE MONITOR Opinion Page (February 17, 1982)

"How to Bet in 1984. A Presidential Election Guide," WASHINGTONIAN MAGAZINE (April 1982) Reprinted: THE CHICAGO TRIBUNE

"The Mirage of Efficiency," CHRISTIAN SCIENCE MONITOR Opinion Page (October 6, 1982)

"For RIFs, It Should Be RIP," LOS ANGELES TIMES Opinion Page (January 25, 1983)

"The Patronage Monster, Con't." WASHINGTON POST Free For All Page (March 16, 1983)

"A Strong Rights Unit," NEW YORK TIMES Op Ed Page (June 19, 1983)

"Abusing the Public Till," LOS ANGELES TIMES Opinion Page (July 26, 1983)

The First Gender Gap," CHRISTIAN SCIENCE MONITOR Opinion Page (August 16, 1983)

"Is Reagan A Sure Thing?" FT. LAUDERDALE NEWS Outlook Section (February 5, 1984)

"The Keys to the American Presidency: Predicting the Next Election," TALENT (Summer 1984)

"GOP: Winning the Political Battle for '88," CHRISTIAN SCIENCE MONITOR, Opinion Page, (December 27, 1984)

"The Return of 'Benign Neglect'," WASHINGTON POST, Free For All, (May 25, 1985)

"Selma Revisited: A Quiet Revolution," CHRISTIAN SCIENCE MONITOR, Opinion Page, (April 1, 1986)

"Democrats Take Over the Senate" THE WASHINGTONIAN (November 1986; article by Ken DeCell on Lichtman's advance predictions that the Democrats would recapture the Senate in 1986)

"Welcome War?" THE BALTIMORE EVENING SUN, Opinion Page, (July 15, 1987)

"How to Bet in 1988," WASHINGTONIAN (May 1988; advance prediction of George Bush's 1988 victory)

"President Bill?" WASHINGTONIAN (October 1992; advance prediction of Bill Clinton's 1992 victory)

"Don't be Talked Out of Boldness," CHRISTIAN SCIENCE MONITOR, Opinion Page (with Jesse Jackson, November 9, 1992)

"Defending the Second Reconstruction," CHRISTIAN SCIENCE MONITOR, Opinion Page (April 8, 1994)

"Quotas Aren't The Issue," NEW YORK TIMES, Op Ed Page (December 7, 1994)

"History According to Newt," WASHINGTON MONTHLY (May 1995)

"A Ballot on Democracy," WASHINGTON POST Op Ed (November 1, 1998)

"The Theory of Counting Heads vs. One, Two, Three," CHRISTIAN SCIENCE MONITOR Op Ed (June 22, 1999)

"Race Was Big Factor in Ballot Rejection, BALTIMORE SUN Op Ed (March 5, 2002)

"Why is George Bush President?" NATIONAL CATHOLIC REPORTER (Dec. 19, 2003)

“In Plain Sight: With the Public Distracted, George W. Bush is Building a Big Government of the Right,” *NEWSDAY*, (August 7, 2005)

“Why Obama is Colorblind and McCain is Ageless,” *JEWISH DAILY FORWARD* (June 26, 2008)

“Splintered Conservatives McCain,” *POLITICO* (June 24, 2008)

“Will Obama be a Smith or a Kennedy,” *NATIONAL CATHOLIC REPORTER* (October 17, 2008)

“What Obama Should Do Now,” *POLITICO* (Jan. 22, 2010)

“Why Democrats Need Hillary Clinton in 2016,” *THE HILL*, June 11, 2014

“How Corporations Buy Our Government,” *THE HILL*, July 1, 2014

“Who Rules America,” *THE HILL*, August 12, 2014

“The End of Civil Discourse?” *THE HILL*, September 10, 2014

“Pass the Ache Act and Stop Destroying Appalachia?” *THE HILL*, October 28, 2014

“Democrats Have No One to Blame But Themselves,” *THE HILL*, November 7, 2014

“Donald Trump’s Best Friend: Bernie Sanders,” *THE HILL* March 10, 2016

“Trump Had One Thing Right About Abortion,” *THE HILL*, April 1, 2016

“What is so Progressive About Sanders’ Old-Fashioned Protectionism,” April 7, 2016

“Sanders is Only Helping Trump by Staying in Race,” *THE HILL*, June 30, 2016

“7 Pieces of Advice for Hillary Clinton,” *THE HILL*, July 25, 2016

“Donald Trump’s Call For Russia To Hack Hillary Clinton’s Email Is A New Low For American Politics — And Maybe A Crime,” *NEW YORK DAILY NEWS*, July 27, 2016

“Here’s the Big Speech Clinton Needs to Make,” *THE HILL*, September 9, 2016

“The Real Story Behind Trump’s Tax Returns,” *THE HILL*, October 3, 2016

“Trump is Establishment No Matter What He Says,” *THE HILL*, October 12, 2016

“Trump Brings the Big Lie About Voter Fraud,” *THE HILL*, October 19, 2016

“How a New Clinton Presidency Will Change American Politics Forever,” THE HILL, October 22, 2016

“The Media is Rigging the Election by Reporting WikiLeaks Emails,” THE HILL, October 26, 2016

“Why James Comey Must Resign Now,” THE HILL, November 3, 2016

“Why Trump is Vulnerable to Impeachment,” USA TODAY, April 18, 2017

“Donald Trump Meet the Real Andrew Jackson,” THE HILL, May 5, 2017

“Why Does Trump’s Voter Fraud Commission Really Wants Your Personal Voter Information,” THE HILL, August 3, 2017

“Trump is a Lot Closer to Being Impeached, TIME.COM, November 2, 2017

“American Democracy Could be at Risk in the 2018 Elections,” VICE December 20, 2017

“We are One Tantrum Away From Accidental War With North Korea,” THE HILL, January 25, 2018

“Democrats Can’t Survive on Anti-Trumpism Alone,” TIME.COM, January 28, 2018

“Don’t Expect the Mueller Investigation to End Anytime Soon,” VICE March 21, 2018

“President Trump Faces Political Disaster if he Tries to Fire Mueller,” THE HILL April 5, 2018

“Framers Fail: Voting is a Basic Right But They Didn’t Guarantee it in the Constitution,” USA TODAY, September 26, 2018

Suppressing Voting Rights is as Old as the Republic, But the Tactics Change,” ZOCALO, October 8, 2018

“Voter Fraud Isn’t a Problem in America. Low Turnout Is,” WASHINGTON POST, Made for History, October 22, 2018

“Here are five ways a Democratic US House might try to impeach Donald Trump,” LONDON SCHOOL OF ECONOMICS, US CENTRE, October 26, 2018.

“The Midterm Results Will Reveal What Drives Voters: A Love or Hate of Trump,” THE GUARDIAN, November 5, 2018

“Unless Democrats Find a 2020 Candidate Like Beto O’Rourke, Trump May Well Be Set to Win” THE DAILY CALLER, November 7, 2018

“Why Nancy Pelosi Should be the Next Speaker, FORTUNE, November 27, 2018

“It’s Well Past Time to Restructure the U.S. Senate,” DAILY CALLER, December 4, 2018

“The Seven Crucial Takeaways From William Barr’s Confirmation Hearings,” SPECTATOR USA, January 16, 2019

“Did Democrats Forfeit, 2020” THE HILL March 14, 2019

“Barr’s ‘Summary’ Of The Mueller Report Hardly Vindicates Trump,” DAILY CALLER, March 25, 2019

“Collusion and Obstruction by Trump remain Open Questions after Attorney General’s ‘Summary’ of the Mueller Report,” ARTSFORUM, March 26, 2019

“21 Questions for Robert Mueller,” THE HILL, April 24, 2019

With U.S. Representative Al Green, “Congress Has a Duty to go Through With the Impeachment and Trial of Donald Trump,” THE HILL, May 17, 2019

“If Democrats Want to Beat Trump, They Need to Take off the Gloves in the Primary,” GQ, June 26, 2019

“Why Impeachment Of William Sulzer Is Solid Precedent For Donald Trump,” THE HILL, September 9, 2019

“Not Futile To Impeach,” NY DAILY NEWS, September 25, 2019

“Why Impeachment Favors Democrats In The Election,” THE HILL, September 28, 2019

“If Trump is Impeached, Pence Should Go Too,” TPM, October 7, 2019

“Time to Stop Talking ‘Quid Pro Quo,’ and Start Looking at Actual Crimes,” THE HILL, November 13, 2019

“Of all the Presidential Impeachment Inquiries, This is the One That Transcends Politics the Most,” POLITICO, November 16, 2019

“Bill Barr’s Dangerous Celebration of Unchecked Presidential Power, NEW YORK DAILY NEWS, November 25, 2019

“What Trump Really Wanted From Ukraine Was Not About Enemies,” THE HILL, November 25, 2019

“Pelosi, Schiff Should Take More Time If They Want A Successful Impeachment Effort,” DAILY CALLER, November 29, 2019

“It’s Our Political System, Not Impeachment, That Is Broken. And Only Politics Can Fix It,” POLITICO, December 6, 2019

“The 2010s Were the Decade That Brought Democracy to the Breaking Point,” TPM, December 23, 2019

“Will Roberts Call Balls and Strikes at the Impeachment Trial,” THE HILL, December 30, 2019

“The Bill Clinton Trial Cannot Serve as the Model for the Donald Trump Trial,” THE HILL, January 8, 2020

“What Law Did Donald Trump Break?” THE HILL, January 23, 2020

“The Flawed Case of Alan Dershowitz,” THE HILL, January 30, 2020

“What Will the History Books Say About This Impeachment,” POLITICO, February 5, 2020

“Why Bernie Sanders is Electable,” THE HILL, February 24, 2020

“The Ugly History of Trump’s Looting/Shooting Threat,” NEW YORK DAILY NEWS, May 29, 2020

“What Joe Biden Must do Now,” THE HILL, June 10, 2020

“Bad Economies do not Threaten Lives,” (with Sam Lichtman), THE HILL, July 6, 2020

“He Predicted Trump’s Win in 2016: Now He’s Ready to Call 2020,” NEW YORK TIMES VIDEO, August 5, 2020

“Time to Jettison Horse Race Polls,” THE HILL, November 19, 2020

“Here is the Smoking Gun Evidence to Back Impeachment of Donald Trump,” THE HILL, February 8, 2021.

“There’s No Constitutional Question: The Senate Can Try Trump,” NEW YORK DAILY NEWS, February 8, 2021

Bi-weekly column, THE MONTGOMERY JOURNAL, GAZETTE 1990 - 2013
Election-year column, REUTERS NEWS SERVICE 1996 & 2000

Contributor: THE HILL, 2014-present

D. Video Publication

“Great American Presidents,” The Teaching Company, 2000.

TEACHING

Ongoing Courses

The History of the U. S. I & II, The Emergence of Modern America, The U. S. in the Twentieth Century, United States Economic History, Historiography, Major Seminar in History, Graduate Research Seminar, Colloquium in U. S. History Since 1865, The American Dream, The Urban-Technological Era, Senior Seminar in American Studies, Seminar in Human Communication.

New Courses: Taught for the first time at The American University

Quantification in History, Women in Twentieth Century American Politics, Women in Twentieth Century America, Historians and the Living Past (a course designed to introduce students to the excitement and relevance of historical study), Historians and the Living Past for Honors Students, How to Think: Critical Analysis in the Social Sciences, Pivotal Years of American Politics, Government and the Citizen (Honors Program), Introduction to Historical Quantification, Public Policy in U. S. History, Honors Seminar in U.S. Presidential Elections, America’s Presidential Elections, What Is America?, Honors Seminar on FDR, Jews, and the Holocaust.

TELEVISION APPEARANCES

More than 1,000 instances of political commentary on NBC, CBS, ABC, CNN, C-SPAN, FOX, MSNBC, BBC, CBC, CTV, NPR, VOA, and numerous other broadcasting outlets internationally, including Japanese, Russian, Chinese, German, French, Irish, Austrian, Australian, Russian, Swedish, Danish, Dutch, and Middle Eastern television.

Regular political commentary for NBC News Nightside.

Regular political commentary for Voice of America and USIA.

Regular political commentary for America’s Talking Cable Network.

Regular political commentary for the Canadian Broadcasting System.

Regular political commentary for CNN, Headline News

Consultant and on-air commentator for NBC special productions video project on the history of the American presidency.

CBS New Consultant, 1998 and 1999

Featured appearances on several History Channel specials including *The Nuclear Football* and *The President's Book of Secrets*.

RADIO SHOWS

I have participated in many thousands of radio interview and talk shows broadcast nationwide, in foreign nations, and in cities such as Washington, D. C., New York, Atlanta, Chicago, Los Angeles and Detroit. My appearances include the Voice of America, National Public Radio, and well as all major commercial radio networks.

PRESS CITATIONS

I have been cited many hundreds of times on public affairs in the leading newspapers and magazines worldwide. These include, among many others,

New York Times, Washington Post, USA Today, Los Angeles Times, Wall Street Journal, Miami Herald, Washington Times, St. Louis Post Dispatch, Christian Science Monitor, Philadelphia Inquirer, Time, Newsweek, Business Week, Le Monde, Globe and Mail, Yomuiiri Shimbun, Die Welt, El Mundo, and South China Post, among others.

SELECTED CONFERENCES, PRESENTATIONS, & LECTURES: UNITED STATES

Invited participant and speaker, Bostick Conference on Fogel and Engerman's TIME ON THE CROSS, University of South Carolina, November 1-2, 1974

"Critical Election Theory and the Presidential Election of 1928," Annual Meeting of the American Historical Association, December 1974

"A Psychological Model of American Nativism," Bloomberg State Historical Conference, April 1975

"Methodology for Aggregating Data in Education Research," National Institute of Education, Symposium on Methodology, July 1975, with Laura Irwin

Featured Speaker, The Joint Washington State Bicentennial Conference on Family History, October 1975

Featured Speaker, The Santa Barbara Conference on Family History, May 1976

Chair, The Smithsonian Institution and the American University Conference on Techniques for Studying Historical and Contemporary Families, June 1976

Panel Chair, Sixth International Smithsonian Symposium on Kin and Communities in America, June 1977

"The uses of History for Policy Analysis," invited lecture, Federal Interagency Panel on Early Childhood Research, October 1977

Invited participant, Conference on "Child Development within the Family - Evolving New Research Approaches," Interagency Panel of the Federal Government for Research and Development on Adolescence, June 1978

Commentator on papers in argumentation, Annual Meeting of the Speech Communication Association, November 1978

Commentator on papers on family policy, Annual Meeting of the American Association for the Advancement of Science, Jan. 1979

"Phenomenology, History, and Social Science," Graduate Colloquium of the Department of Philosophy," The American University, March 1979

"Comparing Tests for Aggregation Bias: Party Realignment of the 1930's," Annual Meeting of the Midwest Political Science Association March 1979, with Laura Irwin Langbein

"Party Loyalty and Progressive Politics: Quantitative Analysis of the Vote for President in 1912," Annual Meeting of the Organization of American Historians, April 1979, with Jack Lord II

"Policy Systems Debate: A Reaffirmation," Annual Meeting of the Speech Communication Association, November 1979

"Personal Family History: Toward a Unified Approach," Invited Paper, World Conference on Records, Salt Lake City, August 1980

"Crisis at the Archives: The Acquisition, Preservation, and Dissemination of Public Documents," Annual Meeting of the Speech Communication Association, November 1980

"Recruitment, Conversion, and Political Realignment in America: 1888- 1940," Social Science Seminar, California Institute of Technology, April 1980

"Toward a Situational Logic of American Presidential Elections," Annual Meeting of the Speech Communication Association, November 1981

"Political Realignment in American History," Annual Meeting of the Social Science History Association, October 1981

"Critical Elections in Historical Perspective: the 1890s and the 1930s," Annual Meeting of the Social Science History Association, November 1982

Commentator for Papers on the use of Census data for historical research, Annual Meeting of the Organization of American Historians, April 1983

"Thirteen Keys to the Presidency: How to Predict the Next Election," Featured Presentation, Annual Conference of the International Platform Association, August 1983, Received a Top Speaker Award

"Paradigms for Academic Debate," Annual Meeting of the Speech Communication Association, November 1983

Local Arrangements Chair, Annual Convention of the Social Science History Association, October 1983

"Forecasting the Next Election," Featured Speaker, Annual Convention of the American Feed Manufacturers Association, May 1984

Featured Speaker, "The Ferraro Nomination," Annual Convention of The International Platform Association, August 1984, Top Speaker Award

"Forecasting the 1984 Election," Annual Convention of the Social Science History Association Oct. 1984,

Featured Speaker, "The Keys to the Presidency," Meeting of Women in Government Relations October 1984

Featured Speaker, "The Presidential Election of 1988," Convention of the American Association of Political Consultants, December 1986

Featured Speaker, "The Presidential Election of 1988," Convention of the Senior Executive Service of the United States, July 1987

Commentary on Papers on Voting Rights, Annual Meeting of the American Political Science Association, September 1987.

Commentary on Papers on Ecological Inference, Annual Meeting of the Social Science History Association, November 1987.

Featured Speaker: "Expert Witnesses in Federal Voting Rights Cases," National Conference on Voting Rights, November 1987.

Featured Speaker: "The Quantitative Analysis of Electoral Data," NAACP National Conference on Voting Rights and School Desegregation, July 1988.

Panel Chair, "Quantitative Analysis of the New Deal Realignment," Annual Meeting of the Social Science History Association, Nov. 1989.

Keynote Speaker, Convocation of Lake Forest College, Nov. 1989.

Featured Speaker, The American University-Smithsonian Institution Conference on the Voting Rights Act, April 1990

Panel Speaker, Voting Rights Conference of the Lawyer's Committee for Civil Rights Under Law, April 1990

Panel Speaker, Voting Rights Conference of the NAACP, July 1990

Panel Speaker, Voting Rights Conference of Stetson University, April 1991

Panel Chair, Annual Meeting of the Organization of American Historians, April 1992

Panel Speaker, Symposium on "Lessons from 200 Years of Democratic Party History, Center for National Policy, May 1992

Olin Memorial Lecture, U.S. Naval Academy, October 1992

Commentator, Annual Meeting of the Organization of American Historians, April 1993

Panel presentation, Conference on Indian Law, National Bar Association, April 1993

Feature Presentation, Black Political Science Association, Norfolk State University, June 1993

Feature Presentation, Southern Regional Council Conference, Atlanta Georgia, November 1994

Master of Ceremonies and Speaker, State of the County Brunch, Montgomery County, February 1996

Feature Presentation, Predicting The Next Presidential Election, Freedom's Foundation Seminar on the American Presidency, August 1996

Feature Presentation, Predicting The Next Presidential Election, Salisbury State College, October 1996

Feature Presentation on the Keys to the White House, Dirksen Center, Peoria, Illinois, August 2000

Feature Presentation on American Political History, Regional Conference of the Organization of American Historians, August 2000

Testimony Presented Before the United States Commission on Civil Rights Regarding Voting Systems and Voting Rights, January 2001

Testimony Presented Before the United States House of Representatives, Judiciary Committee, Subcommittee on the Constitution, February 2001

Testimony Presented Before the United States Senate, Government Operations Committee, Regarding Racial Differentials in Ballot Rejection Rates in the Florida Presidential Election, June 2001

Testimony Presented Before the Texas State Senate Redistricting Committee, Congressional Redistricting, July 2003

Testimony Presented Before the Texas State House Redistricting Committee, Congressional Redistricting, July 2003

American University Honors Program Tea Talk on the Election, September 2004

Feature Presentation, The Keys to the White House, International Symposium on Forecasting, June 2006.

Feature Presentation, The Keys to the White House, International Symposium on Forecasting, New York, June 2007.

Keynote Speaker, Hubert Humphrey Fellows, Arlington, Virginia, 2007-2013

Feature Presentation, Forecasting 2008, Annual Meeting of the American Political Science Association, Chicago, August 2007

Keynote Speaker, International Forecasting Summit, Orlando, Florida, February 2008.

Feature Presentation on the Keys to the White House, Senior Executive's Service, Washington, DC, June 2008

Feature Presentation, American Political History, Rockford Illinois School District, July 2008

American University Honors Program Tea Talk on the Election, September 2008

Featured Lecture, Keys to the White House, American Association for the Advancement of Science, Washington, DC, September 2008

Keynote Speaker, International Forecasting Summit, Boston, September 2008

Keynote Lecture, Hubert Humphrey Fellows, Arlington, Virginia October 2008

Featured Lectures, Keys to the White, Oklahoma Central and East Central Universities, October 2008

Bishop C. C. McCabe Lecture, "Seven Days until Tomorrow" American University, October 28, 2008

Featured Lecture, WHITE PROTESTANT NATION, Eisenhower Institute, December 2008

American University Faculty on the Road Lecture, "Election 2008: What Happened and Why?" Boston, February 2009

Critic Meets Author Session on WHITE PROTESTANT NATION, Social Science History Association, November 2009

American University Faculty on the Road Lecture, "The Keys for 2012" Chicago, April 2010

Keynote Speaker, Hubert Humphrey Fellows, Arlington, Virginia, October 2010, 2011

Panel Participant, Search for Common Ground, Washington, DC, April 2011

Presentation, The Keys to the White House, International Symposium on Forecasting, June 2012

Panel Presenter, Classical Forecasting Models, Annual Conference of the American Political Science Association, Virtual, September 2020

SELECTED CONFERENCES, PRESENTATIONS, & LECTURES: INTERNATIONAL

Featured Speaker, World Conference on Disarmament, Moscow, Russia, November 1986

Delegation Head, Delegation of Washington Area Scholars to Taiwan, Presented Paper on the promotion of democracy based on the American experience, July 1993

Lecture Series, American History, Doshisha University, Kyoto, Japan, December 2000

Lectures and Political Consultation, Nairobi, Kenya, for RFK Memorial Institute, October 2002

Featured Lectures, US Department of State, Scotland and England, including Oxford University, University of Edinburg, and Chatham House, June 2004

Keynote Speech, American University in Cairo, October 2004

Feature Presentation on the Keys to the White House, University of Munich, June 2008

Featured Lectures, US Department of State, Russia, Ukraine, Slovenia, Austria, and Romania, 2008-2010

Paper Presentation, Fourth International Conference on Interdisciplinary Social Science, Athens, Greece, July 2009

Featured Lectures, US Department of State, India, Korea, and Belgium 2012

Panel Speaker, Economic Forum, Krynica, Poland, 2013

DEPARTMENTAL AND UNIVERSITY SERVICE

Department of History Council 1973 -

Undergraduate Committee, Department of History 1973-1977

Chair Undergraduate Committee, Department of History 1984-1985

Graduate Committee, Department of History, 1978-1984

Freshman Advisor, 1973-1979

First Year Module in Human Communications, 1977-1979

University Committee on Fellowships and Awards 1976-1978

University Senate 1978-1979, 1984-1985

University Senate Parliamentarian and Executive Board 1978-1979

Founding Director, American University Honors Program, 1977-1979

Chair, College of Arts and Sciences Budget Committee 1977-1978, 1982-1984

University Grievance Committee, 1984-1985

Member, University Honors Committee 1981-1982

College of Arts and Sciences Curriculum Committee 1981-1982

Jewish Studies Advisory Board, 1982-1984

Mellon Grant Executive Board, College of Arts & Sciences, 1982-1983

Chair, College of Arts and Sciences Faculty Colloquium, 1983

Chair, College of Arts and Sciences Task Force on the Department of Performing Arts, 1984-1985

Local Arrangements Chair, National Convention of the Social Science History Association, 1983

Chair, Rank & Tenure Committee of the Department of History, 1981-1982, 1984-1985

Board Member, Center for Congressional and Presidential Studies, The American University, 1988-1989

Chair, Graduate Committee, Department of History, 1989 - 1991

Chair, Distinguished Professor Search Committee 1991

Member, College of Arts & Sciences Associate Dean Search Committee, 1991

Board Member, The American University Press, 1991-1995

Chair, Subcommittee on Demographic Change, The American University Committee on Middle States Accreditation Review 1992-1994

Member, Dean's Committee on Curriculum Change, College of Arts and Sciences 1992-1993

Member, Dean's Committee on Teaching, College of Arts and Sciences 1992

Co-Chair, Department of History Graduate Committee, 1994-1995

Vice-Chair, College of Arts & Sciences Educational Policy Committee, 1994-1995

Elected Member, University Provost Search Committee, 1995-1996

Chair, Search Committee for British and European Historian, Department of History, 1996

Department Chair, 1999-2001

CAS Research Committee, 2006-2007

University Budget and Benefits Committee, 2008

Chair, Personnel Committee, Department of History, 2010-11, 2012-13

Chair, Term Faculty Search Committee, Department of History, 2011

OTHER POSITIONS

Director of Forensics, Brandeis University, 1968-71

Director of Forensics, Harvard University, 1971-72

Chair, New York-New England Debate Committee, 1970-71

Historical consultant to the Kin and Communities Program of the Smithsonian Institution
1974-1979

Along with general advisory duties, this position has involved the following activities:

1. directing a national conference on techniques for studying historical and contemporary families held at the Smithsonian in June 1976.
2. chairing a public session at the Smithsonian on how to do the history of one's own family.
3. helping to direct the Sixth International Smithsonian Symposium on Kin and Communities in America (June 1977).
4. editing the volume of essays from the symposium.

Consultant to John Anderson campaign for president, 1980.

I researched and wrote a study on "Restrictive Ballot Laws and Third-Force Presidential Candidates." This document was a major component of Anderson's legal arguments against restrictive ballot laws that ultimately prevailed in the Supreme Court (Anderson v. Celebrezze 1983). According to Anderson's attorney: "the basis for the majority's decision echoes the themes you incorporated in your original historical piece we filed in the District Court."

Statistical Consultant to the George Washington University Program of Policy Studies in Science and Technology, 1983

I advised researchers at the Policy Studies Program on the application of pattern recognition techniques to their work on the recovery of communities from the effects of such natural disasters as earthquakes and floods.

Consultant to the New York City Charter Revision Commission, 2000-2006

I analyzed the implications of non-partisan elections for voting rights issues for the Charter Revision Commissions appointed by mayors Rudy Giuliani and Michael Bloomberg.

**APPENDIX 2
CASES SINCE 2015**

City of South Miami v. DeSantis (U.S. District Court for the Southern District of Florida), 2020

Bruni v. Hughs (U.S. District Court for the Southern District of Texas), 2020

NAACP v. Cooper (U.S. District Court for the Middle District of North Carolina), 2019

Holloway v. City of Virginia Beach (U.S. District Court for the Eastern District of Virginia), 2019

Jason Gonzales v. Michael J. Madigan (U.S. District Court for the Northern District of Illinois), 2019

Anne Harding v. County of Dallas, (U.S. District Court for the Northern District of Texas), 2018

Pico Neighborhood Association v. Santa Monica (State Superior Court, California), 2018

Benisek v. Lamone (U.S. District Court, Maryland), 2017

Arizona Democratic Party v. Reagan (U.S. District Court, Arizona), 2017

Perez v. Abbott (U.S. District Court for the Western District of Texas), 2017

Terrebonne Parish NAACP v. Jindal (U.S. District Court for the Middle District of Louisiana), 2017

Feldman v. Arizona Secretary of State (U.S. District Court for the District of Arizona), 2016, 2017

Covington v. North Carolina (U. S. District Court Middle District of North Carolina) 2016

One Wisconsin Institute v. Nichols (United States District Court for the Western District of Wisconsin) 2016

Lee v. Virginia State Board of Elections (United States District Court for the Eastern District of Virginia) 2016

League of Women Voters v. Detzner, (Circuit Court for the Second Judicial Circuit, Leon County) 2015

North Carolina State Conference of the NAACP v. McCrory (U. S. District Court Middle District of North Carolina) 2015

EXHIBIT B

DECLARATION OF CHRISTOPHER S. FOWLER

1. I am Associate Professor of Geography and Demography at Pennsylvania State University where I have worked and taught since 2012. My research expertise is centered on uncertainty associated with the use of small geographic units, especially Census geographies. I have attached a C.V. as Appendix A that lists numerous publications, presentations, and professional service commitments related to the appropriate use of geographic data.

2. I prepared a report that responds to the request by counsel for defendants in the cases *McConchie et al. vs. Illinois State Board of Elections* and *Contreras et al. vs. Illinois State Board of Elections* to assess the validity of the data and methods utilized in the drawing of State Legislative and Representative Districts as passed into law under Public Act 102-0010 as the General Assembly Redistricting Act of 2021.

3. My analysis of the passed plans for State Legislature and State Senate was based on three sets of files contributed by defendants' geospatial contractor:

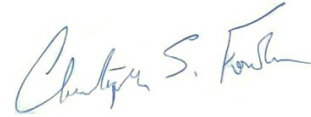
- a. *ILblocks_final.xlsx* a spreadsheet giving the population counts from the ACS 2015-2019vsample interpolated to 2020 tabulation vintage block geographies, the data used to draw the maps passed in PA 102-0010.
- b. *HB 2777 (PA 102-0010) .dbf,.prj,.shp,.shx* a series of files collectively known as a 'shapefile' documenting the districts delineated in the passed State House boundaries bill.

- c. *PA 102-0010 Senate Plan .dbf,.prj,.sbn,.shp,.shx,.sbx* a series of files a series of files collectively known as a 'shapefile' documenting the districts delineated in the passed State Senate boundaries bill.
4. My analysis of the above data was conducted using the open-source statistical computing software R. My report is written in RMarkdown for complete transparency so every step of my analysis can be exactly replicated given the three defendant-provided files named above.
5. My analysis relies initially on my own expertise as an expert on the use of ACS data for small area population analysis. Subsequently I compare the files provided by defendants' contractor to data released by the ACS and find that the contractor's methodology produced high-quality block level data given the source.
6. My findings are the ACS 2015-2019 5-year estimates were the best available data for the production of legislative districts prior to the Census Bureau's August 12, 2021 release of the official 2021 census data. The ACS is performed by the Census Bureau. It is based on a 2% rolling sample of the U.S. population and it is designed to provide the most accurate population data possible between decennial censuses. In May 2021, 10 full years after the 2010 decennial census was conducted, the ACS was unquestionably the most reliable data source available for estimating population at the small scales necessary for drawing a valid redistricting map. Furthermore, the ACS is already employed regularly in redistricting efforts as its counts by citizen voting age population ("CVAP")

are a crucial component for assessing compliance with the Voting Rights Act ("VRA"). For all intents and purposes there was no data available in May 2021 that would have offered comparable quality and detail to the data employed by the defendants.

Executed on September 10, 2021 at State College, PA

I declare under penalty of perjury that the foregoing is true and correct.

A handwritten signature in blue ink, reading "Christopher S. Fowler". The signature is written in a cursive style with a large initial "C".

Christopher S. Fowler

June, 2021

Christopher S. Fowler, PhD.

Associate Professor of Geography and Demography
Associate, Population Research Institute
Director, Gould Center for Geography Education and Outreach
Curriculum Vitae

814.863.1782 | csfowler@psu.edu | 321 Walker Bldg. Penn State. University Park, PA 16802

Education:

PhD. University of Washington (2007).
Geography Dissertation: "From lived experience to economic models: a mixed methods analysis of competitive policies in Gioia Tauro and Genoa, Italy" Named "Best Dissertation" and "Runner Up Best Dissertation" from, respectively, the Economic Geography and Transportation Geography Specialty Groups of the Association of American Geographers.

M.A. University of Washington (2003).
Geography Awarded Ullman Prize for Best Thesis

A.B. Dartmouth College (1997).
Geography *cum laude* and highest departmental honors. Awarded Marsh Prize for Outstanding Thesis

Recent Positions:

July 2018-present Associate Professor, Department of Geography, Faculty in Demography, The Pennsylvania State University

Aug. 2019-May 2020 Visiting Faculty, Department of Human Geography, Stockholm, University. Stockholm, Sweden

August 2012-May 2018 Assistant Professor, Department of Geography, Faculty in Demography, The Pennsylvania State University.

Jan. 2010-Sept. 2011 Postdoctoral Fellow in Applied Spatial Statistics, Center for Studies in Demography and Ecology, University of Washington

Dec. 2008-Dec. 2009 Postdoctoral Research Associate in Poverty Research, Community Vitality Project, Evans School of Public Affairs, University of Washington.

Refereed Publications: († indicates co-author is a supervised graduate student)

Folch, David, **Christopher Fowler** and Levon Mikaelian (2021) "Day Time, Night Time, Over Time: Geographic and Temporal Uncertainty When Linking Event and Contextual Data" Environmental Health Vol 20, 51 <https://doi.org/10.1186/s12940-021-00734-x>

Lisa M. Gatzke-Kopp, Siri Warkentien, Michael Willoughby, **Chris Fowler**, David C. Folch, Clancy Blair (2021) "Proximity to sources of airborne lead is associated with reductions in Children's executive function in the first four years of life." Health and Place Vol. 68. doi.org/10.1016/j.healthplace.2021.102517.

Refereed Publications (continued):

- Baumer, Eric P., **Christopher Fowler**, Steven F. Messner, and Richard Rosenfeld (2021) "The Spatial Clustering of Poor Neighborhoods and Rates of Homicide Mortality: An Analysis of Metropolitan Counties, 1980-2010." *The Sociological Quarterly* <https://doi.org/10.1080/00380253.2020.1867485>
- Fowler, Christopher**, and Leif Jensen (2020) "Bridging the gap between geographic concept and the data we have: The case of labor markets in the U.S." *Environment and Planning A* Vol. 52, Issue 7 pp. 1395-1414.
- Fowler, Christopher**, Nathan Frey, David C. Folch, Nicholas Nagle, Seth Spielman (2019) "Who are the people in my neighborhood?: The 'contextual fallacy' of measuring individual context with census geographies." *Geographical Analysis* 52(1), 155-168
- Fowler, Christopher** (2018) "Key Assumptions in Multiscale Segregation Measures: how zoning and strength of spatial association condition outcomes." *Environment and Planning B* Vol. 45, Issue 6, pp. 1055-1072.
- Martin, Michael[†], and **Christopher Fowler** (2018) "Connecting the Dots: The Spatial Processes Underlying Place-Level Diversity Change in U.S. Metros Between 1990 and 2010" *Spatial Demography* Vol. 6, Issue 2, pp. 141-157.
- Lumley-Sapanski[†], Audrey and **Christopher Fowler** (2017) "'Planning dissonance' and the bases for stably diverse neighborhoods: The case of South Seattle." *City and Community* Vol. 16, Issue 1, pp. 86-115.
- Fowler, Christopher**, Barrett Lee and Stephen Matthews (2016) "The contribution of places to metropolitan ethnorracial diversity and segregation: Decomposing change across space and time." *Demography* Vol. 53, Issue 6, pp. 1955-1977.
- Fowler, Christopher**, Danielle C. Rhubart[†] and Leif Jensen (2016) "Reassessing and revising commuting zones for 2010: History, assessment, and updates for U.S. 'labor-sheds' 1990-2010." *Population Research and Policy Review* Vol. 35, Issue 2, pp. 263-286.
- Fowler, Christopher** (2016) "Segregation as a multi-scalar phenomenon and its implications for neighborhood-scale research: the case of South Seattle 1990-2010." *Urban Geography* Vol. 37, Issue 1, pp. 1-25.
- Chrisinger, Colleen, **Christopher Fowler** and Rachel Garshick Kleit (2015) "Industry clusters and employment outcomes in Washington State." *Economic Development Quarterly* Vol. 29, Issue 3, pp. 199-210.
- Fowler, Christopher**, Jane Cover and Rachel Garshick Kleit (2014) "The geography of fringe banking." *Journal of Regional Science* Vol. 54, Issue 4, pp. 688-710.
- Fowler, Christopher** and Rachel Kleit (2014) "The effects of industrial clusters on the poverty rate." *Economic Geography* Vol. 90, Issue 2, pp. 129-154.
- Chrisinger, Colleen[†], **Christopher Fowler** and Rachel Garshick Kleit (2012) "Shared skills: Occupation clusters for poverty alleviation and economic development in the U.S.." *Urban Studies* Vol. 49, Issue 15, pp.3403-3425.
- Ellis, Mark, Steven Holloway, Richard Wright, and **Christopher Fowler** (2012) "Agents of change: Mixed-race households and the dynamics of neighborhood segregation." *Annals of the Association of American Geographers* Vol. 102, Issue 3, pp.549-570.
- Berkemeier, Betty, Matthew Bryan, Matthew D. Dunbar, and **Christopher S. Fowler** (2012) "Local health department provision of WIC services relative to local "need" –Examining 3 states and 5 years," *Frontiers in Public Health Services and Systems Research* Vol. 1, Issue 1, pp. 1-7.

Refereed Publications (continued):

- Beyers, William and **Christopher Fowler** (2012) "Economic structure, technological change and location theory: The evolution of models explaining the link between cities and flows." in Cities and Flows edited by Peter Hall and Markus Hesse. New York: Routledge. pp. 23-41.
- Wang, Man, Rachel Garshick Kleit, Jane Cover, and **Christopher Fowler** (2012) "Spatial variations in U.S. poverty: Beyond metropolitan and non-metropolitan." *Urban Studies* Vol. 49, Issue 3, pp. 563-585.
- Fowler, Christopher** (2011) "Finding equilibrium: How important is general equilibrium to the results of geographical economics?" *Journal of Economic Geography* Vol. 11, Issue 3, pp. 457-480.
- Fowler, Christopher** (2007) "Taking geographical economics out of equilibrium: implications for theory and policy." *Journal of Economic Geography* Vol. 7, Issue 3, pp. 265-284.
- Fowler, Christopher** (2006) "Re-exploring transport geography and networks: a case study of container shipments to the west coast of the United States." *Environment and Planning A* Vol. 38, Issue 8, pp.1429-1448.
- Fowler, Christopher** (2001) "Applying the least-cost transportation model to estimate the effects of major transportation system changes - case study of dam breaching on the Snake River." *Transportation Research Record: Multimodal and Marine Freight Transportation Issues* No. 1763, pp. 65-72.

In Review

Fowler, Christopher "Race, Space, and the Geography of Representation"

Grants:

Ongoing

- Co-Principal Investigator, "The Reproduction of Social Inequality through Routine Voter Maintenance" NSF Lee Ann Banaszak (Poly Sci) PI (2021-2022) ~\$280,000 PSU Award
- Co-Principal Investigator, "The Reproduction of Social Inequality through Routine Voter Maintenance" Russell Sage Foundation Lee Ann Banaszak (Poly Sci) PI (2021-2022) ~\$75,000 PSU Award
- Principal Investigator, "Quality Geographic Data for Puerto Rico" Russell Sage Foundation sub award from Brown University Beth Fussell (Brown Sociology) PI (2021) ~\$50,000
- Principal Investigator, "School Attendance Zone Boundaries and the connection to neighborhoods, segregation, and access to educational opportunity" SSRI, Penn State University \$25,000
- Principal Investigator, "School Attendance Zone Boundaries and the connection to neighborhoods, segregation, and access to educational opportunity" NSF #1918277 (2019-2021) \$385,000
- Principal Investigator, "Uncertainty in survey-based measures of commuting and its changing impact on ERS RUCA code misclassification" USDA Economic Research Service #58-6000-8-0023 (2018-2020) ~\$15K.
- Principal Investigator, "National Historical Geographic Information System" NSF #1825768. Lead on ~\$250K Penn State sub-award to Minnesota Population Center lead project (2018-2023) ~\$1M.

Investigator, “Early Life Stress and the Environmental Origins of Disease: A Population-based Prospective Longitudinal Study of Children in Rural Poverty” NIH #1UG3OD023332-01 Clancy Blair Principal Investigator. (2016-2023) ~\$1.6M first year with expected extension with equivalent funding for 6 more years. ~\$670K four-year subcontract to date.

Completed:

Principal Investigator, “Publicly subsidized disasters: examining the connections between economically vulnerable populations, housing policy, and hazard risk in the Houston-Galveston region” NSF Graduate Research Fellowship with advisee Travis Young (2016-2019)

Co-Investigator, NSF-Census Research Network: Spatial Science Node. NSF #1132008 Seth Spielman Principal Investigator. (2011-2017) ~\$1.6M Award ~\$97K subcontract

Co-Principal Investigator, “Designing U.S. Labor Market Areas” USDA Economic Research Service #58-6000-4-0053. (2014-2016). \$25K

Co-Investigator, “Racial and Ethnic Diversity in American Communities, 1980-2010,” NICHD, Principal Investigator Barrett Lee. (2013-16) ~\$250K

Co-Principal Investigator, “Labor Market Areas and the changing connectivity between rural and urban areas in the U.S.” Population Research Institute Seed Grant, Penn State (2015). ~\$14K

Principal Investigator, “Economic Development and Gentrification: The Complex Impacts of Local Investments in Neighborhoods” Deike Research Grant. Penn State College of Earth and Mineral Sciences (2013) ~\$50K

Courses Taught:

At Penn State University

GEOG 2N: Apocalyptic Geographies

GEOG 126/326: Introduction to Economic Geography

GEOG 421: Population Geography

GEOG 424/424W: Geography of the Global Economy

GEOG 520: Seminar in Human Geography

At the Center for Studies in Demography and Ecology, University of Washington (*Workshops*)

Spatial R

Geographically Weighted Regression

Spatial Regression

Exploratory Spatial Data Analysis

Point Patterns and Raster Surfaces

Methods in Spatial Demography

At the University of Washington Department of Geography

GEOG 448: Transportation and Equity

GEOG 377: Urban Political Geography

GEOG 449: Geography of Maritime Transportation

Awards and Fellowships:

Supported Participant, "Metric Geometry Gerrymandering Group" Boston, MA (December 2018)

Best Poster, "The contextual fallacy reframed: uncertainty in the representativeness of census counts for individual experience." Population Association of America Annual Conference, Chicago (2017)

Visiting Fellow, Max Planck Institute for the Study of Racial, Ethnic, and Religious Diversity. Gottingen, Germany (2016).

Supported Participant, Bayesian Modeling for Practicing Ecologists. Fort Collins (2013)

Supported Participant, Institute for Research in the Social Sciences: "Migration as Adaptation," Stanford (2011).

Supported Participant, Advanced Spatial Analysis Workshop: Geographically Weighted Regression. Santa Barbara (2010).

Supported Participant, Advanced Spatial Analysis Workshop: Spatial Regression Analysis. Santa Barbara (2009).

Fellow (Non-residential), Brookings Institute Center on Social and Economic Dynamics (2008-2009).

Supported Participant, Graduate Workshop in Computational Social Science. Santa Fe Institute (2007).
One of ten students selected to participate in an intensive workshop on computational modeling.
The first geographer ever selected for participation in this workshop.

Ullman Prize for Best Dissertation, University of Washington Department of Geography (2007)

Supported Participant, Summer Institute in Economic Geography, Madison, Wisconsin (2006).

Graduate Fellow in Canadian-American Studies. Vancouver, B.C. (2006).

Research award from the Canadian Consulate to support two quarters of interviews and archival research related to competition and the port of Vancouver, B.C.

Fellow, Chester Fritz Foundation. Genova and Gioia Tauro, Italy (2005).

Research fellowship funding ten weeks of fieldwork for dissertation research on competition and politics in two Italian ports.

Fellow, Foreign Language Area Studies Fellowship. Genova, Italy (2004).

Federally funded language study in Italian to support dissertation research.

Honorable Mention, National Science Foundation Graduate Fellowship (2003).

Stefansson Fellowship for Arctic Research, Dartmouth College (1997).

Conference Presentations and Invited Talks:

Invited Speaker, "Who are the people in my neighborhood? Race, scale, and the quest to understand contextual effects" University of Bristol, UK (January 27th, 2020)

Invited Speaker, "Who are the people in my neighborhood? Race, scale, and the quest to understand contextual effects" University of Newcastle, UK (January 24th, 2020)

Invited Speaker, "Who are the people in my neighborhood? Race, scale, and the quest to understand contextual effects" SAMM Universite Paris (October 25th, 2019)

Instructor, "Voting Rights Data Institute" Weeklong teaching of GIS for redistricting reform. Boston, MA (July 2019)

Invited Speaker, "Uncertainty in Rural Definitions" HRSA meeting on defining rurality in the 2020 census. Washington, DC (June 2019).

Presenter, "For Representation: Why fixing gerrymandering isn't the solution and geography needs to matter less" AAG Annual Meeting, Washington, DC (April 2019)

Invited Speaker/Panelist "Uncertainty in Metropolitan Definitions" OMB meeting on metropolitan definitions. Washington, DC (March 2019)

Invited Speaker, "Scale and Boundaries in Health Research" National Cancer Institute workshop on Advancing Rural Cancer Control Research, Bethesda, MD (May 2018).

Presenter, "Door to Door Demographics: the similarities and differences among American neighbors" PAA Annual Meeting, Denver, CO (April 2018).

Presenter, Chair, Organizer "Door to Door Demographics: the similarities and differences among American neighbors" AAG Annual Meeting, New Orleans, LA (April 2018).

Invited Speaker, "The geography of small populations: Issues in defining an appropriate geographic context." National Academy of Sciences Workshop on working with Small Populations. Washington, DC (January 2018).

Invited Speaker, "Issues in defining an appropriate context for rural subjects." National Institutes of Health / National Cancer Institute Workshop on Defining Rural Populations. Washington, DC (October 2017).

Poster Presentation, "The contextual fallacy reframed: uncertainty in the representativeness of census counts for individual experience" Best Poster winner, PAA Annual Meetings, Chicago (2017).

Invited Speaker, "Segregation and diversity as multiscale phenomena: Why we need multiscale measures to understand neighborhoods and neighborhood effects." Minnesota Population Center, Minneapolis Minnesota (January 2017).

Presenter, "Delineating labor-sheds from commuter-flow data for the U.S.: A generalized method for defining functional regions with quality of fit statistics." North American Regional Science Association Annual Meeting, Minneapolis Minnesota (November 2016).

Invited Speaker, "Segregation and diversity as multiscale phenomena: Why we need multiscale measures to understand neighborhoods and neighborhood effects." University of Kentucky, Lexington Kentucky (October 2016).

Presenter, "Changing diversity in U.S. metropolitan areas: An analysis of place-level diversity changes 1980-2010" PAA Annual Meetings, Washington D.C. (April 2016).

Presenter, Chair, Organizer, "Why we need multiscale measures to understand neighborhoods and neighborhood effects" AAG Annual Meetings, San Francisco (March 2016).

Invited Speaker, "Remaking commuting zones for 2010" Rural Sociology Department Colloquium, Penn State University (February 2016).

Invited Speaker, "Segregation as a multiscale measure" Population Research Institute, Penn State University (February 2016).

Presenter, "Comparing interpolated and dasymetric data for use in spatial segregation measures." Regional Science Association Annual Meeting, Portland, Oregon (November, 2015).

Invited Speaker, "Segregation as a multiscale measure" Spatial Statistics in the Social Sciences at Brown University, Providence Rhode Island (October 2015).

Presenter, "Planning dissonance' and the bases for stably diverse neighborhoods: The case of South Seattle" RC21 Conference on the Ideal City, Urbino, Italy (August 2015).

Presenter, "Segregation as a multiscale measure" PAA Annual Meeting, San Diego, California (April 2015).

Discussant, "Spatial demographic analysis of poverty" PAA Annual Meeting, San Diego, California (April 2015).

Poster Presenter, "Identifying neighborhoods based on context: Multi-scale segregation and neighborhood dynamics in space and time" PAA Annual Meeting, Boston, Massachusetts (May 2014).

Organizer, Presenter, Discussant, "Understanding neighborhood change." Three part series of presentations, and panel discussion at AAG Annual Meeting, Tampa, Florida (April 2014).

Presenter, "Multiscale segregation and neighborhood change: Diversity and enclaves in South Seattle" Changing American Communities and Neighborhoods Working Group. Penn State University (Jan. 27, 2014).

Discussant, "Evolutionary economic geographies" AAG Annual Meeting, Los Angeles, California (April 2013).

Discussant, "Port cityscapes" AAG Annual Meeting, Los Angeles, California (April 2013).

Presenter, "Can lagging cities have taxes?" AAG Annual Meeting, Los Angeles, California (April 2013).

Discussant, "Cities and flows" AAG Annual Meeting, Seattle, Washington (April 2011).

Presenter, "Geography of fringe banking" Annual Meeting of the North American Regional Science Association, San Francisco, California (November 2009).

Presenter, "Rising oil prices and globalization: A comparative analysis of general equilibrium and agent-based methods." AAG Annual Meeting, Las Vegas, Nevada (March 2009).

Organizer, Chair, Presenter, "When geographers do economics." AAG Annual Meeting, Boston, Massachusetts (April 2008).

Participant and Presenter, Microeconomics of Competitiveness Faculty Workshop, Harvard Business School (2008).

Panelist and Presenter "Scale and spatial complexity: Agent-based models and geographical economics." , Brookings Institute, Symposium on agent-based modeling and demography, Washington, D.C. (Dec. 2007).

Presenter, "The complex city: agent-based models and the potential for a critical quantitative economic geography." AAG Annual Meeting, San Francisco, California (April 2007).

Presenter, "Port competition and the Puget Sound." Black Hills Audubon Society, Olympia (Jan. 2007).

Organizer, Chair, Presenter "Models as theory/Models as explanation." AAG Annual Meeting, Chicago, Illinois (March 2006).

Presenter, "The last bastion of the middle class: the effects of local competitive policy on essential services in U.S. cities 1980-2000." AAG Annual Meeting, Denver, Colorado (March 2005).

Presenter, “Traffic jams in the ‘Spaces of flows:’ Bringing transport networks into the globalization debate.” AAG Annual Meeting, Philadelphia, Pennsylvania (March 2004).

Presenter, “Links and nodes in the global network: The role of transportation companies in shaping globalization.” AAG Annual Meeting, New Orleans, Louisiana (Feb. 2003).

Professional Service and Membership:

Editorial Board Member, *Population and Environment* 2020-present

Editorial Board Member, *Geographical Analysis* 2019-present

Editorial Board Member, *Demography* 2016-present

American Community Survey Data Users Group Steering Committee Member (2021-present)

Member, Association of American Geographers

-----Executive Committee Member, Population Geography Specialty Group (2016-present)

-----Executive Committee Member, Economic Geography Specialty Group (2006-2007).

Member, Population Association of America

Work and Other Non-Academic Experience:

Instructor, “Introduction to spatial statistics” course taught through Statistical Horizons Philadelphia, PA. October 16-17 2013.

Owner, C.S. Fowler Consulting LLC (2011 – 2013)

Planning Commissioner, Lake Oswego, Oregon (1998-2000).

Economist and Planner, HDR Engineering, Portland, Oregon (1998-2000).

Planner, Group Mackenzie, Portland, Oregon (1997-1998).