

## **CURRICULUM VITAE: James C. Buell, MD, FACC**

Present Office Address	Cardiology Clinic of San Antonio PA 255 East Sonterra Boulevard Suite 150 San Antonio, TX 78258
Previous Office Addresses 1996-1997	Diagnostic Clinic of San Antonio 4647 Medical Drive San Antonio TX 78229
6/97 active until 1/31/2000	Cardiology Associates of Lake Mead 108 E. Lake Mead # 305 Henderson, NV 89015 Phone #(702) 564 4441
1985- 1996	Professor of Medicine Texas Tech University Health Sciences Center School of Medicine Department of Internal Medicine / Cardiology 3601 4th Street Lubbock, Texas 79430
Home Address	25603 Mesa Ranch San Antonio, TX 78258 Home Phone (210) 481 2723 Fax (210) 481 2723
Date and Place of Birth:	September 15, 1941 Omaha, Nebraska
Citizenship	USA
Honor Societies - 1980	Sigma Xi, Scientific Research Society

### **Medical Education and Training:**

1962-1966	University of Nebraska College of Medicine Omaha, Nebraska - Doctor of Medicine
1966-1967	Internship, University of Nebraska Hospital, Omaha, Nebraska
1967-1969	Residency in Internal Medicine, University of Nebraska Hospital, Omaha, Nebraska
1969-1970	NIH Cardiovascular Research Fellowship, University of Nebraska, Omaha, Nebraska
1970-1971	Clinical Cardiology Fellowship, Emory University Hospitals, Atlanta, Georgia
1971-1972	Clinical Cardiology Fellowship, University of Wisconsin Hospitals, Veterans Administration Hospital, Madison, Wisconsin

### **Professional Positions Held:**

1968-1970	Assistant Instructor of Medicine, University of Nebraska Hospital, Omaha, Nebraska
1972-1974	Instructor in Medicine, University of Wisconsin, Madison, Wisconsin
1972-1974	Consultative Cardiology, 202 South Park Street Madison, Wisconsin
1974-1982	Chief of Cardiology, Omaha Veterans Administration Medical Center, Omaha, Nebraska

**Professional Positions Held:**

1975-1983 Assistant Professor of Medicine, Cardiovascular Center, University of Nebraska Medical Center, Omaha, Nebraska

1981-1983 Vice Chairman, Department of Preventive and Stress Medicine, University of Nebraska Medical Center, Omaha, Nebraska

1982-1983 Director, Cardiac Catheterization Laboratory, Omaha Veterans Administration Medical Center, Omaha, Nebraska

1983-1985 Associate Director, Director of Research, The National Center of Preventive and Stress Medicine, Phoenix, Arizona

1983-1985 Vice Chairman, Arizona Diagnostic Cardiology, Phoenix, Arizona

10/1985-8/1993 Associate Professor of Medicine Department of Internal Medicine, Texas Tech University Health Sciences Center School of Medicine Lubbock, Texas

9/1993-5/1996 Tenured Professor of Medicine Department of Internal Medicine, Division of Cardiology Texas Tech University Health Sciences Center School of Medicine, Lubbock, Texas

1986-11/1995 Chief of Cardiology Texas Tech University Health Sciences Center School of Medicine Lubbock, Texas

1996-6/1997 Cardiologist, Private Practice Cardiology Associates of Lake Mead, 108 E. Lake Mead, # 305, Henderson, NV 89015

1997–1/31/2000 Cardiologist, Private Practice Diagnostic Clinic of San Antonio, 4647 Medical Drive, San Antonio, TX 78229 (6/97 until 1/31/2000 when practice went bankrupt under Phycor management)

2/2000–present Cardiologist, Private Practice Cardiology Clinic of San Antonio, 7950 Floyd Curl Drive, San Antonio, Texas 78229 or 255 East Sonterra Boulevard, Suite 150, San Antonio Texas 78258

**Licensure:**

02/01/84 Arizona #14509

10/03/66 Nebraska #11520

08/23/86 Texas #G9946

04/15/96 Nevada #7739

**Scientific and Professional Society Memberships:**

1991 Academy of Behavioral Medicine Research

1991 American Heart Association (Clinical Cardiology Council) #10004487

04/1982 American Medical Association #03005660

04/12/1991 American Society of Cardiovascular Interventionists

01/01/1989 Association for the Advancement of Medical Instrumentation (AAMI) #010027

1981 Fellow American College of Angiology

1989 Fellow American College of Cardiology (FACC) #606589

### **Scientific and Professional Society Memberships:**

- 1987 Lubbock Crosby Garza County Medical Society Texas Medical Association #C13912  
12/1992 Fellow International College of Angiology

### **Special Appointments, Activities and Honors**

- 1979-1981 Committee Member Professional Education Committee Nebraska Heart Association  
1981-1983 Committee Member Research Committee, Nebraska Heart Association  
1982-1983 Member Research Institutional Review Board, Omaha Veterans Administration Medical Center  
1979-1980 President Nebraska Cardiovascular Society Cardiovascular Consultant, North Central Wisconsin Heart and Lung Institute, Wausau, Wisconsin  
1980 Cardiovascular Disease Consultant, National Heart, Lung and Blood Institute (NHLBI), Bethesda, Maryland Consultant, Institute of Medicine, National Academy of Sciences  
1981-1986 Co Director, American College of Cardiology's Tutorials in the Tetons"  
1984-1987 Co-Director, American College of Cardiology's "Stress and the Heart"  
1991 The Editorial Advisory Board, Critical Reading, Caduceus Medical Publishers, Inc., 311 Center, Route 311, Patterson NY 12563  
1996-1997 Cited in THE BEST DOCTORS IN AMERICA, CENTRAL REGION, Woodard / White Publishers.

### **Hospital Appointments by Chronological Order**

- 4/1972-  
2/1974 Madison VA Hospital, 2500 Overlook Terrace, Madison WI 53705 Part time Cardiology Faculty  
1972-1974 Madison General Hospital, 202 South Park St, Madison WI 53715 Staff Cardiologist, Private Practice  
1972-1974 St. Mary's Hospital, 707 South Mills Street, Madison WI 53715, Staff Cardiologist  
1974-1983 Omaha VA Medical Center, 4101 Woolworth Ave, Omaha NE 68105, Chief of Cardiology, Cardiac Cath Lab Director  
1974-1983 University Nebraska Medical Center, 42nd & Dewey Avenue, Omaha NE 68105 Staff Cardiologist, Vice Chairman Dept of Preventive & Stress Medicine  
1983-1985 St. Luke's Hospital, 1800 East Van Buren, Phoenix AZ, 85006, Staff Cardiologist, Associate Director & Director Research National Center of Preventive and Stress Medicine, and Arizona Diagnostic Cardiology.  
1985-1996 University Medical Center, Indiana & 9th Street Lubbock, TX 79430, Attending Cardiologist, Chief of Cardiology 1986- 11/95  
1989-1996 St. Mary of the Plains, 4000 24th Street, Lubbock, TX 79410, Consultant / Academic Attending  
1990-1996 South Park Hospital, 6610 Quaker Avenue, Lubbock TX 79413 Consultant/ Attending Cardiologist  
1988-1996 Methodist Hospital, 3615 19th Street, Lubbock, TX 79414 Consultant Cardiologist

### **Hospital Appointments by Chronological Order**

1996-1997	St. Rose Dominican Hospital, 102 E Lake Mead Drive, Henderson, NV 89015, Consultant/ Attending Cardiologist
1996-1997	Desert Springs Hospital, 2075 East Flamingo Road, Las Vegas NV 89119, Consultant / Attending Cardiologist
1996-1997	Columbia Sunrise Hospital and Medical Center, 3186 South Maryland Parkway, Las Vegas, NV 89109 Consultant / Attending Cardiologist
1996-1997	Boulder City Hospital Inc., 901 Adams Blvd, Boulder City, NV 89005, Consultant / Attending Cardiologist
1996-1997	Valley Hospital Medical Center, 620 Shadow Lane, Las Vegas NV 89106, Consultant / Attending Cardiologist
1997-present	Methodist Hospital, 7700 Floyd Curl Drive, San Antonio, TX 78229, Consultant/Attending Cardiologist,
1997-present	St. Luke's Baptist Hospital, 7930 Floyd Curl Drive, San Antonio TX 78229, Consultant/ Attending Cardiologist
1997-present	Santa Rosa Northwest Hospital, 2827 Babcock Road, San Antonio, TX 78229, Cardiologist
1997-present	Methodist Specialty and Transplant Hospital, 8026 Floyd Curl Drive, San Antonio, TX 78229, Cardiologist, (formerly San Antonio Community Hospital)
2000-present	St. Luke's Baptist Hospital 7930 Floyd Curl Drive, San Antonio TX 78229, Consultant/ Chief of Cardiology

### **Special Interests:**

Interventional Cardiology and Peripheral Vascular Interventions and Clinical Applications of Impedance Cardiography in the Management of Hypo and Hyper Perfusion States

#### **Article Bibliography**

1. Buell JC, Thomsen MH, Spring DA and Wasserburger RH: The standard 12 lead scalar electrocardiogram, an assessment of left ventricular performance. *Journal of Electrocardiology*, 5(3):225-232, 1972.
2. Schnee M, Forker AD, Dzindzio BS, Starke H, Buell JC and Eliot RS: Current concepts in the management of acute uncomplicated myocardial infarction. Chapter 10 in Cardiac Emergencies (pp 181-193). RS Eliot, GL Wolf and AD Forker, Eds. Mt. Kisco, New York: Futura Publishing Co. Inc., 1977.
3. Buell JC and Eliot RS: Stress and cardiovascular disease. *Modern Concepts of Cardiovascular Disease*, 48(4):19-24, 1979.
4. Buell JC and Eliot RS: The role of emotional stress in the development of heart disease. *Journal of the American Medical Association*, 242(4):365-368, 1979.
5. Buell JC and Eliot RS: Stress and Cardiovascular Disease, *Journal of the South Carolina Medical Association*, 75(11):494-500, 1979.
6. Buell JC and Sime WE: Quantitation of the physiological response to emotional stress. *Journal of the South Carolina Medical Association*, 75(11):555-561, 1979.
7. Buell JC and Eliot RS: Stress and cardiovascular disease. *Primary Cardiology*, 5:72-78, 1979. (Reprint of *Modern Concepts of Cardiovascular Disease* 48(4):19-24, 1979.

### Article Bibliography

8. Eliot RS, Sime WE, Buell JC and Salhany EA: Role of emotional and environmental stress in acute coronary heart disease and sudden death. International Congress series 491, Florence International Meeting on Myocardial Infarction, May 8-12, 1979, Vol. I: 75-80. Excerpta Medica, Amsterdam, 1979.
9. Sime WE, Buell JC and Eliot RS: Cardiovascular Responses to emotional stress (quiz interview) in post myocardial infarction patients and matching control subjects. Journal of Human Stress, 6(3):39-46, 1980.
10. Sime WE, Buell JC and Eliot RS: Psycho-physiological (emotional) stress testing for assessing coronary risk. Journal of Cardiovascular and Pulmonary Technique, 8:27-33, 1980.
11. Buell JC and Eliot RS: Psychosocial and behavioral influences in the pathogenesis of acquired cardiovascular disease. American Heart Journal, 100(5):723-740, 1980.
12. Eliot RS and Buell JC: Environmental and behavioral influences in the major cardiovascular disorders. Chapter in Perspective on Behavioral Medicine (pp 25-39). WM Weiss, J Herd, BH Fox, Eds. New York: Academic Press, 1981
13. Dembroski TM, MacDougall JM, Buell JC and Eliot RS: Type A stress and the autonomic reactivity: considerations for a study in these factors in the work place. Chapter in
14. Myocardial Infarction and Psychosocial Risks (pp 89-106). J Siegrist, MJ Halhuber, Eds. Berlin: Springer Verlag, 1981.
15. Buell JC, Sime WE and Eliot RS: Physiologic response to emotional stress. Primary Cardiology, 7(9):147-159, 1981.
16. Eliot RS and Buell JC: The heart and emotional stress. Chapter in The Heart: Arteries and Veins, 5th edition (pp 1637-1649). JW Hurst, RG Logue, EC Rackley, RC Schlant, EH Sonnenblick, AG Wallace, NK Wenger, Eds. New York: McGraw Hill, 1981.
17. Dembroski TM, MacDougall JM, Slaats S, Eliot RS and Buell JC: Challenge induced cardiovascular response as a predictor of minor illnesses. Journal of Human Stress, 7(4):2-5, 1981.
18. Buell JC and Eliot RS: The clinical and pathological syndromes of sudden cardiac death: an overview. Bio-behavioral Factors in Sudden Cardiac Death (pp 13-28). (Health and Behavior: A Research Agenda Interim Report No. 3). R Soloman, DL Parron, LB Dews, Eds. Washington, D.C.: National Academy Press, 1981.
19. Eliot RS, Buell JC and Dembroski TM: Bio-behavioral perspectives on coronary heart disease, hypertension and sudden cardiac death. Chapter in Neurogenic and Psychological Factor in Coronary Heart Disease. Proceedings of the 6th Paava Nurmi Symposium, Oxford, England: Acta Medica Scandinavica, (Suppl), 660:203-213, 1982.
20. McIlvain HE, Buell JC and Eliot RS: Type A personalities: how can they change? Physician and Patient, 1(5):23-33, 1982.
21. Eliot RS and Buell JC: The role of the CNS in cardiovascular disorders. Hospital Practice, 18(5):189-199, 1983.
22. Buell JC and Eliot RS: Behavior and the patho-physiology of coronary heart disease in humans. Chapter 14 in Bio-behavioral Bases of Coronary Heart Disease (Karger Bio-behavioral Medicine Series 2). TM Dembroski, TH Schmidt, G Blumchen, Eds. New York: Karger and Basel (pp 237-247), 1983.
23. Eliot RS and Buell JC: Role of the central nervous system in sudden cardiac death. Chapter 16, Bio-behavioral Bases of Coronary Heart Disease (Karger Bio-behavioral Medicine Series

### Article Bibliography

- 2). TM Dembroski, TH Schmidt, G Blumchen, Eds. New York: Karger and Basel (pp 257-270), 1983.
24. Buell JC: Impedance cardiography and plethysmography. In U.S. Department of Health and Human Services, Public Health Services, National Institutes of Mental Health, Cardiovascular Instrumentation: Applicability of New Technology to Bio-behavioral Research. JA Herd, AM Gotto, PG Kaufmann, SM Weiss, eds. NIH publication, pp 227-238, 1984.
25. Buell JC: Hot reactors. *Masters in Cardiology*, 2(1):14-15, 1984.
26. Ruddel H, McKinney ME, Buell JC, et al: Low work load during physical stress testing is mental stress testing. Chapter in Progress in Ergometry: Quality Control and Test Criteria. Fifth International Seminar on Ergometry. H Lollgen, H Mellerowicz, Eds. Berlin: Springer Verlag, pp 222-228, 1984.
27. Dembroski TM, MacDougall JM, Eliot RS and Buell JC: A social psycho-physiological model of Bio-behavioral factors and coronary heart disease, C. C. Spielberger, I.G. Sarason, P.B. Defares, Stress and Anxiety, Vol. 9, New York: Hemisphere, 1984.
28. McKinney ME, Buell JC and Eliot RS: Sex differences in transthoracic impedance: evaluation of effects on calculated stroke volume index. *Aviation, Space and Environmental Medicine*, 55(10):893-895, 1984.
29. McKinney ME, Buell JC and Eliot RS: Sex related differences in first stage impedance cardiographic variables, *Biofeedback and Self Regulation*, 9(3):365-370, 1984.
30. McKinney ME, Hofschire PJ, Buell JC and Eliot RS: Hemodynamic and biochemical responses to stress: the necessary link between type A behavior and cardiovascular disease. *Behavioral Medicine Update*, 6(4): 16-21, 1984.
31. Ruddel H, McKinney ME, Martin LE, Buell JC and Eliot RS: A reaction time device for the testing of cardiovascular reactivity in psychophysiology and medicine. *Automedica*, 5:71-76), 1984.
32. Dorheim T, Ruddel H, McKinney ME, Todd GL, Mellion MD, Buell JC and Eliot RS: Cardiovascular response of marathoners to mental challenge. *Journal of Cardiac Rehabilitation*, 4(11):476-480), 1984.
33. Buell JC, Alpert BS and McCrory WW: Physical stressors as elicitors of cardiovascular reactivity. In Proceedings from the Working Conference on Stress, Reactivity and Cardiovascular Disease. Department of Health and Human Services, 1984.
34. Todd GL, Clayton FC, McKinney ME, Ruddel H, Buell JC, and Eliot RS: Plasma catecholamine variation in physiologically reactive, and non-reactive individuals to cold pressor test. Chapter in Pathogenesis of Stress Induced Heart Disease (pp 185-195). Proceedings on the International Symposium on Stress, and Heart Disease, June 26-29, 1984. Edited by RE Beamish, V Panagia, N Dhalla, Martinus Nijhoff Publishing, Boston, 1985.
35. Eliot RS, and Buell JC: Utilization of a new objective non physical stress test. Proceedings of the Symposium on Stress, and Heart Disease, June 26-29, 1984, Winnipeg, Canada. Published by Martinus Nijhoff, Boston, 1985.
36. Miner MH, McKinney ME, Witte H, Buell JC, and Eliot RS: Regular caffeine consumption: effects on resting cardiovascular function, and cardiovascular changes induced by mental challenge. *Nebraska Medical Journal*, 70(2):43-48, 1985.
37. Eliot RS and Buell JC: The role of emotions and stress in the genesis of sudden death. *The Journal of the American College of Cardiology*, 5(6):95B-98B, 1985.

### **Article Bibliography**

38. McKinney ME, Miner MH, Ruddel H, McIlvain HE, Witte H, Buell JC, Eliot RS, Grant LB: The standardized mental stress test protocol: test-retest reliability and comparison with ambulatory blood pressure monitoring. *Psychophysiology*, 22(4):453-463, 1985.
39. Ruddel H, Berg K, Todd GL, McKinney ME, Buell JC, and Eliot RS: Cardiovascular reactivity and blood chemical changes during exercise. *The Journal of Sports Medicine and Physical Fitness*, 25(3):111-119, 1985.
40. Franz KB, Ruddel H, Todd GL, Dorheim TA, Buell JC, and Eliot RS: Physiologic changes during a marathon with special reference to magnesium. *Journal of the American College of Nutrition*, 4(2):187-194, 1985.
41. Buell JC and Eliot RS: The heart and emotional stress. Chapter in The Heart: Arteries, and Veins, Sixth Edition (pp 1520-1530). JW Hurst, et al, eds. New York: McGraw Hill, 1986.
42. Buell JC, Alpert BS, and McCrory WW: Physical stressors as elicitors of cardiovascular reactivity. Chapter in Handbook of Stress, Reactivity and Cardiovascular Disease (pp 127-144). KA Matthews, SM Weiss, T Detre, et al, eds. New York: Wiley Interscience, 1986.
43. Ruddel H, McKinney ME, Dembroski TM, MacDougall JC, Grant LE, Witte H, Buell JC, and Eliot RS: Reliability of ambulatory blood pressure monitoring and blood pressure response to mental challenge in the laboratory. *Journal of Autonomic Nervous System*, (Suppl):247-251, 1986.
44. Ruddel H, Langewitz W, McKinney ME, Todd GL, Buell JC, Eliot RS: Hemodynamic responses during the type A interview. *Journal of the Autonomic Nervous System*, (Suppl):685-688, 1986.
45. Norris SH, Buell JC, Kurtzman NA: The patho-physiology of cirrhotic edema: a reexamination of the "underfilling" and "overflowing" hypotheses. *Seminars in Nephrology*, 7(2):99-105, 1987.
46. Lui CY, Ornato JP, Buell JC, Grissom RL, Erickson CC: Lack of superiority of the vectorcardiogram over the electrocardiogram in detecting inferior wall myocardial infarction regardless of time since infarction. *Journal of Electrocardiography* 20(3):241-246, 1987.
47. McKinney ME, et al: Psycho-physiological stress testing in the work environment including noninvasive determination of stroke volume. Breakdown in Human Adaptation: Cardiovascular Diseases, A Multi-annual Program of the European Economic Community, Arona, Italy, December 11- 12, 1986.
48. McKinney ME, McIlvain HE, Hofschire PJ, Collins RE, Buell JC, et al: Psycho-physiologic aspects in essential hypertension: cardiovascular changes during mental stress: correlations with presence of coronary risk factors and cardiovascular disease in physicians and dentists. *Journal of Human Hypertension*, 1:137-145, 1987.
49. Glass JC, McKinney ME, Ruddel H, McIlvain H, Buell JC, Eliot RS: Screening for blood pressure hyper-reactivity to stress *Cardiology Management*, 2(2):25-29, 1988.
50. Buell JC, Eliot RS, Plachetka JR, Little MR: Hemodynamic effects of Labetalol in young and older adult hypertensives, *Journal of Clinical Pharmacology*, 28:327-331, 1988.
51. Buell JC: A practical, cost-effective, noninvasive system for cardiac output and hemodynamic analysis. *American Heart Journal*, 116, 2(2):657- 664, 1988.
52. Wickline C, Goli V, Buell J: Coronary artery narrowing due to extrinsic compression by myocardial abscess. *Catheterization and Cardiovascular Diagnosis* 23:121-123, 1991.
53. Pickett B and Buell JC: Validity of cardiac output measurement by computer-averaged

### **Article Bibliography**

impedance cardiography, and comparison with simultaneous thermodilution determinations. *American Journal of Cardiology*, 69:1354-1358, 1992.

54. Pickett B and Buell JC: Usefulness of the impedance cardiogram to reflect left ventricular diastolic function, *American Journal of Cardiology*, 71:1099-1103, 1993.

### **Abstracts**

1. Buell JC, Reining WM, Thomsen JH. Current Spread in the Heart During High Rate Atrial Pacing. Presented at the Annual Conference on Engineering in Medicine and Biology, Minneapolis, Minnesota, 1973.
2. Sime WE, Buell JC, Eliot RS. Psychophysiological (Emotional) Stress Testing: A Potential Means of Detecting the Early Reinfarction Victim. *Circulation* 60: (Part IIP 56, #212, 1979).
3. Ruddel H, Schultz W, Neus H, von Eiff AW, Buell JC, Eliot RS. The Interaction of Blood Pressure, Stress, and Cholesterol. First European Meeting on Hypertension, Milan, Italy, May29-June1, 1983.
4. Ruddel H, Todd GL, Buell JC, Eliot RS. Thromboxane B2 and Blood Pressure Regulation During Stress. First European Meeting on Hypertension, Milan, Italy, May 29-June 1, 1983.
5. Buell JC, McKinney ME, Muers D, Beck B, Eliot RS. The Validity of Impedance Cardiography. *Psychophysiology* 20:240, 1983
6. Miner MH, McKinney ME, Ruddel H, Buell JC, Eliot RS, Grant LB. Test- Retest Reliability of a Mental Stress Testing Paradigm Designed to Evoke Cardiovascular Reactivity. *Psychophysiology* 21:589, 1984.
7. Miner MH, Mcllvain HE, McKinney ME, Witte H, Ruddel H, Buell JC, Eliot RS. The Relationship of Type A, Anger In, and Psychometric Measures of Personality to Cardiovascular Response to Stress. The Society of Psychophysiological Research, 25th Annual Meeting, Houston, Texas, October 17-20, 1985.
8. McKinney ME, Ruddel H, Miner MH, Mcllvain HE, Hofschire PJ, Buell JC, Eliot RS. Task Differences in Cardiovascular Reactivity and Comparison with Blood Pressure Changes During Low-Level Exercise. The Society for Psychophysiological Research, 25th Annual Meeting, Houston, Texas, October 17-20, 1985.
9. Buell JC, Plachetka JR, Thomas M. Hemodynamic Effect of Labetalol in Elderly and Young Hypertensives. *J Clin Pharmacol* 25:630, 1985.
10. Goli V, Teague S, Iakovidis E, Liu J, Mundluru G, Buell JC. A Simple Formula to Calculate Mean Pressure Gradient in Aortic Stenosis by Doppler Ultrasound. *Clinical Research* 37(2):262A, 1989.
11. Goli V, Liu J, Mundluru, Kiker J, Buell JC. Left Ventricular Dysfunction During Acute Coronary Occlusions: Noninvasive Detection by Impedance Cardiography. Association for the Advancement of Medical Instrumentation, Anaheim, California, May 8, 1990.
12. V. Goli, E Lakovidis, J Buell. Comprehensive Doppler Mitral Flow Analyzer. American Federation for Clinical Research, Southern section .*Clinical Research* 38 : 2A, #1 January 1990
13. V Goli, D. Reynolds, M Crawford, F. Brown, J Barry, J Buell.
14. American Federation for Clinical Research, Southern section. *Clinical Research* 38:2A, #1, January 1990



## **Abstracts**

15. Wanishsawad C, Weathers L, Buell JC. Mitral Regurgitation and Left Atrial Thrombus in Rheumatic Mitral Valve Disease: A Clinicopathologic Study. American College of Cardiology 44th Annual Scientific Session. New Orleans, La, March 19 -23, 1995
16. Meyerrose G, Solis R, Buell J. Quantitation of Treatment Response in Patients with Congestive Heart Failure. Association for the Advancement of Medical Instrumentation, Anaheim, California, May 24, 1995.

## **Presentations: Lectures and Papers**

University of Nebraska Medical Center, Family Practice Review Course, October 3-14, 1977, Omaha, Nebraska

1. "Angina Pectoris: Notions and Nostrums"
2. "Ventricular Arrhythmias"

University of Nebraska Medical Center, Family Practice Review Course, February 13- 24, 1978, Omaha, Nebraska

3. "Current Indications for Coronary Arteriography"

North Dakota Medical Association Annual Scientific Sessions, April 20-21, 1978, Fargo, North Dakota

4. "Cardiac Rehabilitation" (Workshop)
5. "Stress and Cardiovascular Disease"

University of Nebraska Medical Center, Center for Continuing Education, "Practical Electrocardiography and Arrhythmia Management," May 18-19, 1978, Omaha, Nebraska

6. "AV Junction Arrhythmias"

American Heart Association, Nebraska Affiliate "Coping With Stress," October 10, 1978, Omaha, Nebraska

7. "Stress and the Heart"

International Stress Foundation, "Stress Awareness and Management Program," March 2-3, 1979, Omaha, Nebraska

8. "Measuring the Human Response to Stress"

American Heart Association, South Carolina Affiliate, International Stress Foundation, and Monsour Medical Foundation, Second National Conference on Emotional Stress and Heart Disease, October 13-15, 1978, Hilton Head Island, South Carolina.

9. "Quantitation of Physiological Response to Emotional Stress"

American Heart Association, Nebraska Affiliate, 1979 Scientific Session, May 4, 1979, Omaha, Nebraska.

10. "Coronary Risk Factors" (question and panel participant)

Iowa State Dental Society Annual Convention, May 8, 1979, Des Moines, Iowa

11. "Why Does a Dentist Want to Know About Stress?"

University of Nebraska Medical Center, Center of Continuing Education, "Practical Electrocardiography and Arrhythmia Management," May 24-25, 1979, Omaha, Nebraska

12. "AV Junction Arrhythmias"

### **Presentations: Lectures and Papers**

Academy of Behavioral Medicine Research, First Annual Meeting, June 3-6, 1979, Snow Bird, Utah

13. Buell JC, Eliot RS. "Environmental and Behavioral Influences in the Major Cardiovascular Disorders"

University of Nebraska Medical Center, Family Practice Review Course, March 19 and April 16, 1980, Omaha, Nebraska.

14. "Indications for Invasive Hemodynamic Bedside Monitoring and Interpretation"

University of Nebraska Medical Center, Department of Surgery and Veteran's Administration Medical Center Surgical Service, Symposium on Cardiac Pacemakers - Past, Present, and Future, March 24, 1980, Omaha Hilton, Omaha, Nebraska.

15. "Future: What is Needed?"

Institute of Medicine, National Academy of Sciences, Conference on Bio-behavioral Factors in Sudden Cardiac Death, August 5-6, 1980, Washington, D.C.

16. Buell JC, Eliot RS. "The Clinical and Pathological Syndromes of Sudden Cardiac Death: An Overview"

American College of Cardiology and Cardiovascular Center of the University of Nebraska Medical Center, Sixth Annual Tutorials in the Tetons: Cardiac Emergencies, New Diagnostic and Therapeutic Advances, August 23-35, 1980, Grand Teton National Park, Wyoming.

17. "Psycho physiologic Testing as a Predictor of Cardiac Catastrophes" (Tutorial)
18. "Behavioral Modification" (Tutorial)

American College of Cardiology, Clinical Cardiology: Impact on Behavior, Lifestyle, and Emotional Stress, October 29-31, 1980, Heart House Learning Center, Bethesda, Maryland.

19. "Summary of Techniques in Behavior Modification - The BASICS"

University of Nebraska Medical Center, Family Practice Review Course, May 5-6, 1981, Omaha, Nebraska

20. "Medical Management of Acute Myocardial Infarction"

International Society of Cardiology and Conference, German Conference on Coronary Prone Behavior, Biological Basis of Coronary Prone Behavior: Behavioral Approaches to a 20th Century Epidemic, June 16-19, 1981, Altenberg, West Germany.

21. "Behavior and the Patho-physiology in Coronary Heart Disease in Humans"

Alton Oschner Medical Foundation, Clinical Conference on Current Concepts in the Treatment of the Cardiovascular Patient, July 17, 1981, New Orleans, Louisiana

22. "Clinical Implications of Stress in Cardiovascular Disease"

American College of Cardiology and Cardiovascular Center, The University of Nebraska Medical Center, Seventh Annual Tutorials in the Tetons: Clinical Cardiology Diagnostic and Therapeutic Advances, August 29-31, 1981. Grand Teton National Park, Wyoming.

23. "Psychophysiological Testing as a Predictor of Cardiovascular Disease"
24. "Psychophysiological Testing - Practical Techniques"

American Medical Student Association, Fall Workshop, Regions VI and VIII, "Alternatives in Medicine," October 23-25, 1981, University of Nebraska Medical Center, Omaha, Nebraska

25. "Stress and Its Relation to Health"

### **Presentations: Lectures and Papers**

University of Nebraska Medical Center, Center for Continuing Education, "Electrocardiographic Concepts and Arrhythmias for Nursing," November 30-December 2, 1981, University of Nebraska Medical Center, Omaha, Nebraska

26. "EKG Patterns of Myocardial Infarction"
27. "AV Junctional Rhythms"

Health Center, January 1, 1982, Lincoln, Nebraska

28. "Stress and Cardiovascular Disease"

University of Minnesota, Program in Human Sexuality, Department of Family Practice and Community Health, "The Cardiac Patient and Sexual Rehabilitation," March 4-5, 1982, Minneapolis, Minnesota

29. "Detection and Measurement of Cardiovascular Reactivity to Stress"

University of Nebraska Medical Center, Family Practice Review Course, March 22-27, 1982, Omaha, Nebraska

30. "Medical Management of Acute Myocardial Infarction"

University of Nebraska Medical Center, Center for Continuing Education, "Lifestyle, Behavior, and Stress," April 16-17, 1982, Omaha, Nebraska

31. "Measuring the Physiological Impact of Stress"
32. "Life Stress Simulation Lab" (Workshop)

American College of Cardiology, 31st Annual Scientific Sessions, April 25-29, 1982, Atlanta, Georgia

33. "Role of Central Nervous System in Sudden Cardiac Death" (Mini course participant)

University of Nebraska Medical Center, Family Practice Review Course, May 10-15, 1982, Omaha, Nebraska

34. "Medical Management of Acute Myocardial Infarction"

National Heart, Lung and Blood Institute and Baylor College of Medicine, Working Conference on Cardiovascular Instrumentation: Applicability of New Technology to Bio-behavioral Research, May 16-19, 1982, Houston, Texas.

35. "Noninvasive Measurement of Cardiac Output and Regional Blood Flow"

American College of Cardiology and Cardiovascular Center, The University of Nebraska Medical Center, Eighth Annual Tutorials in the Tetons: Clinical Cardiology - Diagnostic and Therapeutic Advances, August 29-31, 1982, Grand Teton National Park, Wyoming.

36. "Coronary Prone Behavior: Demonstration of Detection, Measurement and Management (Part I)" (Tutorial)
37. "Coronary Prone Behavior: Demonstration of Detection, Measurement and Management (Part II)" (Tutorial)
38. "Hemodynamics of Coronary Prone Behavior"
39. "Coronary Prone Behavior: Demonstration of Detection, Measurement and Management (Part III)" (Tutorial)

Immanuel Medical Center, The Impact of Lifestyle, Behavior and Stress: Its Detection and Management, September 24, 1982, Omaha, Nebraska.

40. "Detecting and Measuring the Human Response to Stress"

### **Presentations: Lectures and Papers**

The Wyoming Academy of Family Physician and the International Stress Foundation, The Health Impace of Lifestyle, Behavior and Stress: The Latest in Detection and Management, January 30-February 5, 1983, Teton Village, Wyoming.

41. "A New Practical Method for Measuring the Physiological Impact of Stress (Detecting the Hot Reactor)"
42. "Beta Blockers in Stress Induced Illness"

American Heart Association and Baptist Medical Center of Oklahoma, Inc., Cardiovascular Disease: Prevention and Recovery, June 10-11, 1983, Oklahoma City, Oklahoma.

43. "The Relationship of Stress and Behavioral Patterns in Cardiovascular Disease"
44. "A Clinical Approach to Stress Detecting the Hot Reactor"

American College of Cardiology and Cardiovascular Center of The University of Nebraska, Ninth Annual Tutorials in the Tetons: Clinical Cardiology: Diagnostic and Therapeutic Advances, August 29-31, 1983, Grand Teton National Park, Wyoming.

45. "Hemodynamic and Metabolic Correlates in `Hot Reactors'"
46. "Testing Yourself for `Hot Reacting'" (Tutorial: 8/30/83 and 8/31/85) Buell JC, Ruddel HP.

The Cypress Foundation, Cardiovascular Issues: Patient Adherence and Stress and the Heart, September 23 -25, 1983, Monterey, California.

47. "Objective Hemodynamic Measurement of Coronary-Prone Behavior (Reactivity)"

Society for Psychophysiological Research, Twenty third Annual Meeting, September 25-28, 1983, Pacific Grove, California

48. Paper: The Validity of Impedance Cardiology

American Heart Association and Indiana Heart Association, 35th Annual Scientific Session, October 20, 1983, Indianapolis, Indiana

49. "Life Stress and Cardiovascular Disease"
50. "Quantitation of Life Stress"
51. Geigy Medial Lecture Series, Stress and Cardiovascular Disease, April 12, 1984, El Paso, Texas.
52. "Are You a Hot Reactor?"

National Heart, Lung and Blood Institute, Working Conference on Stress, Reactivity, and Cardiovascular Disease, April 23-26, 1984, Olgebay Park, West Virginia

53. "Hot Reacting" Clinical and Chemical Correlations of Western Electric Study"

CME Symposium for Biomedical Information, Inc., Treatment of Cardiovascular Disease and Hypertension, may 15, 1984, Phoenix, Arizona.

54. "Post infarction Arrhythmias and Sudden Cardiac Death: Can They Be Prevented?"

The American College of Cardiology and the Heart Lung Center St. Luke's Hospital, Stress and the Heart: Diagnosis, Prevention Management and Rehabilitation, July 4- 6, 1984, Grand Teton National Park, Wyoming.

55. "Non-Physical Stress Testing: Hemodynamic Responses to Mental Challenges in the Assessment and Management of Cardiovascular Disease"
56. Buell JC, Eliot RS. "Detecting, Measuring and Managing Cardiovascular Stress" (Tutorial)

### **Presentations: Lectures and Papers**

57. "Stress Linked Biochemical Forerunners of Cardiovascular Catastrophes"

The American College of Cardiology and the Heart & Lung Center St. Luke's Hospital, Tenth Annual Tutorials in the Tetons: Clinical Cardiology, Diagnostic and Therapeutic Advances, August 26-28, 1984, Grand Teton National Park, Wyoming.

58. "Hemodynamic and Physiologic Correlates on `Hot Reacting"

59. "Clinical Principles in Detecting and Managing Physiologic Hot Reactors" (Tutorial)

60. Elliot RS, Buell JC. "Clinical Applications of Nonphysical Stress Testing" (Tutorial)

Audio Visual Medical Marketing, Inc. and Glaxo, Inc., Labetalol Update: A Clinical Forum, September 14-15, 1984, Isle of Palms, Wild Dunes, South Carolina.

61. "Attenuation of Hemodynamic Response to Stress with Labetalol"

Geigy Medical Lecture Series, Stress and the Hot Reactor, January 17, 1985, Las Cruces, New Mexico

62. "The Role of Beta Blockers"

Geigy Medical Lecture Series, Stress and the Hot Reactor, January 17, 1985, El Paso, Texas

63. "The Role of Drug Therapy"

St. Luke's Hospital Primary Care Conference, January 26, 1985, Phoenix, Arizona

64. "Customizing Treatment for the Hypertensive"

Glaxo and Humana Hospital, CME Meeting, January 31, 1985, Phoenix, Arizona

65. "The Hemodynamic Approach to Treating Hypertension"

34th Annual Scientific Session of the American College of Cardiology, March 10-14, 1985, Anaheim, California

66. "Clinical Applications of Life Stress Simulation Testing"

Stanford Hospital Grand Rounds, March 20, 1985, Stanford, Connecticut

67. "Hot Reactors: Testing, Prognostic Implications and Therapy"

Denver Heart Institute Third Annual Cardiac Symposium: Atherosclerosis Prevention and Risk Factor Modification, March 22-24, 1985, Keystone, Colorado.

68. "Stress as it Relates to Cardiovascular Disease"

American College of Cardiology and Arizona Academy of Family Physicians, Practical Cardiology for the Family Physician, April 1-3, 1985, Scottsdale, Arizona.

69. "Hot Reactor Testing in Clinical Management"

70. "Therapy Based Upon Life Stress Simulation Testing"

Ninth Annual Cardiac Rehabilitation and Exercise Testing Symposium, May 3, 1985, Borgess Medical Center, Kalamazoo, Michigan.

71. "Nonphysical Stress Testing: Hemodynamic Responses to Mental Challenges in the Assessment and Management of Cardiovascular Disease"

Glaxo and Eisenhower Medical Center Hospital, CME Meeting, May 9, 1985, Rancho Mirage, California

72. "New Drugs in the Management of Hypertension"

Glaxo and Phoenix General Hospital, CME Meeting, May 17, 1985, Phoenix, Arizona

### **Presentations: Lectures and Papers**

73. "Hot Reactor in the Clinical Management of Hypertension"  
Glaxo and Phoenix Baptist Hospital, CME Meeting, May 21, 1985, Phoenix, Arizona
74. "Hemodynamics in Hypertension"  
St. Luke's Medical Center Emergency Room Department, CME Meeting, May 24, 1985, Phoenix, Arizona
75. "Hemodynamic Approach to Stress and Hypertension"  
Casa Grande Medical Center, CME Meeting, June 18, 1985, Casa Grande, Arizona
76. "Hemodynamics in Hypertension"  
The American College of Cardiology and the Heart-Lung Center at St. Luke's Medical Center, Stress and the Heart: Diagnosis, Prevention, Management and Rehabilitation, July 1-3, 1985, Grand Teton National Park, Wyoming.
77. "Nonphysical Stress Testing: Diagnostic Strategies and Practical Applications"
78. "Hematologic and Biochemical Clues to the Stressed Patient"
79. "Hemodynamic Approaches to Stress Evaluation and Management" Buell JC, Eliot RS (Workshop)  
Eleventh Annual Clinical Symposium for Physicians Assistants and Geigy Medical Lecture Series, August 8-11, 1985, Daytona Beach, Florida.
80. "Stress and Hypertension"
81. "Hypertension : Preventive Maintenance"  
The American College of Cardiology and the Heart-Lung Center St. Luke's Medical Center, Eleventh Annual Tutorial in the Tetons: Clinical Cardiology Diagnostic and Therapeutic Advances, August 26-28, 1985, Grand Teton National Park, Wyoming.
82. "Clinical Application of Biochemical Impedance"
83. Eliot RS, Buell JC. "Practical Clinical Principles in Non- Physical Stress Testing" (Tutorial)  
Arizona State University Student Health Services, CME Meeting, September 9, 1985, Tempe, Arizona
84. "Customizing Treatment of Hypertension"  
Puerto Rico Heart Association and Geigy Pharmaceuticals, Cardio 85, September 13-15, 1985, Cerromar Beach, Puerto Rico
85. "Stress Related Cardiovascular Disease"  
The University of Tennessee Center for the Health Sciences, Program, February 21, 1986, Memphis, Tennessee
86. "Anxiety, Stress and Cardiovascular Disease: Current Concepts in Diagnosis and Treatment"
87. "Psycho physiologic Stress Testing in the Diagnosis and Management of Hypertension"  
Montana Heart Association, May 9, 1986, Great Falls, Montana
88. "Stress and Cardiovascular Disease"  
Santa Monica Hospital Medical Center Post Graduate Seminar, Cross Currents in Medicine, June 7, 1986, Santa Monica, California

### **Presentations: Lectures and Papers**

89. "Type A' Behavior and Coronary Artery Disease - Is it a Risk Factor? Is it Modifiable? Can Behavior Change Improve Prognosis?"

The American College of Cardiology and the Heart-Lung Center St. Luke's Medical Center, Stress and the Heart: Diagnosis, Prevention, Management and Rehabilitation, June 30-July 2, 1986, Grand Teton National Park, Wyoming.

90. "Clinical Applications of Bioelectrical Impedance"

91. "Emotional Stress Testing in the Evaluation and Management of Hypertension"

Texas Tech University Health Sciences Center, Subspecialty Conference, August 5, 1986, Lubbock, Texas

92. "Hemodynamic Monitoring"

The American College of Cardiology and the Heart Lung Center St. Luke's Medical Center, Twelfth Annual Tutorials in the Tetons: Clinical Cardiology Diagnostic and Therapeutic Advances, August 24-26, 1986, Grand Teton National Park, Wyoming.

93. "A Hemodynamic Approach to Hypertension"

94. "Managing the Central Nervous System in Cardiovascular Disorders"

West Texas Pharmaceutical Association, CME Program, September 7, 1986, Lubbock, Texas.

95. "Stress and Cardiovascular Disease:

Satellite Symposium to the 11th Scientific Meeting of the ISH; Applied Psychophysiology in Hypertension, September 7-8, 1986, Bonn, West Germany.

96. McKinney ME, et al. "Cardiovascular Changes During Mental Stress: Correlations with Presence of Coronary Risk Factors and Cardiovascular Disease in Physicians and Dentists"

Texas Tech University Health Sciences Center, ICM Lecture, September 22, 1986, Lubbock, Texas

97. "Chest Examination: Cardiovascular"

Creighton University, The Heart of the Matter, October 10-11, 1986, Omaha, Nebraska

98. "Clinical Application of Psychophysiology"

American Heart Association of Michigan, Coronary Artery Disease: Preventing the Disease, Treating the Problem, October 25, 1986, Detroit, Michigan.

99. "Stress and Cardiac Death. Can it be Modified?"

Texas Tech University Health Sciences Center, Medicine 1986, November 14, 1986, Lubbock, Texas

100. "Stress and Cardiovascular Disease"

Hereford Medical Society, November 25, 1986, Hereford, Texas

101. "Stress and Hypertension"

102. "Psychophysiological Stress Testing in the Work Environment Including NI Determination of Stroke Volume"

Vista Hills Hospital, February 20, 1987, El Paso, Texas

103. "Stress and the Hot Reactor-The Role of Beta Blockers"

Texas Tech University Regional Academic Health Center, "Cardiology Update - 1987", February 21, 1987, El Paso, Texas

### **Presentations: Lectures and Papers**

104. "Stress and the Heart"

105. "Stress and the Cardiovascular Disease"

Texas Tech University Health Sciences Center, Internal Medicine Grand Rounds, March 5, 1987, Lubbock, Texas

106. "Clinical Applications of Bioelectrical Impedance"

Methodist Hospital, Pharmacology Seminar, April 8, 1987, Lubbock, Texas

107. "The Troubled Heart - Stress in the Heart"

American Heart Association, Dakota Affiliate, Inc., Third Annual Dakota Heart Symposium, April 11, 1987, Bismarck, North Dakota

108. "Stress and Cardiovascular Disease: An Overview"

109. "Behavior Modification in Cardiovascular Disease"

The American College of Cardiology and the Heart Lung Center St. Luke's Medical Center, Stress and the Heart: Diagnosis, Prevention, Management and Rehabilitation, Medical-Legal Implications, July 3-5, 1987, Grand Teton National Park, Wyoming.

110. "Stress and Hypertension"

111. "Diagnostic Instrumentation for Mental Stress Testing in Cardiovascular Disorders"

Rush-Presbyterian St. Luke's Medical Center, Consequences of Untreated Anxiety, July 22-26, 1987, Laguna Nigel, California

112. "Anxiety, Stress and the Effects on Cardiovascular Function"

Mercy Hospital Medical Center, Fourth Annual Cardiac Rehabilitation Conference, September 23, 1987, Des Moines, Iowa

113. "Medical Management of the Complicated MI Patient"

114. "Effects of Stress on the Cardiovascular System"

CPC Afton Oaks Hospital, The Upjohn Company, November 3, 1987, San Antonio, Texas

115. "Stress and the Heart"

Plainview Tri County Meeting, Central Plains Hospital, November 10, 1987, Plainview, Texas

116. "New Developments in Hypertension"

First International Conference on Stress, Hemodynamics and Hypertension, Hemodynamic and Stress Factors in Evaluation and Management, November 12-14, 1987, Scottsdale, Arizona.

117. "Impedance Cardiography"

Texas Tech University Health Sciences Center, Department of Family Medicine CME Conference, "Medical Update", December 15, 1987, Lubbock, Texas

118. "Impedance Cardiography"

An Evening with the Professors, Central Nervous System Pathways in Heart Disease, A Medical Education Program of Savannahs Hospital, February 17, 1988, Port Saint Lucie, Florida.

119. "Physiologic and Hemodynamic Responses to Stress"

Boca Raton Community Hospital, CME Conference, February 19, 1988, Boca Raton, Florida

120. "Physiologic and Hemodynamic Responses to Stress"



### **Presentations: Lectures and Papers**

Cardiology Update IV - 1988, April 23, 1988, Hershey Hotel, Corpus Christi, Texas.

121. "Stress and the Heart"

Family Practice: Clinical Encounters - '88, The University of Texas Southwestern Medical Center, June 4, 1988, Dallas, Texas.

122. "Stress Management and Cardiovascular Disease"

Oak Brook Medical Society, Pfizer Lecture, August 2, 1988, Oak Brook, Illinois.

123. "Clinical Applications of Impedance Cardiography"

Oak Brook Terrace Medical Society, Pfizer Lecture, August 3, 1989, Oak Brook, Illinois.

124. "Clinical Utility of Impedance Cardiography"

1988 Annual Session and Scientific Program, Texas Academy of Family Physicians, September 23, 1988, Austin, Texas

125. "Lifestyle and Cardiovascular Disease"

Controversies in Diagnosis and Management of Panic Disorders, Glenwood Psychiatric Hospital, October 22, 1988, Midland, Texas.

126. "Panic Disorders: Masquerade of Medical Illness"

Scenic Mountain Medical Center, Pfizer Lecture, November 2, 1988, Big Spring, Texas

127. "Clinical Applications of Impedance Cardiography"

USVA Medial Center, Pfizer Lecture, November 2, 1988, Big Spring, Texas

128. "High Blood Pressure and Hemodynamics"

Big Spring State Hospital, Pfizer Lecture, November 2, 1988, Big Spring, Texas

129. "Stress and Cardiovascular Disease"

South Park Medical Center, January 12, 1989, Lubbock, Texas

130. "Behavioral and Hemodynamic Approaches to Hypertension Management"

Memorial Hospital, January 20, 1989, Albuquerque, New Mexico

131. "Stress and the Heart"

Fort Worth Club of Internists, Fort Worth Club, April 12, 1989, Fort Worth, Texas

132. "Stress and Anxiety as They Relate to the Heart"

Texas Osteopathic Medical Association 90th Annual Convention & Scientific Seminar, The Arlington Convention Center, April 29, 1989, Arlington, Texas

133. "Stress and the Heart"

A.H.M. Medical Associates, Dupage Club, May 5, 1989, Lombard, Illinois

134. "Clinical Applications of Impedance Cardiography"

Scenic Mountain Medical Center, October 11, 1989, Big Spring, Texas

135. "Management of Major Cardiovascular Risk Factors"

West Texas Hospital, October 18, 1989, Lubbock, Texas

136. "Behavioral and Hemodynamic Factors in High Blood Pressure"

### **Presentations: Lectures and Papers**

All Saints Hospital, October 24, 1989, Fort Worth, Texas

137. "The Cardiologist's View of Treating Hypertension"

Methodist Hospital, Pharmacology Seminar, CME Meeting, November 1, 1989, Lubbock, Texas

138. "Management of Hypertension"

Permian General Hospital Staff Meeting, November 20, 1989, Andrews, Texas

139. "Impedance Cardiography"

Texas Tech University Health Sciences Center, Internal Medicine Grand Rounds, February 1, 1990, Lubbock, Texas

140. "Percutaneous Management of Peripheral Arterial Obstruction (Cracking, Packing, Burning, Churning, Slicing and Lysing)"

McInturff Conference Center, University Medical Center, Texas Tech University Health Sciences Center, Clinical Perspective on Blood Lipids Workshop, March 3, 1990, Lubbock, Texas

141. "Case Studies -Strategies of Prevention"

Methodist Hospital, Pharmacology Seminar, March 28, 1990, Lubbock, Texas

142. "Percutaneous Management of Peripheral Vascular Disease"

Texas Academy of Family Physicians-Panhandle Chapter Spring Seminar, Texas Tech Regional Academic Health Sciences Center, April 28, 1990, Amarillo, Texas

143. "Exercise Stress Testing"

American Heart Association Awards Dinner, Dominion Country Club, May 3, 1990, San Antonio, Texas.

144. "Stress and the Heart"

Texas Tech Regional Academic Health Sciences Center, Internal Medicine Grand Rounds, June 20, 1990, Amarillo, Texas

145. "Percutaneous Management of Peripheral Vascular Disease (Cracking, Packing, Burning, Churning, Slicing & Lysing)"

American College of Cardiology, Tutorials in the Tetons, August 28, 1990, Jackson, Wyoming

146. "Hemodynamic Implications of Pharmacological Management of Hypertension"

Foothills Hospital Health Science Building, December 3, 1990, Calgary, Canada

147. "Cardiac Impedance - Clinical Validation"

Garden City Medical Center, Pfizer Lecture, January 3, 1991, Missoula, Montana

148. "Hemodynamic and Central Neural Factors in the Evaluation and Prescription of Hypertension"

Saint Patrick Hospital, Pfizer Lecture, January 4, 1991, Missoula, Montana

149. "Computerized Impedance Cardiography: A Cost Effective Noninvasive Technology for Hemodynamic Evaluation"

Texas Tech University Health Sciences Center, January 31, 1991, El Paso, Texas

150. "Percutaneous Management of Peripheral Vascular Disease"

Cardiology Update '91, February 1, 1991, El Paso, Texas

### **Presentations: Lectures and Papers**

151. "P.C. Computerized Impedance Cardiography - An Affordable, Accurate Technology for Noninvasive Hemodynamic Evaluation"  
Texas Tech University Health Sciences Center, Internal Medicine Grand Rounds, November 21, 1991, Lubbock, Texas
152. "Impedance Cardiography Update: Diagnostic Uses of Reynolds Wrap"  
Vista Hills Medical Center, November 22, 1991, El Paso, Texas
153. "Update on Hypertension"  
Methodist Hospital, Pharmacology Seminar, February 19, 1992, Lubbock, Texas
154. "Hemodynamics in Hypertension"  
South Park Medical Center, Staff Meeting, February 25, 1992, Lubbock, Texas
155. "Hemodynamic Implications in Pharmacological Management of Hypertension"  
Medical Center Hospital, April 30, 1992, Odessa, Texas
156. "Hemodynamics and Pharmacological Management of Hypertension"  
Midland Memorial Hospital, Staff Development Program, October 11, 1992, Midland, Texas
157. "Hemodynamic Approach to the Management of Hypertension and its Complications"  
Cannon Air Force Base, Medical Staff, July 15, 1993, Clovis, New Mexico.
158. "Stroke Prevention in Chronic Non Valvular A Fib"  
Tri County Medical Society, October 12, 1993, Plainview, Texas
159. "Stroke Prevention in NVAF"  
Texas Tech University Health Sciences Center - Department of Family Practice, October 26, 1993
160. "Non-Valvular Atrial Fibrillation and Stroke Prevention"  
Texas Tech University Health Sciences Center Healthnet, Rural Practitioners February 9, 1994.
161. "Update on Acute Myocardial Infarction"  
"Prime Time for Seniors", Channel 5 KTXT, May 13, 1994 - Lubbock, Texas
162. "Myocardial Infarction"  
"Medical Physiology Lecture Series "Texas Tech University Health Sciences Center- Department of Physiology First Year Medical School:
163. Pressure and Flow in Arterial / Venous Systems January 16, 1996
164. Microcirculation January 17, 1996
165. Coronary Circulation, Atherogenesis January 22, 1996

### **Exhibits:**

**Design of Commercial Exhibit and Research Project entitled: Hyper physiologic Reactivity Testing. On display at the following national meetings:**

1. American College of Cardiology, March 21-24, 1983. New Orleans, LA.
2. American College of Cardiology, April 11-14, 1983. San Francisco, CA.

3. American College of Cardiology, March 26-29, 1984. Dallas, TX
4. American College of Physicians, April 26- 9, 1984. Atlanta, GA.
5. American Nurses Association, June 22-28, 1984. New Orleans, LA.
6. National Medical Association, July 29-August 4, 1984. Montreal, Canada.
7. American Society of Hospital Pharmacists, December 2-6, 1984. Dallas, TX
8. 34th Annual Scientific Session of the American College of Cardiology, March 10-14, 1985. Anaheim, CA.
9. American College of Physicians, March 27-31, 1985. Washington, D.C.

**Design of Scientific Exhibit entitled: Stress and Cardiovascular Risk. On display at the following national meetings:**

1. National League of Nursing, June 1-4, 1983. Philadelphia, PA.
2. Interstate Postgraduate Medical Association Meeting, October 31-November 2, 1983. Hollywood, FL.
3. California Medical Association, February 10-14, 1984. Anaheim, CA.
4. American Academy of Family Physicians, October 8-11, 1984. Kansas City, MO.

**Panel Participation:**

1. Lopressor Advisory Committee, April 25-26, 1983. Convent Station, NJ.
2. "Stress and Cardiovascular Disease"
3. Arista Research Associates, Inc., June 18, 1984. Scottsdale, AZ.
4. "Hypertension and Anti-hypertension Agents"
5. Arista Research Associates, Inc., and Schering Corporation, June 13, 1985.
6. "Labetalol Market Research Program"

**Pharmaceutical Research Study Experience**

Protocols Designed by James C. Buell, funded, and completed

Hemodynamic effects of Labetalol in young and older adult hypertensives (Glaxo)

Hemodynamic effects of an atriopeptidase inhibitor in hypertension (Schering Plough)

Phase III Trials Participated in as Primary Investigator

Cilazapril in Hypertension

Fosinopril in Hypertension

TOPAS trial of recombinant DNA urokinase vs. surgery for acute peripheral arterial occlusion

Azimilide in atrial fibrillation

Octave Trial Omapatrilat in hypertension