

June 18, 2008

Via Email
Original via Courier

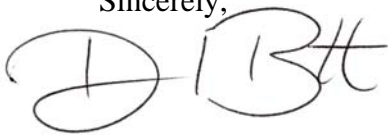
Ms. Erica M. Hamilton
Commission Secretary
BC Utilities Commission
Sixth Floor, 900 Howe Street, Box 250
Vancouver, BC V6Z 2N3

Dear Ms. Hamilton:

**Re: *An Application for a CPCN for the Okanagan Transmission Reinforcement (OTR)
Project No. 3698488***

Please find attached correspondence from FortisBC Inc.'s ("FortisBC") legal counsel regarding the composition of FortisBC's witness panel for the OTR Oral Public Hearing commencing Monday, June 23, 2008, as well as the curricula vitae of the panel members.

Sincerely,



David Bennett
Vice President, Regulatory Affairs
and General Counsel

cc: Registered Intervenors

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700 W Georgia St

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Reply Attention of: George K. Macintosh, Q.C.
Direct Dial Number: (604) 661-9332
Email Address: gmacintosh@farris.com

Our File No.: 05497-156

May 26, 2008

BY EMAIL

Boughton Law Corporation
Suite 700 - 595 Burrard Street
P.O. Box 49290
Vancouver, B.C.
V7X 1S8

Attention: Paul R. Miller

Dear Mr. Miller:

Re: FortisBC Inc. OTR Application

Fortis intends to have a single panel for the hearing on June 23 – 25.

The panel includes the following: Doyle Sam from Fortis, Gary Barnett and Gary Shtokalko from BC Hydro, Pierre Dufour and Paul Chernikhowsky both also from Fortis, and Steve Morck, Danny Grant and Dr. Bill Bailey.

Mr. Sam is the policy witness and will “chair” the panel. Messrs. Chernikhowsky, Shtokalko and Barnett address engineering matters and Mr. Dufour addresses public consultation and Fortis cost matters. Mr. Sam can also speak to Fortis cost matters. Steve Morck is an expert witness addressing primarily environmental matters. Danny Grant is an expert witness addressing property value and the task of assembling a right-of-way on the upland route. Dr. Bailey is an expert witness regarding E.M.F.

Because Fortis is the Applicant, I expect it will be asked to present its panel on the first day, June 23. One panel member, Dr. Bailey, is only available on Tuesday, June 24. Therefore, if the Fortis panel is continuing on June 24, I will simply ask that he be allowed to join the panel at that time. On the other hand, if the panel is otherwise concluded on June 23, I will ask that Dr. Bailey appear on June 24 along with three of the other members of the panel, all of whom have evidence which may be relevant to the E.M.F. issue. In other words, if the panel is completed on all topics other than E.M.F. on June 23, there will, in practical terms, be a dedicated E.M.F.

May 26, 2008

- 2 -

FARRIS

panel on June 24. In that case, the E.M.F. panel will probably include, in addition to Dr. Bailey, Doyle Sam, Paul Chernikhowsky and Gary Shtokalko.

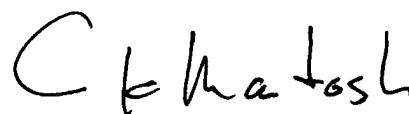
Fortis will provide the resumés for these witnesses in due course.

Please contact me if you have any questions arising from this letter.

Yours truly,

FARRIS, VAUGHAN, WILLS & MURPHY
LLP

Per:

A handwritten signature in black ink, appearing to read "G K Macintosh". The signature is written in a cursive, somewhat stylized font.

George K. Macintosh, Q.C.

GKM/lcb

Doyle Sam, P. Eng.
Vice President, Engineering and Operations
FortisBC Inc.

Doyle Sam is FortisBC's Vice President of Engineering and Operations, responsible for the planning, engineering, and daily operations of the generation, transmission and distribution systems.

Doyle joined FortisBC in 2003. From 1999 to 2002, Doyle served as General Manager for TransAlta Utilities responsible for all operations of a power generating station in Alberta. Prior to that, Doyle held a number of engineering, planning and project management positions within TransAlta Utilities' Transmission and Generation departments.

Doyle holds a Masters of Business Administration (2000) from Queens University and a Bachelor of Science in Civil Engineering (1989) from the University of Alberta. He is also a member of the Association of Professional Engineers, Geoscientists of British Columbia. He is also a member of the Association of Professional Engineers, Geologists and Geophysicists of Alberta.

Garry Barnett, AScT.
*Senior Technical Lead, Transmission Engineering -
BC Hydro*

Garry Barnett is a Senior Lead Technologist and is currently responsible for preparation and coordination of transmission engineering, construction and material procurement for the overhead transmission line elements of the Okanagan Transmission Reinforcement Project.

Garry has over 30 years experience with BC Hydro on numerous provincial and international transmission line projects for lines with voltages up to 500 kV from the definition phase through to construction.

Garry received his Technology Diploma in Civil and Structural Engineering at the British Columbia Institute of Technology, and is registered with the Applied Science Technologists and Technicians of British Columbia as an “Applied Science Technologist”.

Gary Shtokalko, PMP, P. Eng.

***Project Manager, Major Projects, Transmission Engineering
BC Hydro***

Gary Shtokalko is a Project Manager and is currently responsible for the project engineering, procurement and construction management services for the Okanagan Transmission Reinforcement Project.

Gary has 14 years experience in the electrical utility industry and has been with BC Hydro in a project management capacity since 2000. Between his first and current tenure at BC Hydro, Gary worked for 13 years, for the Greater Vancouver Regional District in the utilities project engineering, construction and operations groups.

Gary received his Bachelor of Applied Science in Electrical Engineering from the University of Saskatchewan. He is a member of the Association of Professional Engineers and Geoscientists of British Columbia, and of the Project Management Institute.

Pierre Dufour, CD, PMP, CTech
Manager, Okanagan Transmission Reinforcement (OTR) Project
FortisBC Inc.

Pierre Dufour is a Senior Project Manager and is currently responsible for the project management of the Okanagan Transmission Reinforcement Project.

Pierre has 14 years experience in the electrical utility industry and has been with FortisBC in a project management capacity since 2000. Prior to joining FortisBC Pierre worked for 6 years throughout the Canadian Arctic with the Northwest Territories Power Corporation's (NWTPC) Engineering Department in Hay River, NWT. Prior to NWTPC Pierre spent 18 years with the Canadian Armed Force's Military Engineering Branch at various locations throughout Canada.

Pierre completed a Construction Engineering Technology program through the Canadian Forces School of Military Engineering in Chilliwack BC and an Advanced Certificate in Project Management through the University of Toronto. He is a member of the Applied Science Technicians & Technologists of British Columbia, the Project Management Institute and the Canadian Military Engineers Association.

Paul Chernikhowsky, P. Eng.
Chief Planning Engineer
FortisBC Inc.

Paul Chernikhowsky is an electrical engineer with over 12 years of experience in electric utility power systems design, planning and operations.

As the Chief Planning Engineer for FortisBC, he is responsible for overall scope development and approval for all transmission and distribution projects. Prior to this, Paul was responsible for FortisBC's protection, control and telecommunications planning and design. Prior to working for FortisBC, Paul was employed by a consulting engineering firm which provided services to the mining and utility sector in British Columbia.

Paul has a Bachelor of Applied Science (1994) from the University of British Columbia. He is a member of the Association of Professional Engineers, Geoscientists of British Columbia and a Senior Member of the Institute of Electrical and Electronic Engineers (IEEE).

Steve Morck, P. Bio.

***Contract Environmental Project Manager,
Okanagan Transmission Reinforcement (OTR) Project
Elements Network Inc.***

Steve Morck is a Principal of Elements Network, contracted to BC Hydro and is currently responsible for the coordination and management of the environmental aspects of the Okanagan Transmission Reinforcement Project.

Steve has 30 years of environmental experience and has provided environmental assessment, mitigation and monitoring services to FortisBC on a number of projects including the South Okanagan (Vaseux Terminal Station) and Nk'Mip projects. Prior to forming and operating Elements Network Inc., he worked in various environmental roles including management for 18 years for the Nova group of companies. Steve also worked in earlier years in resource management agencies in Alberta, including the Alberta Forest Service and Alberta Environment.

Steve was instrumental in the development of stream bank reclamation techniques and winter construction soil conservation technology in the early 1980's. He has been responsible for the preparation of a wide range of environmental assessments of linear projects since 1980. Steve has worked with species at risk issues on several projects in the Okanagan, developing effective solutions for complex problems through consultative processes. He has a broad portfolio of environmental experience and was invited to participate in the development of selected federal and provincial (Alberta) regulatory guidelines.

Steve graduated from the University of Victoria with a B.Sc. in biology and has been a member in good standing with the Alberta Society of Professional Biologists since 1980.

QUALIFICATIONS OF DANNY R. GRANT

EDUCATION:

1. High School - Graduated from St. George's
Vancouver, B.C.
2. University and College:
 - a) Washington State University
Freshman year in Agricultural Economics
 - b) University of Hawaii
Sophomore year in Agricultural Economics
 - c) California State Polytechnic College
Graduated June 1967 with a Bachelor of Agricultural Science degree,
majoring in Agricultural Business Management

University Courses Included:

- California Real Estate Management
- Farm Appraisal
- Civil Engineering
- Forestry and Range Management
- Senior Thesis - Pasture Rental Values
- Point Reyes, California

PROFESSIONAL DESIGNATIONS:

- P.Ag. Professional Agrologist - Registered Agrologist
B.C. Institute of Agrologists
Member of Canadian Consulting Agrologists Association
- SR/WA Senior Member of the International Right of Way Association,
Awarded: October 15, 1979

ADDITIONAL COURSES:

- a) Appraisal I Successfully completed the American Institute of
Real Estate Appraisers' - Course I, Lincoln, Nebraska, 1968
- b) Appraisal II: Successfully completed the American Institute of
Real Estate Appraisers' - Course II, San Francisco, 1974
- c) Appraisal IV: Successfully completed the American Institute of
Real Estate Appraisers' Litigation Appraisal - San Diego, 1982

Cont'd...

Additional Courses Continued

- d) Appraisal V: Successfully completed the American Institute of Real Estate Appraisers' - Course V, Logan, Utah, 1968.
- e) Property Successfully completed the Institute of Management Real Estate Management Course I, Phoenix, Arizona, 1970.
- f) Right of Way: Completed International Right of Way Association courses:
 - 201 - Communication
 - 202 - Interpersonal Relations
 - 203 - Advanced Communications
 - 204 - Group Communications
 - 301 - Management of the Right of Way Organization
- g) Right of Way: Successfully completed Valuation International Right of Way Association Course - 401, Economics of Right of Way Valuation
- h) Commercial Arbitration: Attended Continuing Legal Education Society of British Columbia, Vancouver, May 1982

LICENSES FORMERLY HELD:

- 1) Alberta Real Estate Salesman - Mac Grant Realty Company Limited
- 2) California Real Estate Salesman - Weber Land Services

EXPERIENCE:

- 1) Contract Appraiser/Negotiator to B.C. Hydro, Arrow Lakes Project, 1967/68
- 2) Contract Right of Way Agent, Gulf Interstate Engineering, 1968
- 3) Appraiser - Weber Land Services, Santa Maria, California, 1968/69
- 4) Appraiser - Ronald D. Grant Limited Canada and Ronald D. Grant, M.A.I. Arroyo Grande, California
- 5) Senior Appraiser and Principal - Ronald D. Grant & Sons
Delta and Penticton, 1970/80
- 6) Senior Appraiser and Principal - Interwest Property Services Limited
1980 to Present

TEACHING:

- 1) Approved Instructor - International Right of Way Association
Courses 101 and 401

APPEARANCES IN ARBITRATIONS OR COURTS

1. Hildebrand v. Department of Highways - Arbitration
2. Cattermole v. Seabird Island Indian Band - Federal Court
3. Svec v. B.C. Hydro & Power Authority - B.C. County Court
4. City of Nelson v. Province of British Columbia - Arbitration
5. Kinjerski v. Royal Insurance Company - B.C. Supreme Court
6. Zak v. Grand Forks School District - Arbitration
7. Leeder v. Department of Highways - Arbitration
8. Weidman-Stone v. Provincial Department of Public Works - Arbitration
9. Lower Fraser Valley Exhibition Association v. District of Surrey - Arbitration
10. Noakes et al v. Province of British Columbia Parks -
Re: Midge Creek - B.C. Supreme Court
11. Westcoast Transmission v. B.C. Assessment Authority
Assessment Appeal Board
12. Lillian Mann v. District of Burnaby - Arbitration
13. McDanniels v. District of Coquitlam - Commissioner's Hearing
14. Lalji v. Lalji - Registrar's Hearing
15. Nash v. Ministry of Transportation and Highways - Arbitration
16. Foothills Pipeline (South B.C.) Limited v. Wallace - County Court
17. Kelly Douglas v. Charterhouse Investments - Arbitration
18. City of Castlegar v. Paulson, Lazareff & Polovejchuck - Commissioner's Hearing
19. Ministry of Highways v. Boxer Holdings - Arbitration
20. Foothills Pipeline (South B.C.) Limited v. Hubbard - County Court
21. Young v. Wolstencroft - Supreme Court of British Columbia
22. Farquharson Farms v. Ministry of Highways - Arbitration
23. City of Kamloops v. Sternig - Arbitration
24. City of Kamloops v. W.J. Ellis Company - Arbitration
25. Granite Developments v. Ministry of Highways - Arbitration
26. Virtue v. United Realty - Supreme Court of British Columbia
27. A.T.C.O. Lumber v. B.C. Hydro- Arbitration
28. Witke v. District of Surrey (Kwantlen College) - Arbitration

Arbitration Continued

29. B.C. Hydro v. Frolek Cattle Company - B.C. County Court
30. Mason v. District of Surrey - Arbitration
31. Winskill v. Revenue Canada - Federal Tax Court
32. Little Shuswap Property Owners v. Department of Indian Affairs
(Leighton v. The Queen) - Federal Court - B.C. Supreme Court
33. Kay Motors v. Canadian Imperial Bank of Commerce - B.C. Supreme Court
34. Desert Inn Restaurant v. Desert Inn Motel - Rent Arbitration
35. Kingsway Developments v. McDonald's Restaurants - Rent Arbitration
36. Calvary Temple v. City of Kamloops - Arbitration
37. Copper Beach Estates Limited v. Revenue Canada - Federal Tax Court
38. Lum v. Harman - B.C. Supreme Court
39. Ristad and Griffen v. Perry - B.C. Supreme Court
40. May Estate v. Ministry of Transportation and Highways
B.C. Expropriation Compensation Board
41. Neill v. Ministry of Transportation and Highways
B.C. Expropriation Compensation Board
42. Jespersen v. District of Chilliwack - B.C. Expropriation Compensation Board
43. 3400 Investments Limited v. Webb & Knapp Limited - Rent Arbitration
44. Reimer Mobile Homes Limited v. District of Chilliwack
B.C. Expropriation Compensation Board
45. Kelly Douglas & Company, Limited v. 331750 B.C. Limited
d/b/a Maple Leaf Property Management Incorporated - Rent Arbitration
46. Corner's Pride Farms Limited v. Ministry of Transportation and Highways
47. Branscombe v. Ministry of Transportation and Highways
B.C. Expropriation Compensation Board
48. Devick v. Ministry of Transportation and Highways
B.C. Expropriation Compensation Board
49. Grove Crest Farms Limited v. Revenue Canada - Federal Tax Court
50. Shell Oil Limited v. Ministry of Transportation and Highways
B.C. Expropriation Compensation Board
51. L.A. Fischer v. Windermere School District - Expropriation - Single Arbitrator

Arbitration Continued

52. McPhail v. District of Surrey - B.C. Expropriation Compensation Board
53. McCullough v. Prost - Commercial Arbitration - Re: Purchase Option
54. MOTH v. Payless - B.C. Expropriation Compensation Board
55. MOTH v. Hertel - B.C. Expropriation Compensation Board
56. Creston v. Ingham - B.C. Expropriation Compensation Board
57. Creston v. Kowalski - B.C. Expropriation Compensation Board
58. Creston v. Jamieson - B.C. Expropriation Compensation Board
59. Richmond v. River Properties - Expropriation - Single Arbitrator
60. Blackwell Stores v. Naramata Irrigation District
61. Musqueam Indian Band v. Glass et al., Federal Court
62. Reti v. Sicamous - B.C. Expropriation Compensation Board
63. Concord v. Henderson - Single Arbitrator
64. Boundary Bay Airport - B.C. Assessment Appeal Board.
65. C.B. Lanac v. Windermere School District, Misrepresentation
66. Glendale Trading v. MOTH, B.C. Expropriation Compensation Board
67. Maddocks Farms v Surrey, B.C. Expropriation Compensation Board
68. Wozny v. City of Richmond, Expropriation - Single Arbitrator
69. Farrell Estates - B.C. Assessment Appeal Board
70. Fredericks v. Ministry of Transportation
71. Clements, Penfold, Ferguson, Potter, James v. City of Penticton,
72. B.C. Expropriation Compensation Board
Chivers v. Ministry of Transportation, B.C. Expropriation Compensation Board
73. Fritz v. Sicamous, B.C. Expropriation Compensation Board
74. Country Park Leaseholder v. Country Park Village – Federal Court
75. Federicos Rent review – Arbitration
76. Golden Valley v. Ministry of Transportation and Highways
77. Kluane Wilderness Lodge v. Miller, B.C. Expropriation Compensation Board



William H. Bailey, Ph.D.
Principal Scientist and Director, New York Office

Professional Profile

Dr. William H. Bailey is a Principal Scientist in Exponent's Health Sciences practice and Director of the New York office. Before joining Exponent, Dr. Bailey was President of Bailey Research Associates, Inc., the oldest research and consulting firm with specialized expertise in electromagnetic fields and health. Dr. Bailey specializes in applying state-of-the-art assessment methods to environmental and occupational health issues. His 30 years of training and experience include laboratory and epidemiologic research, health risk assessment, and comprehensive exposure analysis. He is particularly well known for his research on potential health effects of electromagnetic fields and has served as an advisor to numerous state, federal, and international agencies. Dr. Bailey has investigated exposures to alternating current (ac), direct current (dc), and radiofrequency electromagnetic fields, 'stray voltage' and electrical shock, as well as to a variety of chemical agents and air pollutants. Currently, he is directing research projects on effects of electrical charge on the deposition of aerosols in the respiratory tract. He is a member of a working group that advises a committee of the World Health Organization on risk assessment, perception, and communication. Dr. Bailey is a visiting scientist at the Cornell University Medical College and has lectured at Rutgers University, the University of Texas (San Antonio), and the Harvard School of Public Health. He was formerly Head of the Laboratory of Neuropharmacology and Environmental Toxicology at the New York State Institute for Basic Research, Staten Island, New York, and an Assistant Professor and NIH postdoctoral fellow in Neurochemistry at The Rockefeller University in New York.

Credentials and Professional Honors

Ph.D., Neuropsychology, City University of New York, 1975

M.B.A., University of Chicago, 1969

B.A., Dartmouth College, 1966

Sigma Xi; The Institute of Electrical and Electronics Engineers/International Committee on Electromagnetic Safety (Subcommittee 3, Safety Levels with Respect to Human Exposure to Fields (0 to -3 kHz) and Subcommittee 4, Safety Levels with Respect to Human Exposure to Radiofrequency Fields (3 kHz to 3 GHz); Elected member of the Committee on Man and Radiation (COMAR) of the IEEE Engineering in Medicine and Biology Society (1998-present); Invited Speaker, First Institute of Neurological Sciences Symposium in Neurobiology, University of Pennsylvania (1980); Invited Speaker, National Heart and Lung Institute (1977).

Publications

Bailey, WH, Nyenhuis, JA. Thresholds for 60-Hz magnetic field stimulation of peripheral nerves in human subjects. *Bioelectromagnetics* (in press).

Bracken TD, Senior RS, Bailey WH. DC electric fields from corona-generated space charge near AC transmission lines. *IEEE Transactions on Power Delivery* (in press).

Bailey WH. Dealing with uncertainty in formulating occupational and public exposure limits. *Health Phys* 2002; 83: 402–408.

Bailey WH. Health effects relevant to the setting of EMF exposure limits. *Health Phys* 2002; 83:376–386.

Kavet R, Stuchly MA, Bailey WH, Bracken TD. Evaluation of biological effects, dosimetric models, and exposure assessment related to ELF electric- and magnetic-field guidelines. *Applied Occupational and Environmental Hygiene*; 2001; 16:1118–1138.

Bailey WH. ICNIRP recommendation for limiting public exposure to 4 Hz–1 kHz electric and magnetic fields. *Health Phys* 1999; 77:97–98.

Bailey WH. Principles of risk assessment with application to current EMF risk communication issues. In: *EMF Risk Perception and Communication*, Repacholi MH, Muc, AM (eds.), World Health Organization, Geneva, 1999.

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Bailey WH. Field parameters. *Proc. EMF Engineering Review Symposium, Status and Summary of EMF Engineering Research*, Bracken TD, Montgomery JH (eds.), Oak Ridge National Laboratory, Oak Ridge, TN, April 28–29, 1998.

Bailey WH. Policy implications. *Proceedings, EMF Engineering Review Symposium, Status and Summary of EMF Engineering Research*, Bracken TD, Montgomery JH (eds.), Oak Ridge National Laboratory, Oak Ridge, TN, April 28–29, 1998.

Bailey WH. Probabilistic approaches to deriving risk-based exposure guidelines: application to extremely low frequency magnetic fields. In: *Non-Ionising Radiation*, Dennis JA and Stather JW (eds.), *Special Issue of Radiation Protection Dosimetry* 1997; 72:327–336.

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Blondin J-P, Nguyen D-H, Sbeghen J, Goulet D, Cardinal C, Maruvada P-S, Plante M, and Bailey WH. Human perception of electric fields and ion currents associated with high voltage DC transmission lines. *Bioelectromagnetics* 1996; 17:230–241.

Bailey WH, Charry JM. Acute exposure of rats to air ions: effects on the regional concentration and utilization of serotonin in brain. *Bioelectromagnetics* 1987; 8:173–181.

Bailey WH, Charry JM. Measurement of neurotransmitter release and utilization in selected brain regions of rats exposed to dc electric fields and atmospheric space charge. *Proceedings, Twenty-Third Hanford Life Sciences Symposium, Interaction of Biological Systems with Static and ELF Electric and Magnetic Fields*, 1987.

Pavildes C, Aoki C, Chen J-S, Bailey WH, Winson J. Differential glucose utilization in the parafascicular region during slow-wave sleep, the still-alert state and locomotion. *Brain Res* 1987; 423:399–402.

Bailey WH, Charry JM. Behavioral monitoring of rats during exposure to air ions and DC electric fields. *Bioelectromagnetics* 1986; 7:329–339.

Charry JM, Shapiro MH, Bailey WH, Weiss JM. Ion-exposure chambers for small animals. *Bioelectromagnetics* 1986; 7:1–11.

Charry JM, Bailey WH. Regional turnover of norepinephrine and dopamine in rat brain following acute exposure to air ions. *Bioelectromagnetics* 1985; 6:415–425.

Bracken TD, Bailey WH, Charry JM. Evaluation of the DC electrical environment in proximity to VDTs. *J Environ Sci Health Part A* 1985; 20:745–780.

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Bailey WH. Biological effects of air ions on serotonin metabolism: fact and fancy. In: Conference on Environmental Ions and Related Biological Effects, pp. 90–120, Charry JM (ed.), American Institute of Medical Climatology, Philadelphia, PA, 1982.

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Pohorecky LA, Newman B, Sun J, Bailey WH. Acute and chronic ethanol injection and serotonin metabolism in rat brain. *J Pharmacol Exper Therap* 1978; 204:424–432.

Koh SD, Vernon M, Bailey WH. Free-recall learning of word lists by prelingual deaf subjects. *J Verbal Learning and Verbal Behavior* 1971; 10:542–574.

Book Chapters

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Reports

Johnson, GB, Bracken, TD, Bailey, WH. Charging and transport of aerosols near AC transmission lines: a literature review. EPRI, Palo Alto, CA, 2003.

Bailey WH. Probabilistic approach to ranking sources of uncertainty in ELF magnetic-field exposure limits. In: Evaluation of Occupational Magnetic Exposure Guidelines, Interim Report, EPRI Report TR-111501, 1998.

Bailey WH, Weil DE, Stewart JR. HVDC Power Transmission Environmental Issues Review. Oak Ridge National Laboratory, Oak Ridge, TN, 1997.

Bailey, WH. Melatonin responses to EMF. In: Proc. Health Implications of EMF Neural Effects Workshop, Report TR-104327s, Electric Power Research Institute, 1994.

Bailey, WH. Recent neurobiological and behavioral research: overview of the New York State powerlines project. In: Power-Frequency Electric and Magnetic Field Research, Electric Power Research Institute, 1989.

Bailey WH, Bissell M, Dorn CR, Hoppel WA, Sheppard AR, Stebbings, JH. Comments of the MEQB Science Advisors on Electrical Environment Outside the Right of Way of CU-TR-1, Report 5. Science Advisor Reports to the Minnesota Environmental Quality Board, 1986.

Bailey WH, Bissell M, Brambl RM, Dorn CR, Hoppel WA, Sheppard AR, Stebbings JH. A Health and Safety Evaluation of the +/- 400 KV Powerline. Science Advisor's Report to the Minnesota Environmental Quality Board, 1982.

Charry JM, Bailey WH, Weiss JM. Critical Annotated Bibliographical Review of Air Ion Effects on Biology and Behavior. Rockefeller University, New York, NY, 1982.

Bailey WH. Avoidance Behavior in Rats with Hereditary Hypothalamic Diabetes Insipidus. Dissertation, City University of New York, 1975.

Presentations

Bailey, WH. Assessment of potential environmental effects of electromagnetic fields from submarine cables. Connecticut Academy of Science and Engineering, Long Island Sound Bottomlands Symposium: Study of Benthic Habitats, July 2004.

Bailey, WH, Bracken, TD, Senior, RS. Long-term monitoring of static electric field and space charge near AC transmission Lines. The Bioelectromagnetics Society, 26th Annual Meeting, Washington, DC, June 2004.

Bailey, WH, Erdreich, L, Waller, L, Mariano, K. Childhood leukemia in relation to 25-Hz and 60-Hz magnetic fields along the Washington DC—Boston rail line. Society for Epidemiologic Research, 35th Annual Meeting, Palm Desert CA, June 2002. American Journal of Epidemiology. 155:S38, 2002.

De Santo, RS, Coe, M, Bailey, WH. Environmental justice assessment and the use of GIS tools and methods. National Association of Environmental Professionals, 27th Annual Conference, Dearborn, MI, June 2002.

Bailey WH. Applications to enhance safety: research to understand and control potential risks. Human Factors and Safety Research, Volpe National Transportation Systems Center/Dutch Ministry of Transport, Cambridge, MA, November 2000.

Bailey WH. EMF health effects review. EMF Exposure Guideline Workshop, Brussels Belgium, June 2000.

Bailey WH. Dealing with uncertainty when formulating guidelines. EMF Exposure Guideline Workshop, Brussels Belgium, June 2000.

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Bailey WH. Principles of risk assessment: application to current issues. Symposium on EMF Risk Perception and Communication, World Health Organization, Ottawa, Canada, August 1998.

Erdreich L, Klauenberg BJ, Bailey WH, Murphy MR. Comparing radiofrequency standards around the world. Health Physics Society 43rd Annual Meeting, Minneapolis, MN, July 1998.

Bailey WH. Current guidelines for occupational exposure to power frequency magnetic fields. EPRI EMF Seminar, New Research Horizons, March 1997.

Bailey WH. Methods to assess potential health risks of cell telephone electromagnetic fields. IBC Conference—Cell Telephones: Is there a Health Risk? Washington, DC, June 1997.

Bailey WH. Principles of risk assessment and their limitations. Symposium on Risk Perception, Risk Communication and its Application to EMF Exposure, International Commission on Non-Ionizing Radiation Protection, Vienna, Austria, October 1997.

Bailey WH. Probabilistic approach for setting guidelines to limit induction effects. IEEE Standards Coordinating Committee 28: Non-Ionizing Radiation, Subcommittee 3 (0–3 kHz), June 1997.

Bracken TD, Senior RS, Rankin RF, Bailey WH, Kavet R. Relevance of occupational guidelines to utility worker magnetic-field exposures. Second World Congress for Electricity and Magnetism in Biology and Medicine, Bologna, Italy, June 1997.

Bailey WH. Epidemiology and experimental studies. American Industrial Hygiene Conference, Washington, DC, May 1996.

Bailey WH. Power frequency field exposure guidelines. IEEE Standards Coordinating Committee 28: Non-Ionizing Radiation, Subcommittee 3 (0–3 kHz), June 1996.

Weil DE, Erdreich LS, Bailey WH. Are 60-Hz magnetic fields cancer causing agents? Mechanisms and Prevention of Environmentally Caused Cancers, The Lovelace Institutes 1995 Annual Symposium, La Fonda, Santa Fe, NM, October 1995.

Bailey WH. Neurobiological research on extremely-low-frequency electric and magnetic fields: a review to guide future research. Sixteenth Annual Meeting of the Bioelectromagnetics Society, Copenhagen, Denmark, June 1994.

Blondin J-P, Nguyen D-H, Sbeghen J, Maruvada PS, Plante M, Bailey WH, Goulet D. The perception of DC electric fields and ion currents in human observers. Annual Meeting of the Canadian Psychological Association, Penticton, British Columbia, Canada, June 1994.

Erdreich LS, Bailey WH, Weil DE. Science, standards and public policy challenges for ELF fields. American Public Health Association 122nd Annual Meeting, Washington, DC, October 1994.

Bailey WH. Review of 60 Hz epidemiology studies. EMF Workshop, Canadian Radiation Protection Association, Ontario, Canada, June 1993.

Bailey WH. Biological and health research on electric and magnetic fields. American Industrial Hygiene Association, Fredrickton, New Brunswick, Canada, October 1992.

Bailey WH. Electromagnetic fields and health. Institute of Electrical and Electronics Engineers, Bethlehem, PA, January 1992.

Bailey WH, Charry JM. Particle deposition on simulated VDT operators: influence of DC electric fields. Tenth Annual Meeting of the Bioelectromagnetics Society, June 1988.

Charry JM, Bailey WH. Contribution of charge on VDTs and simulated VDT operators to DC electric fields at facial surfaces. Tenth Annual Meeting of the Bioelectromagnetics Society, June 1988.

Bailey WH, Charry, JM. Dosimetric response of rats to small air ions: importance of relative humidity. EPRI/DOE Contractors Review, November 1986.

Charry JM, Bailey WH, Bracken TD. DC electric fields, air ions and respirable particulate levels in proximity to VDTs. International Conference on VDTs and Health, Stockholm, Sweden, June 12–15 1986.

Charry JM, Bailey WH. Air ion and DC field strengths at 10^4 ions/cm³ in the Rockefeller University Small Animal Exposure Chambers. EPRI/DOE Contractors Review, November 1985.

Charry JM, Bailey WH. DC Electrical environment in proximity to VDTs. Seventh Annual Meeting of the Bioelectromagnetics Society, June 1985.

Bailey WH, Collins RL, Lahita RG. Cerebral lateralization: association with serum antibodies to DNA in selected bred mouse lines. Society for Neuroscience, 1985.

Kavet R, Bailey WH, Charry JM. Respiratory neuroendocrine cells: a plausible site for air ion effects. Seventh Annual Meeting of The Bioelectromagnetics Society, June 1985.

Bailey WH, Charry JM. Measurement of neurotransmitter release and utilization in selected brain regions of rats exposed to DC electric fields and atmospheric space charge. Twenty-third Hanford Life Sciences Symposium, Richland, WA, October 1984.

Bailey WH, Charry JM, Weiss JM, Cardle K, Shapiro M. Regional analysis of biogenic amine turnover in rat brain after exposure to electrically charged air molecules (air ions). Society for Neuroscience, 1983.

Bailey WH. Biological effects of air ions: fact and fancy. American Institute of Medical Climatology Conference on Environmental Ions and Related Biological Effects, October 1982.

Goodman PA, Weiss JM, Hoffman LJ, Ambrose MJ, Bailey WH, Charry, JM. Reversal of behavioral depression by infusion of an A2 adrenergic agonist into the locus coeruleus. Society for Neuroscience, November 1982.

Charry JM, Bailey WH. Biochemical and behavioral effects of small air ions. Electric Power Research Institute Workshop, April 1981.

Bailey WH, Alonson DR, Weiss JM, Chin S. Predictability: a psychological/ behavioral variable affecting stress-induced myocardial pathology in the rat. Society for Neuroscience, November 1980.

Salman SL, Weiss JM, Bailey WH, Joh TH. Relationship between endogenous brain tyrosine hydroxylase and social behavior of rats. Society of Neuroscience, November 1980.

Bailey WH, Maclusky S. Appearance of creatine kinase isoenzymes in rat plasma following myocardial injury produced by isoproterenol. Fed Assoc Soc Exp Biol, April 1978.

Bailey WH, Maclusky S. Appearance of creatine kinase isoenzymes in rat plasma following myocardial injury by isoproterenol. *Fed Proc* 1978; 37:889.

Bailey WH, Weiss JM. Psychological factors in experimental heart pathology. Visiting Scholar Presentation, National Heart Lung and Blood Institute, March 1977.

Bailey WH, Weiss JM. Effect of ACTH 4-10 on passive avoidance of rats lacking vasopressin (Brattleboro strain). Eastern Psychological Association, April 1976.

Research Appointments

- Visiting Fellow, Department of Pharmacology, Cornell University Medical College, New York, NY (1986–present)
- Visiting Scientist, The Jackson Laboratory, Bar Harbor, ME (1984–1985)
- Head, Laboratory of Neuropharmacology and Environmental Toxicology, NYS Institute for Basic Research in Developmental Disabilities, Staten Island, NY (1983–1987)
- Assistant Professor, The Rockefeller University, New York, NY (1976–1983)
- Postdoctoral Fellow, Neurochemistry, The Rockefeller University, New York, NY (1974–1976)
- Dissertation Research, The Rockefeller University, New York, NY (1972–1974)
- CUNY Research Fellow, Dept. of Psychology, Queens College, City University of New York, Flushing, NY (1969–1971)
- Clinical Research Assistant, Department of Psychiatry, University of Chicago; Psychiatric Psychosomatic Inst., Michael Reese Hospital, and Illinois State Psychiatric Inst, Chicago, IL (1968–1969)

Teaching Appointments

- Lecturer, University of Texas Health Science Center, Center for Environmental Radiation Toxicology, San Antonio, TX (1998)
- Lecturer, Harvard School of Public Health, Office of Continuing Education, Boston, MA (1995, 1997)
- Lecturer, Rutgers University, Office of Continuing Education, New Brunswick, NJ (1991–1995)
- Adjunct Assistant Professor, Queens College, CUNY, Flushing, NY (1978)

- Lecturer, Queens College, CUNY, Flushing, NY (1969–1974)

Advisory Positions

- National Institute of Environmental Health Sciences/ National Institutes of Health, Review Committee, Neurotoxicology, Superfund Hazardous Substances Basic Research and Training Program (2004)
- National Institute of Environmental Health Sciences, Review Committee Role of Air Pollutants in Cardiovascular Disease (2004)
- Working Group on Non-Ionizing Radiation, Static and Extremely Low-Frequency Electromagnetic Fields, International Agency for Research on Cancer (2000–2002)
- Working Group, EMF Risk Perception and Communication, World Health Organization (1998–present)
- Associate Editor, Non-Ionizing Radiation, *Health Physics* (1996–present)
- Member, International Committee on Electromagnetic Safety, Subcommittee 3 - Safety Levels with Respect to Human Exposure to Fields (0 to 3 kHz) and Subcommittee 4 - Safety Levels with Respect to Human Exposure (3kHz to 3GHz) Institute of Electrical and Electronics Engineers (IEEE) (1996–present)
- Invited participant, National Institute of Environmental Health Sciences EMF Science Review Symposium: Clinical and *In Vivo* Laboratory Findings (1998)
- Working Group, EMF Risk Perception and Communication, International Commission on Non-Ionizing Radiation Protection (1997)
- U.S. Department of Energy, RAPID EMF Engineering Review (1997)
- Oak Ridge National Laboratory (1996)
- American Arbitration Association International Center for Dispute Resolution (1995–1996)
- U.S. Department of Energy (1995)
- National Institute for Occupational Safety and Health (1994–1995)
- Federal Rail Administration (1993–1996)
- U.S. Forest Service (1993)
- New York State Department of Environmental Conservation (1993)

- National Science Foundation
- National Institutes of Health, Special Study Section—Electromagnetics (1991–1993)
- Maryland Public Service Commission and Maryland Department of Natural Resources, Scientific Advisor on health issues pertaining to HVAC Transmission Lines (1988–1989)
- Scientific advisor on biological aspects of electromagnetic fields, Electric Power Research Institute, Palo Alto, CA (1985–1989)
- U.S. Public Health Service, NIMH: Psychopharmacology and Neuropsychology Review Committee (1984)
- Consultant on biochemical analysis, Colgan Institute of Nutritional Science, Carlsbad, CA (1982–1983)
- Behavioral Medicine Abstracts, Editor, animal behavior and physiology (1981–1983)
- Consultant on biological and behavioral effects of high-voltage DC transmission lines, Vermont Department of Public Service, Montpelier, VT (1981–1982)
- Scientific advisory committee on health and safety effects of a high-voltage DC transmission line, Minnesota Environmental Quality Board, St. Paul, MN (1981–1982)
- Consultant on biochemical diagnostics, Biokinetix Corp., Stamford, CT (1978–1980)

Professional Affiliations

- The Health Physics Society (Affiliate of the International Radiation Protection Society)
- Society for Risk Analysis
- New York Academy of Sciences
- American Association for the Advancement of Science
- Air and Waste Management Association
- Society for Neuroscience/International Brain Research Organization
- Bioelectromagnetics Society
- The Institute of Electrical and Electronics Engineers/Engineering in Medicine and Biology Society