

RÉSUMÉ
George R. Hendrey

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ADDRESS

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CURRENT POSITION

Distinguished Professor, Director and Chair, School of Earth and Environmental Science, Queens College, and the Graduate Center, City University of New York.
VP and CTO, COAWAY LLC

EDUCATION:

- Ph.D., Water and Air Resources Division, Dept. of Civil Engineering, Univ. of Washington, Seattle.
Major: Comparative Limnology with minors in aquatic chemistry and statistics.
Advisors: E.B. Welch (chair), W.T. Edmondson, R.F. Christman, R. Carlson, F. Taub
Dissertation title: *PRODUCTIVITY AND GROWTH KINETICS OF NATURAL PHYTOPLANKTON COMMUNITIES IN FOUR LAKES OF CONTRASTING TROPHIC STATE*
- M.S., Water and Air Resources Division, Dept. of Civil Engineering, University of Washington.
Advisor: E.B. Welch
Thesis title: *Effects of Secondary Sewage Effluent Organics on the Growth of Six Algal Species.*
- B.A., Dept. of Zoology, University of Washington.

EMPLOYMENT:

- September 1, 2004-current: School of Earth and Environmental Science, Queens College and the Graduate Center, City University of New York.
Position: Distinguished Professor; Director and Chair, School of Earth and Environmental Science
- 1977-2004: Brookhaven National Laboratory, Upton, New York
Position: Senior Ecologist with Tenure; Head, Earth Systems Science Division.
Responsibilities: Planning and coordination of research, development of research proposals; allocation and management of personnel, funds, and facilities. Principal Investigator for research projects; Coordinator, FACE field facilities.
- 1997-1999: Deputy Chairman, Department of Applied Science, BNL (1997-1999)
Responsibility: As required by the Department Chairman, represent DAS within BNL and with research sponsors.
- 1983-1988: Office of Health and Environmental Research, Ecological Research Division ER-75, U. S. Department of Energy, Washington, DC 10545 (concurrent with position at BNL)
Position: Technical Representative (seconded from BNL).
Responsibilities: At various times: Manager of Arctic Terrestrial Ecology projects (14 Principal Investigators); Tech. Rep. For ORNL Walker Branch Watershed Program and Savannah River Ecology Laboratory; and liaison between DOE and other Federal agencies for Arctic ecology and National Acid Precipitation Assessment Program (NAPAP) management.
- 1976-1977: Section of Ecology and Systematics, Dept. of Biology, Cornell University.
Position: Senior Research Assoc., and Visiting Lecturer
Responsibilities: Teaching graduate seminar in limnology (Biological Sciences 665); senior-level course in limnology (Biological Sciences 462); and supervising a limnology laboratory course (Biological Sciences 463). Conducted limnological research at Hubbard Brook Experimental Forest, NH, relating to stream acidification.
- 1973-1976: Norwegian Institute for Water Research, Oslo, Norway (Permanent Appointment, 1975).
Position: Research Scientist. Hydrobiology Group Leader for the Norwegian national project "Acid Precipitation Effects on Forests and Fish" (SNSF Project).
Responsibilities: Preparation of research proposals and budgets; supervision of laboratory and field research; coordination of projects within the aquatic trophic systems group of the SNSF project including five research scientists and several technicians; coordination between this group and research scientists in other institutions; and construction and maintenance of a cooperative research station at Tovdal, Norway.
- 1968-1973: Water and Air Resources Division, Department of Civil Engineering, University of

Washington, Seattle, WA.

Position: Graduate Research Assistant

Responsibilities: Laboratory and field research related to M.S. and Ph.D. degrees.

- 1965-1968: Boeing Co., Auburn, WA

Position: Associate Research Engineer-A Chemist

Responsibilities: Quality control chemistry, chemical waste treatment plant operations.

- 1963-1965: The Peace Corps, Morocco

Position: Peace Corps Volunteer

Responsibilities: Teaching English language and sports in a secondary school; swimming team coach; developed a Moroccan Boy Scouts program centered on care of crippled children.

HONORS:

- Finalist, Virgin Earth Challenge (2011)
- Aspen FACE Pioneer Award, International FACE Workshop, Rhinelander, WI April 2008.
- Distinguished Professor of Earth and Environmental Science, Queens College, CUNY (1 February 2005).
- BNL Council (Elected 2000)
- US-New Zealand Cooperative Science Program Award (NSF, 1992)
- National Science Foundation Certificate of Service, 1987
- EPA Administrator's Round Table, 1983
- Biological Effects Governing Board, National Acid Deposition Program (NADP), 1979-81

LANGUAGES:

English (native language); Norwegian (competent reading, moderate speaking ability); French, Swedish and Danish (limited speaking ability and moderate reading ability).

AFFILIATIONS:

Ecological Society of America; International Society for Pure and Applied Limnology (SIL); American Chemical Society; American Geophysical Union; American Association for the Advancement of Science; Sigma Xi.

REVIEWER FOR:

Journals:

- *Agricultural and Forest Meteorology*
- *Australian Journal of Botany*
- *Canadian Journal of Fisheries and Aquatic Sciences*
- *Climate Change*
- *Environmental Management*
- *Environmental Monitoring and Assessment*
- *Journal of Environmental Quality*
- *Global Change Biology*
- *Plant, Cell and Environment*
- *Water, Air and Soil Pollution*

Reviewer for other Organizations:

- Agricultural Research Service, USDA
- Idaho National Environmental and Engineering Laboratory
- Institute of Ecosystems Studies, Millbrook, NY
- National Science Foundation
- Natural Sciences and Engineering Council of Canada
- Oak Ridge Institute for Science and Education
- State University of New York, Stony Brook (Dissertation review)
- Swiss Federal Institute of Technology (Dissertation review)
- Terrestrial Ecosystem Program (Interagency USGCRP)
- U.S. Department of Agriculture
- U.S. Department of Energy
- Israel Science Foundation
- Springer-Verlag (publisher)

- CUNY PEER program

PRINCIPAL INVESTIGATOR FOR RESEARCH PROJECTS:

Research proposals submitted from Brookhaven National Laboratory and funded at BNL:

- G. Hendrey “Integrated Lake-Watershed Acidification Study” (\$169,000 EPRI 1980-81).
- G. Hendrey and L. Evans “Effects of Acid Precipitation on Crop Growth and Yield” (USEPA and NAPAP \$1,500,000 FY 1977-86).
- G. Hendrey “Health Effects of the Photovoltaic Industry” (DOE \$75,000 1980-81).
- G. Hendrey “Effects of Acidic Precipitation on Surface Waters” (USEPA, \$551,000 FY 1980-84).
- G. Hendrey “Effects of Acid Precipitation on Surface Waters of New York State” (NYSERDA \$66,000 1980).
- G. Hendrey “Northeastern National Environmental Research Park” (USDOE, \$725,000 FY 1977-1986).
- G. Hendrey “Acid Deposition to Surface Waters” (\$90,000 DOE/OHER 1980-82).
- G. Hendrey “Ecosystem Project Management and NAPAP Coordination” (\$809,000 DOE/OHER 1984-89).
- G. Hendrey “Free-air Carbon Dioxide Enrichment Facility Development” (DOE/TCP \$16,730,638 (FY 1986-2004).
- G. Hendrey “Development of a FACE Forest Prototype” (NCASI \$57,000 1992-93).
- G. Hendrey “FACE in a Forest: Prototype Development” (USFS \$56,000 1993-94).
- G. Hendrey “Control of Ozone Concentrations for Plant Effects Studies” (NCASI, \$140,387 1987- 1989).
- G.Y. Nie, S. Long and **G.R. Hendrey** “Effects of CO₂ Enrichment on molecular mechanisms regulating Photosynthesis” (DOE/OHER \$41,484 1992-93)
- G. Hendrey and P. Newton “BNL-New Zealand Cooperative Science Program” (NSF/INT-9205920, \$54,000 FY 1993-95)
- G. Hendrey “Free-Air Carbon Dioxide Enrichment System for Grassland Research in Switzerland” (Swiss Federal Institute of Technology \$88,000 FY 1993-95).
- G. Hendrey “Ecological Effects of Climate and Atmospheric Change” (DOE/OHER \$100,000 1994-95).
- G. Hendrey and D. Ellsworth “Effects of CO₂ Enrichment on photosynthesis in a loblolly Pine Plantation” (DOE/OHER \$114,000 1995-95).
- G. Hendrey “FACTS-I Facility Development” (DOE/OHER \$854,000 1995-97).
- G. Hendrey and W. Schlesinger “Forest-Atmosphere Carbon Transfer and Storage” (DOE/TCP, TECO \$8,000,000 1996-2001).
- G. Hendrey “FACE Facility Development at Oak Ridge National Laboratory” (ORNL \$53,000 1996-99).
- G. Hendrey “CO₂ Experiments at FACTS-I” (DOE/OBER \$10,000 1997).
- G. Hendrey “FACTS-I Facility Operations” (DOE/OBER \$6,000,000 1997-2004).
- G. Hendrey “FACE Facility Development at Cedar Creek, MN” (Univ. Minnesota \$219,000 1997-2000).
- G. Hendrey “FACTS-III/TropiFACE Prototype Development (DOE/TCP \$23,000 1998-99).
- G. Hendrey “FACE Research at the Federal Agricultural Laboratory, Germany” (FAL \$161,000 1998-2000).
- G. Hendrey “Environmental Carbon Observatory Development” (BNL Laboratory Directed Research and Development funds, \$750,000 FY 1999 -2001.)
- L. Wielopolski and **G.R. Hendrey** “Monte Carlo Neutron Photon (MCNP) Simulation to Improve Soil Carbon Measurement” (\$926,000 DOE/TCP FY2000-2002).
- G. Hendrey and Russell Dietz “Eddy-Covariance Flux Tower and Tracer Technology Support for the University of Georgia Proposal: From Tower to Pixel: Integration of Patch-size NEE using Experimental and Modeling Footprint Analyses” (DOE/TCP \$953,405 FY 2001-2004).

Proposals submitted from Queens College and funded:

- C. Yi, G.R. Hendrey. 2008. A nonparametric daytime NEE model: direct upscaling from tower sensors to satellite sensors. NSF-DEB-ES. \$582,777. 3 yrs. (funded)
- G. R. Hendrey. 2009. CO₂ Sorption and Desorption. Robert Polak Assoc. \$4,000. 3 yrs (Funded)
- G. Hendrey (P.I.), C. Yi, J. Bird, T. Eaton. 2010. Instrumentation Request for Eddy Flux Research. QC/GRTI. \$83,628.
- C. Yi and G. R. Hendrey. 2010. CMG Collaborative Research: Responses of U.S. carbon fluxes to climate extremes and seasonal stress through upscaling from tower sensors to satellite sensors. 36 months from 09/10/2010.

Proposals submitted from Queens College but not funded

- G.R. Hendrey (P.I.). 2005. Effects of High-Frequency CO₂ Variation in FACE Experiments on Net Photosynthesis. DOE/OBER/TCP \$854,918 3-yrs
- G.R. Hendrey¹ (P.I.), J. Chen, S. Gaffin, J. Hom, S. Humphries, C. Rozensweig, R. Wagener. 2006. Virtual Laboratory for Environmental Data Acquisition, Management and Analysis. \$373,212. NSF 06-505 Cyberinfrastructure.
- T. Eaton, G.R. Hendrey (Co-P.I.). 2006. Dynamics of flow and water quality in the Flushing Bay Estuary; CUNY Research Equipment Grants Program (2006) \$20,000.
- J. Chen, G.R. Hendrey (Co-P.I.), P. Hammriich. 2007. A Grid based Virtual Laboratory for Data/Computation intensive Scientific Experiment Education. NSF/ Advanced Learning Technology.
- C. Yi and G. R. Hendrey. 2010. CMG Collaborative Research: Responses of U.S. carbon fluxes to climate extremes and seasonal stress through upscaling from tower sensors to satellite sensors. 36 months from 09/10/2010. (Funded)
- G.R. Hendrey (P.I.) & C. Yi. 2011. Intensive advection measurements over complex terrain. DOE-NICCR. \$310,184. 2 yrs.
- C. Yi and G. R. Hendrey (Co-P.I.). 2010. Responses of U.S. carbon fluxes to climate extremes and seasonal stress through upscaling from tower sensors to satellite sensors. NSF/ CMG Collaborative Research. \$1,046,163. 3 years.
- G.R. Hendrey (P.I.), C. Yi and J. Bird. 2011. Filling the nighttime gap in eddy-flux measurements in complex terrain. \$990,285, DOE/BER 36 mo.
- G. R. Hendrey (P.I.) & C. Yi 2011. Development of An Instrument Array for Canopy-scale Micrometeorology in Complex Terrain (IACMCT) . NSF/MRI. \$2,409,349.2 years.
- G. O'Mullan (P.I.), with Co-P.I.s J. Bird, G. Stewart, T. Eaton, G. Hendrey, C. Yi. Expansion of atmospheric sampling and analysis capabilities in the School of Earth & Environmental Sciences. CUNY/GRTI.

TEACHING

- Special Problems in Environmental Science (Ensci393, Spring 14, Fall 14)
- Environmental Problem Solving (ENSCI 373, Spring 2005-07, Fall 2008-12, Fall 14)
- Science and Technology in New York City (HNRS 225 & 137W, Autumn 2005, 2006)
- Topics In Environmental Research (EnSci399, Spring 2006)
- Field Techniques in Environmental Sciences (EnSci767, Spring 2007)
- EES80500 Independent Study (2005-2008)
- Our Changing Planet: Introduction to Earth System Science: (EnSci 112 Fall 2006-11; Spring 2008-12)
- Our Planet in the 21st Century (EnSci100, Spring 2012, 2013)
- Global Climate Change: Science, Policy, Economics: (Geology 40.3/Urban Studies 265, Fall 2007)
- Introduction to Environmental Science (EnSci 100/111 Fall 2008, Spring 2009, Fall 2009)
- Topics in Geology: Professional Development (Geol 490.3 Spring 2010)

SERVICE (CUNY/QC)

Department

- Undergraduate Curriculum Committee
- Governors Island Proposal Committee
- Faculty Search Committee (2006-07, 2012-13)
- Departmental Outreach (brochures for undergraduate and graduate recruitment)
- Faculty Advisor for Focus the Nation
- Director and Chair, School of Earth and Environmental Science (2013-current)

College

- CUNY Institute for Sustainable Cities (Advisory Committee)
- Academic Senate (At large representative)
- Educational Technologist Search Committee (2006, Ken Lord, Chair)
- Research Enhancement Committee (Alternate for DMNS)
- Matrix Committee, subcommittee of the Senate Campus Affairs, Environment, and Graduation Advisory Committee October 2012-Jan 2013.
- Committee on Centers and Institutes (2014-current)

Graduate Center

- Executive Committee, Dept of Earth and Environmental Science (2005-06)
- Graduate Curriculum Committee (2006)
- Graduate School Policy Committee (2007)

University

- Reviewer for PEER Grants
- Steering Committee, CUNY Institute for Sustainable Cities (2006- 2010)
- Research Manager, CUNY Institute for Sustainable Cities (2008 – 2009)

OTHER RELEVANT EXPERIENCES:

- Conducted the original limnological studies of Findley and Chester Morris lakes for the Western Coniferous Forest IBP program (1970-1973).
- Participated in the conception and execution of the Norwegian acid deposition effects program synoptic lake surveys, 155 lakes sampled in two weeks during both frozen and open water conditions (1974-1975). Extensive use of small aircraft.
- Established and operated the Tovdal Experimental Research Site, Tovdal, Norway, to examine effects of acid deposition on stream biota (1974-1976). Construction and instrumentation of artificial stream channels and feedback control system for pH regulation.
- Established and supervised operation of the Integrated Lake-Watershed Acidification Study (ILWAS) laboratory at Raquette Lake, NY (1978-1981).
- Consultant to Environmental Criteria Assessment Office, EPA (Sulfur Oxide and Particulates Criteria Document, 1979-1981, and Critical Assessment of Acid Precipitation, 1982).
- Biological Effects Governing Board of NADP. This panel established by cooperative agreement with EPA at North Carolina State University directed EPA terrestrial and aquatic effects research funded by EPA dealing with acidic precipitation, and acted as an integrator of related research in USDA and the U.S. Department of Interior (1979-1983).
- International Joint Commission, Research Advisory Board, Committee on Geochemical and Environmental Aspects, Chairman of the Energy Futures Subcommittee. The IJC, established by a U.S.-Canada treaty in 1909, identifies and mediates disputes concerning boundary waters. I presented the RAB annual report to IJC at Detroit, July 1979 (1979-1981).
- National Power Plant Team, U.S. Fish and Wildlife Service. Consultant on planning for acid deposition effects research.
- Empire State Electric Energy Research Corporation. Consultant on current state-of-knowledge for atmospheric deposition and planning of limnological research programs. July 1981.
- Expert Witness for Environmental Defense Fund, Scenic Hudson Inc. and the Hudson River Fisherman's Association concerning possible acidification impacts of the conversion of Orange and Rockland electric generating stations from oil to coal fuels. July-August 1981.
- U.S. Department of Energy, Working Group I. Prepared a lengthy critique of the U.S./Canada coordinating Committee on Trans-boundary Air Pollution Report on Impact Assessment. September 1981.
- Interagency Task Force on Acid Precipitation: Member of Task Groups E (Aquatics) and F (Terrestrial); wrote portions of the National Acid Precipitation Assessment Plan dealing with aquatic research.
- Expert witness for Environmental Defense Fund concerning possible acidification impacts of the Consolidated Edison Company's conversion of electric generating stations from oil to coal fuels.
- EPA Administrator's Round Table: Discussions on scientific knowledge of acid deposition. A panel of 16 key scientists selected to personally advise the Administrator of EPA and the Science Advisor to the President on scientific issues. National Academy of Sciences, 1983.
- Consultant to Dept. of Environmental Protection, City of New York. Analysis of water supply chemical data; advise on revision of water quality analysis program. 1984-85.
- Expert witness for the City of New York concerning acidification effects of Central Hudson Gas and Electric Corp. emissions on New York City water supply; case won by City of New York. 1984-85.
- Invented and led development of BNL FACE technology.
- Program Coordinator for the Free-Air Carbon dioxide Enrichment (FACE) program, a consortium of investigators from national laboratories and universities, supported by DOE and other Federal agencies. 1986 - continuing.
- Contributed to establishment and operational guidance of FACE facilities, 1987-current.
- Prototype free-air fumigation system, BNL, 1986.
- FACE field demonstration site, Yazoo City, MS, 1987-88.
- Effects of CO₂ enrichment on Cotton, 1989-91, USDA /Univ. of Arizona, Maricopa, AZ.
- IGBP/GCTE Core Project "The Response of CO₂-Related Processes in Grassland Ecosystems in a Three-year Field CO₂ Enrichment Study" Swiss Federal Institute of Technology (ETH-Z), Eschikon, 1993-95.
- FACE Forest Prototype facility at Duke Forest, NC, 1993 - current.
- Forest-Atmosphere Carbon Transfer and Storage-I (FACTS-I), CO₂ enrichment effects on loblolly pine,

Duke Forest, NC: 1996-99.

- Forest-Atmosphere Carbon Transfer and Storage-II effects of CO₂ and ozone on northern hardwood trees, USFS/Michigan Technical University, Rhinelander, WI: 1996-1999).
- Effects of CO₂ enrichment on desert vegetation, University of Nevada, DOE Nevada Test Site: 1996-99.
- Effects of CO₂ enrichment on prairie vegetation, University of Minnesota, Cedar Creek Research Station: 1997-99.
- Forest-Atmosphere Carbon Transfer and Storage – III (FACTS-III/TropiFACE) Prototype Development, with Smithsonian Tropical Research Institute, Panama: 1997-99.
- Effects of CO₂ enrichment on agricultural, Institute for Agroecology, Braunschweig, Germany: 1998-99.
- Black Rock Forest Associates (operates BRF as an educational and scientific trust), founding member of the Board of Directors.
- Peer Reviewer, UNEP Project Environmental Changes and Productivity of Tropical Grasslands, Kings College, England, 1993.
- Biodiversity and Ecosystem Restoration Working Group of the Committee for Development of the Environmental Technology Strategic Plan, U.S. Department of Energy. 1994.
- Consultant to Scholastic Magazine's Magic School Bus (On Life In a Lake, February, 1995; Atlantic Salmon May 1995).
- Reviewer for the Nevada EPSCoR program, 1995.
- Technical Director, IGBP/GCTE Core Project "Integrated Study of Forested Ecosystems in Southeastern United States, Project I: A Free-Air Carbon Dioxide Enrichment (FACE) Experiment in a *Pinus Taeda* Ecosystem (1996-current).
- Conceived and initiated work (with Lucian Wielopolski) on the use of ground-penetrating radar for three-dimensional imaging of roots *in situ* (currently under development).
- Initiated (with Lucian Wielopolski) research on the use of inelastic neutron scattering for the quantification of carbon and nitrogen in native soils, *in situ* (currently under development).
- Conceived and initiated (with Michael Reynolds) the Urban Atmospheric Observatory project for New York City.
- Global biomass response to increasing atmospheric CO₂: Numerous meetings on reconciling differences in global NEE estimates derived from satellite observation (top-down) and from FACE ecosystem manipulation experiments (bottom up). This work will correct underestimation of NEE from FACE data when applied to global NEE analysis
- The next generation of FACE experiments. This is collaboration with the larger community of investigators planning a new round of large-scale CO₂ manipulation experiments following the European conference on "FACEing the Future" (Rome, December 2007) and the International FACE meeting in Rhinelander, WI (April 2008).
- New York Academy of Science, Green Science Committee, organized the NYAS Conference on Climate Change: State of Science & Adapting to the Inevitable, 29 Jan. 2008.
<<http://www.nyas.org/ebriefreps/splash.asp?intEbriefID=715>>
- New York Academy of Science, Green Science Committee: moderator for conference on New York's Nuclear Energy Future.

WORK IN PROGRESS

- Instrumentation for Eddy Flux Research in Complex Terrain. This project, located in the Black Rock Forest, NY, intends to improve methods for quantifying eddy flux of mass and energy between forest and atmosphere and profiles of these variables within the canopy.
- Analysis of the relationship between dryness and Q₁₀ with data aggregated at the Biome level (with C. Yi).
- Direct Extraction of CO₂ from the Atmosphere. A proposal submitted to the Virgin Earth Challenge <http://www.virgin.com/subsites/virginearth/> by COAWAY LLC, of which I am a founder, Vice President and Chief Technical Officer. The proposal is one of 10 remaining finalists in the Virgin Earth Challenge, out of >26,000 submissions and >250 semifinalists.

PUBLICATIONS

Peer-reviewed journal and monograph publications:

1. **Hendrey, G.R.** 1970. *The Effects of Secondary Sewage Effluent Organics on the Growth of Six Algal Species*. M.S. Thesis, Dept. of Civil Engineering, University of Washington, Seattle.
2. **Hendrey, G.R.** 1973. *Productivity and Growth Kinetics of Natural Phytoplankton Communities in Four Lakes of Contrasting Trophic State*. Ph. D. dissertation, Dept. of Civil Engineering, University of Washington, Seattle

3. **Hendrey, G.R.** and E.B. Welch. 1974. Phytoplankton productivity in Findley Lake. *Hydrobiologia* 45: 45-63.
4. **Hendrey, G.R.** and R.F. Wright. 1975. Acid precipitation in Norway: Effects on aquatic fauna. *J. Great Lakes Res.* 2(Suppl. 1): 192-207.
5. Welch, E.B., G.R. **Hendrey**, and R.K. Stoll. 1975. Nutrient supply and the production and biomass of algae in four Washington lakes. *Oikos* 26: 47-54.
6. **Hendrey, G.R.**, K. Ballsrud, T. Traaen, M. Laake, and G. Raddum. 1976. Acid precipitation: Some hydrobiological changes. *Ambio* 5: 224-227.
7. Wright, R.F., T. Dale, E.G. Gjessing, G.R. **Hendrey**, A. Henriksen, M. Johannesson, and I.P. Muniz. 1976. Impact of acid precipitation on freshwater ecosystems in Norway. *Water, Air, Soil Pollut.* 6: 483-499.
8. Likens, G.E. and G.R. **Hendrey**. 1977. Acid precipitation. *Chem. and Eng. News* 55(25): 60-61.
9. Hall, R.J., G.E. Likens, S. Fiance, and G.R. **Hendrey**. 1980. Experimental acidification of a stream in the Hubbard Brook Experimental Forest, New Hampshire. *Ecology* 61(4): 976-989.
10. Hall, R. J., S. B. Fiance, G. E. Likens and **G. R. Hendrey**. 1978. Effects of experimental acidification on stream insect emergence. *Bull. Ecol. Soc. Amer.* 59(2):67.
11. **Hendrey, G.R.** 1981. Acid rain and gray snow. *Natural History* 90(2): 58-65.
12. **Hendrey, G.R.** and D.W. Johnson. 1981. Surface water acidification (Letter). *J. Air Pollut. Control Assoc.* 31: 14-15.
13. Evans, L.S., G.R. **Hendrey**, G.J. Stensland, D.W. Johnson, and A.J. Francis. 1981. Acid precipitation: Considerations for an air quality standard. *Water, Air, Soil Pollut.* 16: 469-509.
14. Burns, D.A., J.N. Galloway, and G.R. **Hendrey**. 1981. Acidification of surface waters in two areas of the Eastern United States. *Water, Air, Soil Pollut.* 16: 277-285.
15. Glass N.R., D.E. Arnold, J.N. Galloway, G.R. **Hendrey**, J.J. Lee, W.W. McFee, S.A. Norton, C.F. Powers, D.L. Rambo, and C.L. Schofield. 1982. Effects of acid precipitation. *Environ. Sci. Technol.* 16:162A-169A.
16. Aber, J.D., G.R. **Hendrey**, D.B. Botkin, A.J. Francis, and J.M. Melillo. 1982. Potential effects of acid precipitation on soil nitrogen and productivity of a forest ecosystem. *Water, Air Soil Pollut.* 18: 405-412.
17. Galloway, J.N., C.L. Schofield, N.E. Peters, G.R. **Hendrey**, and E.R. Altwicker. 1983. Effect of atmospheric sulfur on the composition of three Adirondack Mountain lakes. *Can. J. Fish. Aquatic Sci.* 40: 799-806.
18. **Hendrey, G.R.** 1983. Automobiles and acid rain (letter). *Science* 222: 8.
19. Evans, L.S., G.R. **Hendrey**, and K. Thompson. 1984. Comparison of statistical designs and experimental protocols used to evaluate rain acidity effects on field-grown soybeans. *J. Air Pollut. Control Assn.* 34: 1107-1114.
20. Hoogendyk, C.G. and G.R. **Hendrey**. 1985. Response to review of aquatic research project 3B. *American Statistician* 39: 271-273.
21. Evans, L.S. and G.R. **Hendrey**. 1985. Statistical design controversy. *J. Air Pollut. Control Assn.* 35: 99-101.
22. Galloway, J.N., G.R. **Hendrey**, C.L. Schofield, N.E. Peters, and A.M. Johannes. 1987. Processes and causes of lake acidification during spring snowmelt in the west-central Adirondack Mountains, New York. *Can. J. Fish. Aquatic Sci.* 44: 1595-1602.
23. **Hendrey, G.R.** 1987 Acidification and anadromous fish of Atlantic estuaries. *Water Air Soil Pollut.* 20: 1-6.
24. Evans, L. S. and **Hendrey, G. R.** (1992). Responses of cotton foliage to short-term fluctuations in CO₂ partial pressure. *Critical Reviews in Plant Sciences* 2,3, 11: 203-212. BNL 48412.
25. **Hendrey, G.R.**, K.F. Lewin, Z., Kolber, and L.S. Evans. 1992. Controlled enrichment systems for experimental fumigation of plants in the field with sulfur dioxide. *J. Air & Waste Mgt. Assc.* 42: 1324-1327 (1992). (BNL 46141).
26. **Hendrey, G.R.** 1992. Global greenhouse studies: Need for a new approach to ecosystem manipulation. *Critical Reviews in Plant Science* 11(2-3): 61-74. (BNL 47902).
27. **Hendrey, G.R.** 1992. The DOE/USDA FACE Program: Goals, objectives and results through 1989. *Critical Reviews in Plant Science* 11(2,3): 75-83. (BNL 47903).
28. Hileman, D.R., G. Huluka, P.K. Biswas, P.N.C. Bhattacharya, P.P. Ghosh, L. Allen, Jr., K.F. Lewin, and G.R. **Hendrey**. 1992. Distribution of carbon dioxide within and above a cotton canopy growing in the FACE system. *Critical Reviews in Plant Science* 11(2,3): 187-202.
29. Hileman, D.R., N.C. Bhattacharya, P.P. Ghosh, P.K. Biswas, K.F. Lewin, and G.R. **Hendrey**. 1992. Responses of photosynthesis and stomatal conductance to elevated carbon dioxide in field-grown cotton. *Critical Reviews in Plant Science* 11(2,3): 227-231. (BNL 48411).
30. Lewin, K.F., G.R. **Hendrey**, and Z. Kolber. 1992. Brookhaven National Laboratory free-air carbon

- dioxide enrichment facility. *Critical Reviews in Plant Science* 11(2,3): 135-141. (BNL 48086).
31. Lipfert, F.W., Y. Alexander, G.R. **Hendrey**, K.F. Lewin, and J. Nagy. 1992. Performance of the BNL FACE gas injection system. *Critical Reviews in Plant Science* 11(2,3): 143-163. (BNL 48101).
 32. Mauney, J.R., K.F. Lewin, G.R. **Hendrey**, and B.A. Kimball. 1992. Growth and yield of cotton exposed to free-air CO₂ enrichment (FACE). *Critical Reviews in Plant Science* 11(2,3): 213-222. (BNL 48410).
 33. Nagy, J., K.F. Lewin, G.R. **Hendrey**, F.W. Lipfert, and M.L. Daum. 1992. FACE facility engineering performance in 1989. *Critical Review in Plant Science* 11(2,3): 165-185. (BNL 48102).
 34. **Hendrey, G.R.**, K.F. Lewin and J. Nagy. 1993. Free air carbon dioxide enrichment: development, progress, results. *Vegitatio* 104/105:17-31.
 35. Akin, D.E., B.A. Kimball, J.R. Mauney, R.L. LaMorte, G.R. **Hendrey**, K. Lewin, J. Nagy, and R.N. Gates. 1994. Influence of enhanced CO₂ concentration and irrigation on sudangrass digestibility. *Agric. For. Meteor.* 70: 279-87 (BNL 60471).
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 80. **Hendrey, G.R.**, C. Yi, D. Ricciuto. The temperature sensitivity of biome respiration and dryness (poster) AGU Annual Meeting, San Francisco Dec. 2011.
 81. Chuixiang Yi^{1,2}, Gerald Rustic^{1,2}, Suhua Wei^{1,2}, Anand Dookie¹, **George Hendrey**^{1,2}, Daniel Ricciuto³ Ecological consequences of climate extremes: a perfect-deficit approach. AGU Annual Meeting, San Francisco Dec. 2012.
 82. Yi, C, G Rustic, S. Wei, A Dookie(c), **G Hendrey**, D. Ricciuto, Ecological consequences of climate extremes: A perfect-deficit approach (**talk**), *Fall meeting of the American Geophysical Union*, December 3-7, San Francisco, California, 2012.
 83. Wei, S., C Yi, **G Hendrey**, T Eaton, H Liu, G.Rustic, N Krakauer, Climate extremes and forest carbon sequestration capacities (**poster**), *Fall meeting of the American Geophysical Union*, December 9-13, San Francisco, California, 2013. Yi C, K Jensen, S. Wei, **G. Hendrey**, Global warming, drought events, and GPP performance (**invited talk**), *Fall meeting of the American Geophysical Union*, December 9-13, San Francisco, California, 2013.
 84. Kutter E, C Yi, **G Hendrey**, H. Liu, T. Eaton, W. Ni-Meister, Recirculation bubbles measured in Black Rock Forest in New York (**poster**), *Fall meeting of the American Geophysical Union*, December 9-13, San Francisco, California, 2013.
 85. Kutter E, Yi C, **Hendrey GR**, Liu H, Eaton TT, Ni-Meister W. 2014. *Impacts of Recirculation on Biosphere-Atmosphere Interactions over Complex Terrain*. 31st Conference on Agricultural and Forest Meteorology 12 May –15 May 2014, Portland, OR (abstract)
 86. Yi C., Wei S, Jensen K, **Hendrey G**. 2014. *Global warming, land drying and terrestrial carbon sinks weakening*. 31st Conference on Agricultural and Forest Meteorology 12 May –15 May 2014, Portland, OR
 87. **Yi C**, Kutter E, Xu X, **Hendrey G**, Eaton TT, Liu H, Wang W. 2014. *Modeling and measuring turbulent recirculation bubbles over complex terrain: mixing mechanisms for forest-atmosphere exchanges*. 21st Symposium on Boundary Layers and Turbulence 9-13 June 2014, Leeds, United Kingdom.

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3. **Hendrey**, G.R. 1978 (abstract). Aquatic biological processes effected by acidification. Presented at the Sulfur Biogeochemistry Workshop, Oak Ridge National Laboratory, 1978.
4. **Hendrey**, G.R. 1980. Temporal perspective on acid deposition research. Testimony before the Subcommittee on Natural Resources Committee on Science and Technology, U.S. House of Representatives. BNL 28141.
5. **Hendrey**, G.R. (ed.) 1980. *Potential Environmental Problems of Photovoltaic Energy Technology*.

- Proceedings of a workshop held at Brookhaven National Laboratory, Upton, NY, June 1980. BNL 51431.
6. **Hendrey, G.R., A.J. Francis, and H. Quinby.** 1980. *Integrated lake watershed acidification study (ILWAS)*. BNL 28059.
 7. **Hendrey, G.R., E. Soffey, M. Shaffer, K. Baumgartner, and J. Tokos.** 1980. *Acid precipitation effects on phytoplankton in Adirondack mountain lakes*. BNL 27396.
 8. **Aber, J.D., G.R. Hendrey, D.B. Botkin, A.J. Francis, and J.M. Melillo.** 1980. Simulation of acid precipitation effects on soil, nitrogen and productivity in forest ecosystems. BNL 28658.
 9. **Conway, H.L., J. Tokos, and G.R. Hendrey,** 1981. The effect of acidification on the biomass and production of benthic algae in three Adirondack mountain lakes. Final Report to NYS-ERDA. BNL 30363.
 10. **Francis, A.J., H.L. Quinby, and G.R. Hendrey.** 1981. *Bacterial analysis of water and sediment samples*. BNL 51375.
 11. **Hendrey, G.R., L.S. Evans, and K.F. Lewin.** 1982. Advantages of continuing to use Brookhaven National Laboratory as an acid precipitation field test site. BNL 31294.
 12. **Hendrey, G.R., N.F. Gmur, and E.T. Balzer, Jr.** 1982. Transport, fate and effects of energy-related pollutants: Evaluation of surface and groundwaters. Third Progress Report. BNL 51631.
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 14. **Francis, A.J., G.R. Hendrey, and H.L. Quinby.** 1983. Allochthonous litter decomposition in three Adirondack lakes. Final report to EPRI. BNL 34553.
 15. **Hendrey, G.R.** 1983. *Acid deposition in New Jersey: Effects on surface waters and crops*. Presented to State of New Jersey, Governor's Science Advisory Committee, Public Hearing on the Effects of Acid Rain in New Jersey, October 17, 1983.
 16. **Hendrey, G.R., C.G. Hoogendyk, and N.F. Gmur.** 1984 (abstract). Assessment of temporal trends in the chemistry of surface waters of New England plus New York. Presented at the EPA/NCSU Acid Precipitation Program Review Meeting, Burlington, VT, February 13-17, 1984.
 17. **Hendrey, G.R.** 1984. Extensive, written review of the 1984 NAPAP Annual Meeting. Many of my comments were incorporated into the report. (Letter from Linthurst to **Hendrey**, 4/26/84.)
 18. **Francis, A.J., H.L. Quinby, G.R. Hendrey, and C.G. Hoogendyk.** 1983. *Leaf litter decomposition in three Adirondack lakes*. Lake George Symposium, Lake George, NY, April 9, 1983.
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 21. **Hendrey, G.R. and J.K. Robertson.** 1985 (abstract). *Geochemistry of Mt. Beacon Reservoir. New York*. BNL 36674. Presented at the Muskoka Conference, Lake Rosseau, Muskoka, Ontario, Canada, September 15-20, 1985.
 22. **Evans, L.S., K.F. Lewin, and G.R. Hendrey.** 1985. *Comparison of several cultivars of field-grown soybeans exposed to simulated acidic rainfalls*. Presented at the NAPAP Review Meeting, BNL, Upton, NY, Feb. 1985.
 23. **Hendrey, G.R., K.F. Lewin, Z. Kolber, D. Kolber, F.W. Lipfert, and M. Daum.** 1988. Field Performance Testing of a Free-Air Controlled Enrichment (FACE) System for the Regulation of Carbon Dioxide Concentrations in a Cotton Field at Yazoo City, MS. BNL 52194.
 24. **Hendrey, G., K. Lewin, Z. Kolber, and M. Daum.** 1989. *Control of Ozone Concentrations for Plant Effect Studies*. Report to the National Council of the Paper Industry for Air and Stream Improvement. BNL 43589.
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 27. **Hendrey, G., K. Lewin, and Z. Kolber.** 1990 (abstract). *Spatial Distribution of CO₂ Within the FACE Array*. Proc. Peer Review Meeting at the Beltwide Cotton Conference, Las Vegas, NV, January 11-15, 1990. BNL 44340.
 28. **Hendrey, G.R. and B. Kimball.** 1991. FACE Free-air carbon dioxide enrichment: application to field-grown cotton. Informal Report, BNL 46155, Dec. 1990.

29. Lewin, K.F., J. Nagy, and G.R. **Hendrey**. 1991. *FACE facility temporal performance in 1990*. Informal Report, BNL 46987, Aug. 1991.
30. Farrow, T., J. Nagy, K.L. Lewin, and G.R. **Hendrey**. 1992. Signal delay and time constant of the CO₂ concentration measurement system of the FACE experiment at Maricopa, AZ. Informal Report BNL 48282.
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38. **Hendrey, GR**. 1998. On the need for ECO, a hundred-million-dollar Environmental Carbon Observatory. DARE Developing an Agenda for Research on Ecosystems-- Brainstorming Workshop, May 15-19, 1998. E-Conference <http://minf.vub.ac.be/~dare/mon.s2.html>.
39. Karnosky, D., **Hendrey**, G., Pregitzer, and Isebrands, J.G. 1998. *The forest-atmospheric carbon transfer and storage-II (FACTS-II): Aspen FACE Project*. NCASI Project Report. Informal Report BNL 65308, Jan. 1998.
40. Heilman, Warren E., Ronald M. Teclaw, Jud G. Isebrands, David F. Karnosky, George R. **Hendrey**, and Kurt S. Pregitzer. 2000. Impacts of Elevated CO₂ and O₃ Concentrations on Forest Microclimates: Initial Observations From the FACTS-II Aspen FACE Facility. Proc. Air Pollution, Global Change and Forests in the New Millennium. The 19th International Meeting for Specialists in Air Pollution Effects on Forest Ecosystems, Houghton, Michigan USA (Abstract, p. 36).
41. Karnosky D., G. **Hendrey**, K. Pregitzer, K. Percy, and J.G. Isebrands. Impacts of Interacting Elevated CO₂ and O₃ on an Aggrading Forest: The Aspen FACE Project. FACE2000 Conference Tsukuba, Japan, June 2000. \
42. **Hendrey**, G, C. Potvin, H. Barnes, and H. Barrios. The FACTS-III/TropiFACE Experiment in Panama: Interactions of CO₂ Enhancement, Land Use and Biodiversity. FACE2000 Conf. Tsukuba, Japan, June 2000.
43. **Hendrey G. R.** A Physiological Basis for Quality Control Issues in FACE Experiments. FACE2000 Conference Tsukuba, Japan, June 2000.
44. **Hendrey GR**. The Role of Site-Specific Research in Anticipating Global Change. Topics in Atmospheric and Oceanic Sciences Seminar (Invited) April 17, 2002 Marine Sciences Research Center, State University of New York At Stony Brook.
45. Leclerc, M. Y., A. Karipot, T. Prabha, H. Loescher, G. **Hendrey**, K. Lewin, J. Nagy, H. L. Gholz, T. Martin, D. Baldocchi, D. Hollinger, M. Binford 2001. From Tower to Region Integration of Patch Size NEE using experimental and modeling footprint analysis. National Science Team Meeting, Argonne National Lab, Argonne, Il. Oct 29- Nov 2002. (Poster)
46. Lewin, K., J. Nagy, G. **Hendrey**, R. Dietz, M. Y. Leclerc and A. Karipot. 2001. A Real Time Wireless LAN System for Data Collection, Reduction and Internet Transmission. National Science Team Meeting. Argonne National Lab, Argonne, Il. Oct. 29-Nov. 2002. (Poster)
47. Leclerc, M. Y., G. **Hendrey**, and R. N. Dietz. 2001. Footprint Integration for AmeriFlux Towers. National Science Team Meeting. Argonne National Lab, Argonne, Il. Oct. 20-Nov. 2002. (Poster)
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49. **Hendrey, G.R.** Ecosystem Manipulation Experiments to Understand the Effects of Altered Atmospheric

- Chemistry -- Biogeochemical Experiments on Whole Ecosystems. Presented to School of Earth and Environmental Sciences, Queens College, CUNY. February, 2003 (Invited lecture).
50. **Hendrey, G.R.**, R. James and R.M. Reynolds. Urban Shield and the Urban Atmospheric Observatory Responding to Critical Needs of the NYC Office of Emergency Management. Presented to Workshop on Homeland Security Emergency Preparedness and Response. Battelle Eastern Science and Technology Center, Aberdeen, MD. March 2003.
 51. **Hendrey, G.R.** Research on CO₂ and Climate Change. Long Island Citizens Advisory Council, Brookhaven National Laboratory, April, 2003 (Invited lecture).
 52. Mitra, S., L. Wielopolski and **G. Hendrey**. 2003. Enhanced in situ soil carbon analysis using multiple detection system. DOE Terrestrial Carbon Processes annual meeting, Boulder CO, October 2003. (Poster)
 53. **Hendrey, G.R.** Predicting Some Consequences of Global Climate -- Understanding the Effects of Altered Atmospheric Chemistry. Public Science Lecture, aboard Explorer of the Seas April 2003.(Guest Lecturer).
 54. Wielopolski L, Mitra S, **Hendrey G**. 2003. Non-Invasive In-Situ Carbon Monitoring In Soil. Carbon Measurement and Monitoring Forum, October 15-17, 2003, Manhattan, Kansas. (Abstract).
 55. Wielopolski L, Mitra S, **Hendrey G**, Rogers H, Torbert A, Prior . 2003. Non-Destructive In situ Soil Carbon Analysis: Principle and Results. Second Ann. Conf. Carbon Sequestration. Alexandria, VA..
 56. **Hendrey, G.R.** Research on CO₂ and Climate Change. Fire Island National Seashore, USPS. August 2003. (Invited Lecture)
 57. **Hendrey, G.R.** (2004). Scientific progress due to FACE technology- over-arching results and caveats. Invited keynote lecture presented to: International Workshop on Short and Long-Term effects of Elevated Atmospheric CO₂ on Managed Ecosystems. 20-25 March 2004. Swiss Federal Institute of Technology, Monte Verità (Ascona), Switzerland. (Abstract)
 58. Leclerc, M.Y., D. Baldocchi, D. Hollinger, A. Karipot, R. Dietz, K. Lewin, J. Nagy and **G. Hendrey**. 2003. DOE-TCP Report on Activities Accomplished in 18 months of activity.
 59. Wielopolski L, Mitra S, **Hendrey G**, Orion I, Prior S, Rogers H, Runion B, Torbert A. 2004. *Non-Destructive Carbon Analyzer (ND-SCA) Progress Report*. BNL-72200-2004. Brookhaven National Laboratory, Upton NY 11973. 89pp.
 60. Wielopolski L, Mitra S, **Hendrey GR**, Oren R, Johnsen K (2005) In-field soil carbon determination using a noninvasive INS method in comparison with conventional soil cores and excavations. Brookhaven National Laboratory June 2005.
 61. Karnosky D.F., N.D. Nelson, Mark E. Kubiske, K.S. Pregitzer, **George R. Hendrey** and Kevin E. Percy. 2005. The Aspen FACE Project: Toward Understanding the Impacts of Atmospheric Change in Northern Forest Ecosystems. USFS/North Central Region, Environmental Assessment Meeting, Rhineland WI, 10 June 2005. (Poster).
 62. Wielopolski L., S. Mitra, K. Johnsen, F. Sanchez, A. Torbert, S. Prior, H. Rogers, J. Ma, **G. Hendrey**, and R. Oren (2005) A non-invasive method of detecting carbon in soil: comparison with soil cores and excavations. Presented to Fourth Annual Conference on Carbon Capture and Sequestration, May 2-5, 2005, Alexandria, VA. Article 56.
 63. Wielopolski L., S. Mitra, **G. Hendrey**, R. Oren, and K. Johnsen. 2005. In-field soil carbon determination using a non-invasive INS method in comparison with conventional soil cores and excavations. Brookhaven National Laboratory 2005. (manuscript & abstract.)
 64. **Hendrey GR** and Hendrey EF. 2005. CUNY Great Cities Institute: A concept for CUNY participation in the redevelopment of Governors Island.(White paper)
 65. **Hendrey GR**. 2006 Global Change and the Megacity. Public lecture, Governors island June 2006.
 66. **Hendrey GR**, Pekar S. 2007. Local Forecast: Bad. New York Times requested opinion article, May 6, 2007.
 67. **Hendrey GR**. 2007 Gotham's Future Climate. Invited lecture and panel discussion. Gotham Center for NYC History at the CUNY Graduate Center. April, 2007.
 68. WatsonTB, Dietz R, Wilke W, **Hendrey GR**, Lewin K,Nagy J, Leclerc M. 2007. *Florida Tower Footprint Experiments*. BNL-78032-2007 Brookhaven National Laboratory 25pp.
 69. **Hendrey GR**. 2007 *Design criteria for large-scale manipulation experiments*. International Workshop on FACEing the Future: Planning the Next Generation of Elevated CO₂ Experiments on Crops and Ecosystems. European Science Foundation, Interdisciplinary New Initiatives Fund. Academia Belgica, Rome, Italy, December 2007 (abstract)
 70. **Hendrey GR** 2007 *FACE Technology Summary*. International Workshop on FACEing the Future: Planning the Next Generation of Elevated CO₂ Experiments on Crops and Ecosystems. European Science Foundation, Interdisciplinary New Initiatives Fund. Academia Belgica, Rome, Italy, December 2007.
 71. **Hendrey GR**. 2007. *Time Is Running Out: A Worried View of the Future*. New York Academy of Science, Jan. 2008. <<http://www.nyas.org/ebriefreps/ebrief/000715/presentations/hendrey/player.html>>

72. Karnosky DF, **Hendrey GR**, Lewin K, Nagy J, Jones W, Sober J, Percy K.E. 2007 *The Aspen FACE CO₂ O₃ Fumigation System*. Facing The Future Workshop and: Joint Meeting of AspenFACE, SoyFACE, and SFB 607. Rhineland, WI, April 2008.
73. **Hendrey GR** 2008: A worried look at our future climate. Focus the Nation program, Queens College, January 2008
74. **Hendrey, G.R.** Climate change and your future. Queens Green Business Summit, February 2009.
75. Wolbeck J., **G.R. Hendrey**, C. Yi. 2009 A New Baby AmeriFlux Site (Black Rock Forest) Born to Study Complex Terrain. AmeriFlux Annual Meeting, Washington, October 2009.
76. **Hendrey GR**. "Project Engineering: Thinking in a Bigger Box." Invited lecture, CCNY October 2009.
77. **Hendrey, GR**. Session-III moderator, CISC Conference In the Wake of the Half Moon" November 2009.
78. **Hendrey G.** 2011: Is Nuclear Power a Long-Term Option for New York State? Hendrey organized and moderated this symposium at the New York Academy of Science, January 2011.
79. **Hendrey G.** 2011. Underestimating CO₂ Enrichment Effects on Net Photosynthesis: Error with the FACE system. (Invited Lecture) Feb.22, 2011. Lehigh University.
80. **Hendrey G.** A Practical, Economical & Scalable Process to Capture CO₂ from Flue Gas and Directly from the Atmosphere. (Invited Lecture) May 9, 2011. Lehigh University.
81. **Hendrey G.**, R. Polak and M. Steinberg. Extraction of CO₂ from the Atmosphere with the Coaway Process. Virgin Earth Challenge Top Work Meeting, PricewaterhouseCoopers LLP, London UK. October 26, 2011.
82. **Hendrey G., R. Polak** and M. Steinberg. Can carbon negativity reduce atmospheric CO₂? SEES Colloquium, Queens College, November 9, 2011
83. Knight A., D. Addison, G. Holmes, C. Gebald J. Wurzbacher, B.b Polak, **G. Hendrey**, M. Steinberg. "Virgin Earth Challenge." Gastech Conference and Exhibition, London, UK, October 2012.
84. **Hendrey G., R. Polak** and M. Steinberg. "Direct Air Capture of CO₂." Gastech Conference and Exhibition, London, UK, October 2012.
85. **Hendrey G., R. Polak** and M. Steinberg. "Direct Air Capture of CO₂: Solving a Problem for Profit." Symposium on Emerging Technologies to Reduce Greenhouse Gas Emissions," Calgary, Canada, November 2012.
86. Hendrey, Polak and Steinberg. Direct air capture of CO₂. Invited presentation at NYSERDA's Advanced Energy 2013 Conference, Javits Center, New York.