



CURRICULUM VITAE

GRAHAM E.C. BELL, Ph.D., P.E.

gbell@schiffassociates.com

PROFESSIONAL REGISTRATIONS AND CERTIFICATIONS

Professional Engineer - State of California - Corrosion - 1994
Professional Engineer - State of Tennessee - Mechanical - 1993
Professional Engineer - State of Nevada - Mechanical – 1996
Professional Engineer - State of Arizona - Mechanical – 1998
NACE International Certificated Cathodic Protection Specialist - 1996
NACE International Certificated Corrosion Specialist P - 1996

EDUCATION

Doctor of Philosophy (1988)

Nuclear Engineering
Mechanical, Aerospace and Nuclear Engineering Department
University of California, Los Angeles

Master of Science (1983)

Engineering
Chemical, Nuclear and Thermal Engineering Department
University of California, Los Angeles

Bachelor of Science, Magna cum Laude (1981)

Engineering
School of Engineering and Applied Science
University of California, Los Angeles

PROFESSIONAL EXPERIENCE

Principal and President (1993 to present)

M.J. Schiff & Associates, Inc.

Responsible for conducting and managing technical projects related to corrosion and corrosion control. Design and testing of cathodic protection and other corrosion control measures for water and waste water treatment plant equipment, oil & gas pipelines, water storage tanks, hydraulic elevator cylinders, buried fuel tanks, etc. Consulting and expert witness services involving failure analysis of internal and external corrosion problems on steel, stainless steel, copper, copper-nickel alloys, galvanized steel, and ductile iron.



Managing Director (1993 to present)

Bell Geochemistry and Bell Geochemistry Inc. (up until 1997)

Managing Principal responsible for technical projects, administration, and new business development for analytical laboratory specializing in chemical analyses of soil and water.

Staff Member (1990 to 1993)

Metals & Ceramics Division
Oak Ridge National Laboratory
Martin Marietta Energy Systems, Inc.

Principal investigator in studies of irradiation assisted stress corrosion cracking of austenitic stainless steels, material selection and design and failure analysis for nuclear reactor components.

Post Doctoral Researcher (1989)

Oak Ridge Associated Universities
Metals & Ceramics Division
Oak Ridge National Laboratory

Principal investigator on research project for new purification methods for alkali metals. Participant in studies of irradiation assisted stress corrosion cracking of austenitic stainless steels and hydrogen effects of refractory alloys.

Part-time Consultant (1988)

Metals & Ceramics Division
Oak Ridge National Laboratory

Planned and supervised experiments pertaining to the purification of lithium at low temperatures for the space nuclear power program.

Visiting Laboratory Graduate Researcher (1986 to 1988)

Metals & Ceramics Division
Oak Ridge National Laboratory

Graduate student researcher responsible for design, construction and safe operations of mass transfer/corrosion experiments in lithium/Fe-12Cr1-MoVW steel systems.

Member of the Technical Staff (1983 to 1988)

Space and Technology Group
TRW Incorporated

System design engineer responsible for thermal hydraulic analysis, integration of components and conceptual design for advanced energy technology systems (e.g. geothermal and ocean



thermal energy conversion power plant design, plasma separation process for uranium enrichment, fusion test reactor design).

Post Graduate Research Engineer III (1982 to 1986)

University of California, Los Angeles

Conducted research to define and analyze the experimental and analytical modeling needs for fusion nuclear technology.

Field Engineer (1977 to 1982)

M.J. Schiff & Associates

Field engineer responsible for collecting and analyzing field corrosion data related to the determination of soil corrosivity and design of cathodic protection systems for engineering structures.

Reactor Engineer (1982)

Connecticut Yankee atomic Power Company

Engineer responsible for collecting, analyzing and reporting data on operation of 600 MWe pressurized water reactor to Nuclear Regulatory Commission.

Reactor Operator (1982-84)

University of California, Los Angeles

Operator responsible for the safe start-up, operation and shut-down of 100 kWt Argonaut research reactor.

CHAIRMANSHIPS AND AWARDS

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| 2005-07 | Vice Chair of NACE International Task Group on Corrosion of Concrete Pipe |
| 2003-06 | Chairman of American Water Works Association (AWWA) Committee 519 on Corrosion |
| 2002 | Engineer of the Year - NACE International Western Area |
| 2002 | Program Chairman for NACE International Western Area Conference |
| 2001 | Chairman of Technical Review Panel for Hanford Site High Level Waste Storage Tank Corrosion Monitoring Program for U.S. Department of Energy |
| 2001 | Chairman, Task Group T-3L-15, Electrochemical Noise Symposium, NACE International |
| 1993-2005 | Chairman 2001, Board of Directors, Los Angeles Section, NACE International. |



- 1999-2001 Chairman, Task Group T-7G-6, Corrosion in Fire Protection Systems, NACE International
- 1997-98 Chairman, Task Group T-3L-15, Electrochemical Noise, NACE International
- 1997-98 Chairman, Unit Committee T-2A, Corrosion in Nuclear Systems, NACE International
- 1994-98 Chairman, Task Group T-10A-21, Corrosion of Cast and Ductile Iron Pipe, NACE International
- Chairman, Sensor and Instrumentation Session, Golden Gate Materials and Welding Conference
- 1993 Chairman, Corrosion of Materials in Nuclear Systems at Symposium, CORROSION/93
- 1992 Vice-Chairman, Corrosion of Materials in Nuclear Systems Symposium, CORROSION/92.
- 1988 Oak Ridge Associated Universities Laboratory Fellowship
- 1986 TRW Doctoral Fellowship
- 1984 Southern California Edison Doctoral Fellowship
- 1982 Institute of Nuclear Power Operators Masters Fellowship
- 1977 Bank of America Achievement Award in Mathematics

PUBLICATIONS

1. J. Galleher, G.E.C. Bell, A. Romer, "Direct Comparison of Two Electromagnetic Techniques to Determine the Physical Condition of PCCP," accepted for publication at ASCE Pipeline Conference, Houston, TX. August 2005
2. J. Villalobos and G.E.C. Bell, Corrosion and Corrosion Control for Wastewater Treatment Plants, ASM International, Volume 13B: Corrosion, Accepted for publication in 2005.
3. A.E. Romer, G.E.C. Bell, S.J. Duranceau, and P.S. Foreman. External Corrosion and Corrosion Control of Buried Water Mains. AWWA Research Foundation. Denver, CO 2004.
4. S.J. Duranceau, D. Townley and G.E.C. Bell. Optimizing Corrosion Control in Water Distribution Systems. AWWA Research Foundation. Denver, CO. 2004.
5. G.E.C. Bell and A.E. Romer, Making "Baggies" Work for Ductile Iron Pipe, Advances in Pipeline Engineering and Construction, American Society of Civil Engineers, San Diego, CA, Submitted for publication, August 2004.



6. J. Aranda, D. R. Kendall, S. Mulligan, G.E.C. Bell, Kristine McCaffrey, Managing Corrosion Testing and Monitoring in a Large Diameter Pipeline System, Advances in Pipeline Engineering and Construction, American Society of Civil Engineers, San Diego, CA, Submitted for publication, August 2004.
7. G.E.C. Bell and S.J. Duranceau, "Grounding and Electrical Properties of Services Can Affect Water Quality," J.AWWA June 2002.
8. G.E.C. Bell and A. E. Romer, "Solutions to External Corrosion on Buried Water Mains," Proc. Advances in Pipeline Engineering and Construction, American Society of Civil Engineers, 2001.
9. A. E. Romer and G.E.C. Bell, "Causes of External Corrosion on Buried Water Mains," Proc. Advances in Pipeline Engineering and Construction, American Society of Civil Engineers, 2001.
10. G.E.C. Bell, R. Kendall and S. Mulligan, "An Assessment/Reliability Program for PCCP," Proc. Advances in Pipeline Engineering and Construction, American Society of Civil Engineers, 2001.
11. G.E.C. Bell, L.M. Rosenthal, and K. Lawson, "Electrochemical Noise Corrosion Monitoring Field Trial," CORROSION/00, March 2000, Orlando, FL, Paper No. 412.
12. K. Lawson, G.E.C. Bell, G.L. Edgemon, "Integrity Management Utilizing Electrochemical Noise," CORROSION/00, March 2000, Orlando, FL, Paper No. 421.
13. G.L. Edgemon, G.E.C. Bell, and J.I. Mickalonis, "Comparison of TGSCC and Crevice Corrosion in a Brass/Nitrate System," CORROSION/99, San Antonio, TX, Paper No. 210.
14. G.L. Edgemon, J.L. Nelson, and G.E.C. Bell, "Corrosion Data from Hanford High-Level Waste Tank 241-AN-107," CORROSION/99, San Antonio, TX, Paper No. 469.
15. A.N. Rothwell, G.L. Edgemon, and G.E.C. Bell, "Data Processing for Current and Potential Logging Field Monitoring Systems," CORROSION/99, San Antonio, TX, Paper No. 192.
16. G.E.C. Bell, R.A. Pannell and J.J. Galleher, Jr., "Electromagnetic Conductivity Surveys of Pipeline Alignments for Soil Corrosivity Assessment and Design of Corrosion Control For Large Diameter Water Lines", Proceedings of Pipelines in the Constructed Environment Conference, San Diego, CA, American Society of Civil Engineers, 1998.
17. S.J. Duranceau, M.J. Schiff, and G.E.C. Bell, "Electrical Grounding, Pipe Integrity and Schock Hazard," J. AWWA, July 1998.
18. G.L. Edgemon and G.E.C. Bell, "Problems, Pitfalls, and Probes: Welcome to the Jungle of Electrochemical Noise Technology," Paper No. 98383, CORROSION/98, NACE International, Houston, TX, 1998.
19. S. Reid, G.E.C. Bell, and G.L. Edgemon, "The Use of Skewness, Kurtosis and Neural Networks for Determining Corrosion Mechanism from Electrochemical Noise Data," Paper No. 98176, CORROSION/98, NACE International, Houston, TX, 1998.



20. G.L. Edgemon, M.J. Danielson, G.E.C. Bell, "Detection of Stress Corrosion Cracking and General Corrosion of Mild Steel in Simulated Defense Nuclear Waste Solutions Using Electrochemical Noise Analysis," Journal of Nuclear Materials, 245 (1997) 201-209.
21. G.E.C. Bell, M.J. Schiff and D.F. Wilson, "Thermogalvanic Corrosion of Buried Copper Tubing," CORROSION/97, Paper 97568, NACE International, Houston, TX, 1997.
22. S.J. Duranceau, M.J. Schiff, and G.E.C. Bell, Effects of Electrical Grounding on Pipe Integrity and Shock Hazard, AWWARF, Denver, CO, 1996.
23. G.E.C. Bell, G.L. Edgemon, and D.F. Wilson, "The Use of Electrochemical Noise to Detect Stress Corrosion Cracking of Brass in Nitrite Solution," submitted for publication in Corrosion, December 1995.
24. G.L. Edgemon, G.E.C. Bell, P.C. Ohl, and D.F. Wilson, "Detection of Localized and General Corrosion of Mild Steel in Simulated Defense Nuclear Waste Solutions Using Electrochemical Noise Analysis," submitted for publication in Corrosion, December 1995.
25. G.L. Edgemon, M. Marek, D.F. Wilson, and G.E.C. Bell, "Sensitization Behavior of Alloy 800H as Characterized by the Electrochemical Potentiokinetic Reactivation (EPR) Technique," Corrosion, v. 50, No. 12, p 912, (1994).
26. G.E.C. Bell, M.J. Schiff and S.J. Duranceau, "Observation of the Effects of Grounding on Water Piping," CORROSION/95, Paper No.95603, March 26-31, 1995, Orlando, FL.
27. G.L. Edgemon, D.F. Wilson, and G.E.C. Bell, "The Sensitization of Alloy 800 as Characterized by the EPR Technique," CORROSION/94, Paper No. 94140, Baltimore, MD, March 1, 1994.
28. G.E.C. Bell and P.S. Bishop, "Compatibility of Vanadium Alloys with Reactor-Grade Helium for Fusion Reactor Applications," CORROSION/93, Paper No.177, NACE International, Houston, TX.
29. G.E.C. Bell, E.A. Kenik, and T. Inazumi, "Electrochemical and Microstructural Properties of an Austenitic Stainless Steel Irradiated by Heavy Ions above 600°C," Journal of Nuclear Materials (1992).
30. G.E.C. Bell, E.A. Kenik, and L. Heatherly, Jr., "Characterization of Radiation-Induced Segregation in Austenitic Stainless Steels Using Analytical Electron Microscopy and Scanning Auger Microprobe Techniques," Journal of Nuclear Materials (1992).
31. G.E.C. Bell, "Lithium Purification at Temperatures Below 500°C," Journal of Nuclear Materials (1992).
32. G.E.C. Bell, T. Inazumi, E.A. Kenik and T. Kondo, "Electrochemical and Microstructural Characterization of an Austenitic Stainless Irradiated by Heavy Ions at 515°C," Journal of Nuclear Materials, 179-181 (1991) 615-618.
33. G.E.C. Bell, M.A. Abdou and P.F. Tortorelli, "Experimental and Analytical Investigations of Mass Transport Processes of 12Cr-MoVW Steel in Thermally-Convected Lithium Systems," Fusion Engineering Design, (1989) 421-427.



34. G.E.C. Bell and A.R. Wazzan, "Thermal Hydraulic Performance of a Moisture Separator Reheater at Saint Laurent Unit B1," Nuclear Engineering and Design, 85 (1985) 636-372.
35. E.A. Kenik, R.H. Jones, G.E.C. Bell, "Irradiation Assisted Stress Corrosion Cracking," Sixth Fifth International Conference on Fusion Reactor Materials (ICFRM-6) October, 1993, Italy.
36. G.E.C. Bell, A. Kenik, and T. Inazumi, "Electrochemical and Microstructural Properties of an Austenitic Stainless Steel Irradiated by Heavy Ions above 600°C," Fifth International Conference on Fusion Reactor Materials (ICFRM-5) November 17-21, 1991, Clearwater, Florida.
37. G.E.C. Bell, E.A. Kenik, and L. Heatherly, Jr., "Characteristics of Radiation-Induced Segregation in Austenitic Stainless Steels Using Analytical Electron Microscopy and Scanning Auger Microprobe Techniques," Fifth International Conference on Fusion Reactor Materials (ICFRM-5) November 17-21, 1991, Clearwater, Florida.
38. G.E.C. Bell, "Lithium Purification at Temperatures Below 500°C", Fifth International Conference on Fusion Reactor Materials (ICFRM-5) November 17-21, 1991, Clearwater, Florida.
39. E.A. Kenik, G.E.C. Bell and P.F. Tortorelli, "Sensitization of Manganese-Stabilized Austenitic Steels," 12th International Congress on Electron Microscopy.
40. T. Inazumi, G.E.C. Bell and A. Hishinuma, "Evaluation of Radiation-Induced Sensitization Using Electrochemical Potentiokinetic Reactivation Technique for Austenitic Stainless Steels," Paper No. 507, National Association of Corrosion Engineers, CORROSION/90, April 23-27, 1990, Las Vegas, Nevada.
41. T. Inazumi, G.E.C. Bell and H. Hishinuma, "An Electrochemical Technique for Determining the Stress Corrosion Cracking Properties of Austenitic Stainless Steels," (ICFRM-4) December 1989, Kyoto, Japan.
42. G.E.C. Bell and M.A. Abdou, "The Role of Carbides in the Corrosion Behavior of 12Cr-1MoVW Steel in Liquid Lithium," oral presentation at the ANS Eighth Topical Meeting on the Technology of Fusion Energy, Salt Lake City, Utah, October 9-13, 1988.
43. G.E.C. Bell and M.A. Abdou and P.F. Tortorelli, "Experimental and Analytical Investigations of Mass Transport Processes of 12Cr-1MoVW Steel in Thermally-Convected Lithium Systems," International Symposium of Fusion Nuclear Technology, Tokyo, Japan, April 11-15 1988.
44. G.E.C. Bell and A.R. Wazzan, "Thermal Hydraulic Performance of a Moisture Separator Reheater at Saint Laurent Unit B 1," International Nuclear Power Plant Thermal Hydraulic and Operations Topical Meeting, Taipei, October 22-25, 1984.
45. G.H. Gelb, G.E.C. Bell and F.R. Furnace, "A Combined Geothermal/Ocean Thermal Conversion (GEOTEC) System for Adak Island, Alaska," Pacific Congress on Marine Technology, Honolulu, Hawaii, April 23-27, 1984.



46. T. Tsukada, K. Shiba, G.E.C. Bell, and H. Nakjima, "Slow Strain Rate Tensile Tests in High Temperature Water of Spectrally-Tailored Irradiated Type 316 Material for Fusion Reactor Applications," CORROSION/92, Paper No.104, Nashville, Tennessee, April 27-May 1, 1992.
47. A.J. Jacobs, C.M. Shepherd, G.E.C. Bell, G.P. Wozadlo, "High Temperature Solution Annealing as an IASCC Mitigation Technique", Fifth International Symposium on Environmental Degradation of Materials in Nuclear Power Systems-Water Reactors, August 25-29, Monterey, California.
48. T. Inazumi, G.E.C. Bell, P.J. Maziasz and T. Kondo, "Radiation-Induced Sensitization of Ti-Modified Austenitic Stainless Steel Irradiated in a Spectrally-Tailored Experiment," Fifth International Conference on Fusion Reactor Materials (ICFRM-5) November 17-21, 1991, Clearwater, Florida.
49. T. Inazumi, G.E.C. Bell, E.A. Kenik and K. Kiuchi, "Evaluation of Radiation-Induced Sensitization of Austenitic Stainless Steels Using Electrochemical Potentiokinetic Reactivation Technique," Corrosion, 46 (1990) 786-792.
50. P. Gierszewski et al., "Engineering Scaling and the Quantification of Test Requirements for Fusion Nuclear Technology," Fusion Technology, 8 (1985) 1100-1107.
51. D. Cohn et al., "Compact Minimum Cost Ignition Test Reactor," Fusion Technology, 8 (1985) 1291-1296.
52. H.E. McCoy, G.E.C. Bell, J.R. DiStefano, R.H. Baldwin, J.W. Hendricks, W.A. Simpson, Jr. and R.A. Cunningham, Jr., "Mechanical Properties of Solid Lithium," ORNL-6543, Oak Ridge National Laboratory, April 1989.
53. M.A. Abdou et al., "Contributions from FINESSE to the ANS Sixth Topical Meeting on the Technology of Fusion Energy," University of California, Los Angeles, PPG-866, also UCLA-ENG-85-14 (1985).
54. M.A. Abdou et al., "Contributions from the Fusion Engineering Group to the International Symposium on Fusion Nuclear Technology," Tokyo, Japan, April 11-15, 1988. University of California, Los Angeles, PPG-1200, also UCLA-ENG-88-14 (1988).

SELECTED LIST OF INVITED PRESENTATIONS

1. G.E.C. Bell, "External Corrosion and Corrosion Control in the Water Industry," AWWA Annual Conference Workshop, San Francisco, California, June 12, 2005
2. G.E.C. Bell, "Current Research on External Corrosion Control in the Water Industry," AWWA Annual Conference Workshop, San Francisco, California, June 12, 2005
3. G.E.C. Bell, "Corrosion and Corrosion Control in Water Wells," AWWA California Nevada Section Water Well Technology, Lakewood California, May 17, 2005.
4. G.E.C. Bell and J. Aranda, "Corrosion and Corrosion Control in Wastewater Systems," Hawaiian Water Environmental Association Conference, February 2005.



5. G.E.C. Bell, “Fundamentals of Cathodic Protection and Interference,” Materials Science and Technology Week, Bangkok, Thailand, October 2004.
6. G.E.C. Bell, “15 Years of Measurement of Corrosion on Ductile Iron Pipe,” AWWA Distribution System Symposium, Chicago, IL, September 2004.
7. G.E.C. Bell, “Cathodic Protection of Steel, PCCP and Ductile Iron Pipe”, City of Phoenix Corrosion Summit, August 2004.
8. G.E.C. Bell, “Corrosion and what it Means to you”, Channel Counties Water Utility Association, April 2004.
9. G.E.C. Bell, “Stainless Steel: It’s not just for Flatware Anymore”, NACE International Western Area Conference, 06 Nov 2002, Palm Springs, CA
10. G.E.C. Bell and A. E. Romer, “Solutions to External Corrosion on Buried Water Mains,” Advances in Pipeline Engineering and Construction, American Society of Civil Engineers, San Diego, CA, July 2001.
11. A. E. Romer and G.E.C. Bell, “Causes of External Corrosion on Buried Water Mains,” Advances in Pipeline Engineering and Construction, American Society of Civil Engineers, San Diego, CA, July 2001.
12. G.E.C. Bell, R. Kendall and S. Mulligan, “An Assessment/Reliability Program for PCCP,” Advances in Pipeline Engineering and Construction, American Society of Civil Engineers, San Diego, CA, July 2001.
13. G.E.C. Bell and A.E. Romer, “Causes and Solutions of External Corrosion on Buried Mains: An AWWARF Study Status Report”. Research In Progress Poster Session, American Water Works Association Annual Conference, June 2001, Washington, DC.
14. G.E.C. Bell, L.M. Rosenthal, and K. Lawson, “Electrochemical Noise Corrosion Monitoring Field Trial,” CORROSION/00, March 2000, Orlando, FL, Paper No. 412.
15. G.E.C. Bell, “Electrochemical Noise for Use in the Water Industry,” Cal-Nev AWWA Fall Conference, October 27, 1999, San Diego, CA.
16. James Keegan, G.E.C. Bell and M.J. Schiff, “Copper Service Corrosion,” Cal-Nev AWWA Fall Conference, October 27, 1999, San Diego, CA.
17. G.E.C. Bell, P.S. Foreman and M.J. Schiff, “Cathodic Protection of Polyethylene Encased Ductile Iron Pipe,” AWWA Distribution Symposium Conference, September 21, 1999, Reno, NV.
18. G.E.C. Bell, R.A. Pannell and J.J. Galleher, Jr., “Electromagnetic Conductivity Surveys of Pipeline Alignments for Soil Corrosivity Assessment and Design of Corrosion Control For Large Diameter Water Lines”, American Society of Civil Engineers, Pipelines in the Constructed Environment Conference, San Diego, CA, August 24, 1998.
19. G.L. Edgemon and G.E.C. Bell, “Problems, Pitfalls, and Probes: Welcome to the Jungle of Electrochemical Noise Technology,” Paper No. 98383, CORROSION/98, San Diego, CA, March 1998.



20. S. Reid, G.E.C. Bell, and G.L. Edgemon, "The Use of Skewness, Kurtosis and Neural Networks for Determining Corrosion Mechanism from Electrochemical Noise Data," Paper No. 98176, CORROSION/98, San Diego, CA, March 1998.
21. G.E.C. Bell, "Soil Chemistry and Corrosion Control of Buried Structures," Technical Seminar, Kleinfelder Inc., February 18, 1998, San Francisco, California.
22. G.E.C. Bell, "Effects of Grounding on Metal Release in Drinking Water," AWWA 1998 Inorganic Contaminants Workshop, San Antonio, TX, February 24, 1998.
23. G.E.C. Bell, M.J. Schiff and D.F. Wilson, "Thermogalvanic Corrosion of Buried Copper Tubing," CORROSION/97, Paper 97568, March 9 - 14, 1997, New Orleans, Louisiana.
24. G.E.C. Bell, "Corrosion and Corrosion Control: Preservation of Capital Investment," Coatings & Corrosion Protection 1996: A Desert Perspective, October 24, 1996, Henderson, Nevada.
25. G.E.C. Bell, "Corrosion Control by Design," Control de la Corrosion y Manejo de Infraestructure en Sistemas de Tratamiento, Distribucion y Almacenamiento de Aguas, presentation and paper published in proceedings, December 11, 1995, Mexico City, Mexico.
26. G.E.C. Bell, "Degradation of Non-metallic Pipe Materials used in Potable Water Systems," Control de la Corrosion y Manejo de Infraestructure en Sistemas de Tratamiento, Distribucion y Almacenamiento de Aguas, presentation and paper published in proceedings, December 11, 1995, Mexico City, Mexico.
27. G.E.C. Bell, M.J. Schiff, R.L. Bianchetti, and S.J. Duranceau, "Grounding Can Effect Water Quality," 1995 Water Quality Technology Conference, November 12-16, 1995, New Orleans, Louisiana.
28. G.E.C. Bell, "Detection of Localized Corrosion using Electrochemical Noise Technology," NACE International Western Region Meeting, October 25-27, 1995, San Diego, CA.
29. G.E.C. Bell, "Monitoring and Control of Corrosion using State of the Art Methods in Potable Water Systems," Cal-Nevada Section of AWWA Spring 1995 Meeting, October 18-20, 1995, Santa Clara, CA.
30. G.E.C. Bell, "Corrosion Control Decisions and Designs," Western States Corrosion Control Seminar sponsored by the Western Region of NACE International, Cal Poly Pomona, May 1995, 1996, 1997, 1998, 1999 and 2000.
31. G.E.C. Bell, "Detection of Localized Corrosion using Electrochemical Noise Technology," Los Angeles Section of NACE International, April 13, 1995, Los Angeles, California.
32. G.E.C. Bell, "Detection of Localized and General Corrosion of Mild Steel in Simulated Defense Nuclear Waste Solutions Using Electrochemical Noise Analysis," presented at T-2A-2 subcommittee meeting CORROSION/95, March 26-31, 1995, Orlando, FL
33. G.E.C. Bell, M.J. Schiff, S.J. Duranceau, and Vicken Dakessian, "Effects of Electrical Grounding on Pipe Integrity and Shock Hazard - An AWWARF Study," California-Nevada Section American Water Works Association 1994 Fall Meeting, October 13, 1994, San Diego, California.



34. G.E.C. Bell, "Corrosion of Stainless Steel Bolts Underground," California-Nevada Section American Water Works Association 1994 Spring Meeting, April 21, 1994, Sacramento, California.
35. G.E.C. Bell, M.J. Schiff and J.L.S. Bell, "Corrosion Control of Buried Structures," Technical Excellence Seminar, Converse Consultants Inland Empire, March 18, 1994, San Bernardino, California.
36. J.L.S. Bell, G.E.C. Bell and J.T. Keegan, "Qualitative and Quantitative Determination of Sulfides in Soil," 1994 Western Region NACE International Meeting, November 1, 1994, Seattle, WA.