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Russell M. Jaffe, MD, Ph.D., CCN

CURRICULUM VITAE

- Board Certifications DIPLOMATE, National Board Medical Examiners **(1973)**
DIPLOMATE, American Board of Pathology for Clinical and Chemical Pathology **(1973-1975)**
- Medical and Surgical
Licenses New York and California
BNDD Number: BJ25537390 NRC (Radioisotopes) Users Number – NIH 982 **(1973)**
- Education Boston University College of Liberal Arts, A.B., Cum Laude **(1972)**
Boston University 6-Year Medical Program, MD., Senior Thesis Honors **(1972)**
Boston University Division of Medical Sciences, Ph.D., Biochemistry **(1972)**
Medical Internship, University Hospital, BUMC, Boston, MA **(1972-3)**
Residency, Clinical Pathology, National Institutes of Health Bethesda, MD **(1973-5)**
- Appointments National Institutes of Health and Clinical Center, CPD, Bethesda, MD **(1973-9)**
* Resident **(1973-5)**
* Senior Staff Physician, Clinical Pathology Department **(1975-9)**
Fellow, Health Studies Collegium **(1979 to present)**
Light Foundation - Board of Governors **(1980-99)**
Director, Princeton BioCenter **(1989-92)**
- Supplemental
Training Pathobiology Conference – Aspen, CO **(Aug 8-17 1969)**
Advanced Course in Electron Microscopy – Northeastern University, Boston, MA
Professor Keith Porter & Faculty **(Jan 8-19 1970)**
Course in Acrylamide Electrophoresis, Gelman Corp – Boston, MA **(Aug 9-14 1970)**
Synectics Training Course – Cambridge, MA **(Aug 9-17 1971)**
American Projective Drawing Institute – Emanuel Hammer, Ph.D. **(Aug 8-14 1976)**
Certified Clinical Nutritionist, CCN **(1990)**
- Military Service Lieutenant Commander, U.S. Public Health Service **(1973-7)**
Commander, U.S. Public Health Service **(1977-9)** (Resigned)
- Editorships Associate Editor, *The New Physician* **(1971-2)**
Senior Associate Editor, *The New Physician* **(1972-3)**

Selected Scientific Abstracts

Mechanism of Cross-Linkage Inhibition by Penicillamine, in *Texas reports on Biology and Medicine* (**Spring 1971**)

Aggregation of Platelets by purified Collagens, FASEB, Atlantic City, NJ, *Fed Proc* 31:243 (**1972**)

Ascorbic Acid (Vitamin C) Inhibits Occult Blood Detection in stool, *AFCR*, Atlantic City, *Clinical Research* 22:453 (**1973**)

Aggregation of Platelets by Different Collagens, AHA, Dallas, Texas, *Circ.Sup* 3:289 (**1974**)

Role of Quaternary Structure in Collagen: Platelet Interaction, *AFCR*, Atlantic City, NJ, *Clinical Research* 23:276 (**1973**)

Role of Quaternary Structure in Collagen Binding to and Aggregation of Platelets (with Daniel Deykin), *Texas Rep Biol Med* 33:4 (**1975**) 586.

Science and Wellness: The New Medicine, *Annals American Public Health Assoc.*, 104:4080 (**1977**)

The Effect of Cholesterol Supplementation on the Composition of Phospholipids from Platelets and Erythrocytes of Dogs Fed Diets high in Tallow or Cottonseed Oil, R.E. Pitas, G.J. Nelson, R.M. Jaffe, and R.W. Mahley, American Oil Chemists Society St. Louis, MO (**May 1978**)

Oxidized Cholesterol and Atherosclerosis. *Common Knowledge*. 4:14 (**Winter 1980**)

Clinical and Research Interest

- Nutritional Immunology, Evoking the Human Healing Responses, Systems biology
- Methodologies and treatment protocols for chronic, autoimmune illness

Special Training: Oriental Medical Strategy in Western Medical Practice, HSC, N.Y. (**1980-5**)
 Programs with Certification Principal Faculty

Invited Addresses, Symposium, and Colloquia:

Dr. Jaffe has given over 1,000 invited addresses, workshops, symposia and colloquia.
 Dr. Jaffe accepts no more than 50 invitations to present worldwide each year.

Russell M. Jaffe, MD, Ph.D., CCN

Bibliography, abstracts and online presentations

01. Franzblau C, Faris B, Salcedo L, Jaffe R and Crombie G. Chemistry and Biosynthesis of cross-links in Elastin. In *Chemistry and Molecular Biology of the Extracellular Matrix* (Balazas, Ed.) Academic Press, Pg 617-641. **(1970)**
02. Jaffe R Interment of the Internship. *The New Physician*, Pg 701-711. **(Nov 1971)**
03. Jaffe R Managing the Drug Abuse Crisis. *The New Physician* Pg 218-222. **(April 1972)**
04. Jaffe R Report of the Second National Student Conference on Medical Education. *SAMA Press* Pg 142 **(1972)**
05. Jaffe R, Blatti G, Doerr E. Drug information Syllabus I: Cannabis. *SAMA Press* Pg 12 **(1972)**
06. Jaffe R, Blatti G, Doerr E. Drug information Syllabus II: Hallucinogens. *SAMA Press* Pg 24 **(1972)**
07. Jaffe R, Blatti G, Doerr E. Drug information Syllabus III: Stimulants. *SAMA Press* Pg 10 **(1972)**
08. Jaffe R, Blatti G, Doerr E. Drug information Syllabus IV: Narcotics. *SAMA Press* Pg 16 **(1972)**
09. Jaffe R, Blatti G, Doerr E. Drug information Syllabus V: Sedatives. *SAMA Press* Pg 10 **(1972)**
10. Jaffe R, Blatti G, Doerr E. Drug information Syllabus VI: Tranquilizers. *SAMA Press* Pg 10 **(1973)**
11. Jaffe R and Deykin D. Evidence for the Structural Requirement for the Aggregation of Platelets by Collagen. *J Clin Invest* 53:875-883. **(1974)**
12. Jaffe R and Deykin, D. Proceedings: Bindings of Collagen to Platelets. *Thromb Diath Haemorrh* 34 (1): 330-332. **(1975)**
13. Jaffe R, Kasten B, MacLowry K, Young D. False Negative Occult Blood Tests Caused by Ascorbic Acid *Ann Int Med* 83:824-826. **(1975)**
14. Jaffe R, Zierdt W. An Occult Blood Test Procedure not Subject to Inhibition by Reducing Substances. *J Lab Clin Med*, 93:879-886 **(1975)**
15. Jaffe R. Platelet Interaction with Connective Tissue. In *Physiological Reaction of Blood Platelets*, Gordon, (Ed) Elsevier Pg 261-292. **(1976)**
16. Jaffe R. The Science of Wellness Medicine, *Proceedings 2nd International Symposium on Human Functioning*. Biosynergetics Institute. Wichita, KS. **(1977)**
17. Pitas R, Nelson C, Jaffe R, Mahley R. 15,18-tetracosadienoic Acid Content of Sphingolipids from Platelets and Erythrocytes of Animals Fed Diets High in Saturated or Polyunsaturated Fats. *Lipids*, 13: 551-556 **(1978)**
18. Spiro, T, Jaffe R, Holland P, Alter H. A Study of Street Heroin Lots for the Presence of the Hepatitis B Surface Antigen, *Drug and Alcohol Dependence*, 6: 393-397 **(1978)**
19. Jaffe R, Lawrence L, Schmid A, MacLowry K. Inhibition of Ascorbic Acid (Vitamin C) of Chemical Detection in urine. *Am J Clin Path* 42:468-470 **(1979)**
20. Jaffe R. Health in the 80's: toward Optimum Existence. In *Through the 80's: Thinking Globally and Acting Locally*, Ed Feather *World Future Society*. Washington DC Pg 356 **(1980)**
21. Jaffe R. Continuing Care Service and Wellness Medicine. *Archives of Thanatology* 8:2. **(1980)**
22. Jaffe R. The House Officer and the Dying Patient, In *Wellness Medicine and the Dying Patient*. Kutscher (Ed), Arno Press, NY, Chapter 10, **(1980)**
23. Jaffe R, Bell I. Ecological Factors in Learning and Behavioral Disorders. *Osteopathic Physician*. 47: 25-33 **(1980)**
24. Jaffe R. Indoor Environmental Quality: Report to the Governor. Dept. Consumer Affairs. Sacramento, CA. 397pp **(1981)**

25. Jaffe R, Gerzoff S. Directory of Experts in Indoor Pollution, Dept. of Consumer Affairs, Sacramento, CA. 88p (1981)
26. Jaffe R, Spohn R, Clean Your Room: Indoor Environmental Quality and Indoor Pollution. Dept. of Consumer Affairs, Sacramento, CA. Pg 8220 (1981)
27. Jaffe R. Malathion: Risk, Benefit, Safety, and Biological Chemistry. *Health Studies Collegium*, Vienna, VA. Pg 157 (1982)
28. Jaffe R. Heptachlor: Risk, Benefit, Safety, and Biological Chemistry. *Health Studies Collegium*, Vienna, VA. Pg 99 (1983)
29. Jaffe R. Immune Reconstitution Protocol: testing Bechamp's Hypothesis. *Health Studies Collegium*, Vienna, VA. Pg 48 (1983)
30. Jaffe R. Risk Analysis and Health Assessment. *Health Studies Collegium*, Vienna, VA. Pg 75 (1984)
31. Jaffe R, Bellardo T. Directory of Experts in Indoor Pollution, *Health Studies Collegium*, 2nd Edition. Pg 104 (1985)
32. Jaffe R. Scenarios of health: The Transformation Hypothesis Re-evaluated. *World Future Society Proceedings*, Bethesda, MD (1985)
33. Jaffe R. Scenarios of health: The Transformation Hypothesis Re-evaluated. *Health Studies Collegium*, Vienna, VA. Pg 44 (1985)
34. Jaffe R. Delayed Hypersensitivity in Chronic Illness and Health. *Health Studies Collegium*, Vienna, VA. Pg 44 (1985)
35. Jaffe R. Delayed Allergy and inflammation: Link to Autoimmunity. *Health Studies Collegium*, Vienna, VA. Pg 33 (1985)
36. Jaffe R. "Allergy" in Classical Terms. *Health Action Report*, Vienna, VA; 1:1-4 (1985)
37. Jaffe R. Extension of ELISA Testing to Cell Systems: The ELISA/ACT test. *Health Studies Collegium*, Vienna, VA. Pg 22 (1986)
38. Jaffe R, Liers H. Handbook of ELISA/ACT Program. *Health Studies Collegium*, Vienna, VA. 50p (1986)
39. Jaffe R. Immune Reconstitution: A Programmatic Approach *Health Studies Collegium*, Vienna, VA. 75p (1987)
40. Jaffe R, Yanick P (Eds.) *Clinical Chemistry and Nutrition Guidebook: A Physician's Desk Reference*, Lake Ariel, PA, T&H Press (1988)
41. Jaffe R, DeRenzo E. Immune Status in the Elderly, In *Clinical Chemistry and Nutrition Guidebook: A Physician's Desk Reference*, (Jaffe R, Yanick P, Eds.) (1988)
42. Improved Immune Function Using Specific Nutrient Supplementation and ELISA/ACT "Immunologic Fingerprint" to detect Late Phase Responses *Ex Vivo*. *J Am Col Nutr*, 8(5) 424 (1989)
43. Jaffe R, Eosinophilia-Myalgia Syndrome Caused by Contaminated Tryptophan. *Intl J Biosocial Med Res*; 11(2): 181-184 (1989)
44. Jaffe, R. Immune Defense and Repair Systems: Clinical Approaches to immune Function and Testing and Enhancement. *Townsend Letter for Doctors and Patients* Part 1: #79/80: 88-92; Part 2: #81/82: 38-44; Part 3: #83/84: 59-64 (1989)
45. Biochemical indices of Vitamin status in response to supplement use. Singh A, Jaffe R, Moses F, Dohoda V, Moran R, Kealey B, and Deuster PA. *Am J Clin Nutr* 51:523 (1990)
46. Jaffe R, D-Glucaric Acid Urine: A Non-invasive Test for Chemical Toxicity. *Int Clin Nut Rev*; 10: 265-266 (1990)
47. Jaffe R. Clinical and Laboratory Suggestions for Chronic Fatigue Syndrome. *Int Clin Nut Rev*; 11: 85-91 (1991)
48. Jaffe R. Eosinophilia Myalgia Syndrome (EMS) Secondary to Contaminated Tryptophan. Clinical Experience *J Nut Med*; 2: 195-200 (1991)
49. Jaffe R, Kruesi O, The Biochemical Immunology Window: A Molecular View of Psychiatric Case Management. *J App Nut*; 44:26-43 (1992)
50. Jaffe R. Tryptophan update: Helpful Adjunct and Innocent Bystander. *J Nutr Med* 4:133-139. (1994)
51. Deuster PA and Jaffe R. A Novel Treatment for fibromyalgia improves Clinical Outcomes in a Community Based Study. *J Musculo Pain* 6:133-149. (1998)
52. Jaffe R. Autoimmunity: Clinical Relevance of Biological Response Modifiers in Diagnosis, Treatment and Testing, Part I. *Intl J Integrative Med*, 2 (2): 16-22. (2000)
53. Jaffe R. Autoimmunity: Clinical Relevance of Biological response Modifiers in Diagnosis, Treatment, and

- Cofactor Replacement, Part II. *Intl J Integrative Med* 2 (4): 58-65. **(2000)**
54. Jaffe, R. Brown S. Acid-Alkaline balance and its Effect on Bone Health. *Intl J Integrative Med* 2 (6): 7-18. **(2000)**
 55. Mehl-Madrona L, Jaffe RM. A Computer Simulation Model to Predict outcome in Diabetes. Invited paper, IASTED Conference on Computer Modeling. Innsbruck, Austria, February 20, 2002. **(2002.)**
 56. Jaffe R. First Line Comprehensive Care. Part I: Chronic Autoimmune Disease Management by Causes Rather than Symptomatic Consequences. *Seminars in Integrative Medicine* (Jun); 3 (2): 44-60. **(2005)**
 57. Jaffe R. First Line Comprehensive Care. Part II: Anthropogenic Xenobiotics in Functional Medicine. Managing Persisting Bioaccumulating Pollutants: Toxic Minerals, Biocides, Hormone Mimics, Solvents, and Chemical Disruptors. *Seminars in Integrative Medicine* (Sep) 3; (3): 79-92. **(2005)**
 58. Jaffe R. Functional Lab Tests to Evaluate Immune Competencies in Chronic Illness and Chronic Infection: Part 1. *Townsend Letter for Doctors and Patients* Jan: 87-89. **(2006)**
 59. Jaffe R. Functional Lab Tests to Evaluate Immune Competencies in Chronic Illness and Chronic Infection: Part 2. *Townsend Letter for Doctors and Patients* 2006; Feb/Mar: 107-109. **(2006)**
 60. Jaffe R. Managing toxic minerals, biocides, hormone mimics, solvents and chemical disruptors. *Nutrition for Musculoskeletal Health*. Ingrid Kohlstadt (Ed), Chapter 30, Marcel Dekker/CRC Press. 522-540 **(2006)**
 61. Jaffe R, Nash R, Ash R, Schwartz N, Corish R, Born T, Lazarus H. Healthcare transparency: Opportunity or mirage. *J Management Development* 2006; 25 (10): 981-995 **(2006)**
 62. Jaffe R, Mani J, DeVane J, Mani H. Tolerance loss in diabetics: Association with foreign antigen exposure. *Diabetic Medicine: A Journal of the British Diabetic Association* Aug; 23(8): 924-925. **(2006)**
 63. Jaffe R, Nash R, Ash R, Schwartz N, Corish R, Born T, Lazarus H. An equation of health: Role of transparency and opacity in developing healthcare efficacy measures and metrics. *J Management Development*; 26 (5): 441-458. **(2007)**
 64. Jaffe R. First-Line Comprehensive Care III Update on Immune System Lab Tests for Fibromyalgia-Chronic Fatigue-Metabolic Syndrome: Continuum of Treatment-Resistant Pain and Fatigue: Optimum Clinical Management Improves Outcomes and Reduces Risks and Treatment Complications as Supported by New Data. *Townsend Letter for Doctors and Patients*; Jan: 87-94. **(2008)**
 65. Jaffe R, Nash R, Ash R, Schwartz N, Corish R, Lazarus H. Role of transparency in managing outcome successes: Causes and 'end use / last cost' as decision guides. *J Management Development*; 27 (10): 1086-1114. **(2008)**
 66. Jaffe R. Functional lab tests to evaluate immune competencies in chronic illness and chronic infection: Part 3. *Townsend Letter for Doctors and Patients*; Jan, 80-90. **(2009)**
 67. Jaffe R, Mani J. Diabetes: Food and Nutrients in Primary Practice in *Food and Nutrients in Disease Management*. Ingrid Kohlstadt (Ed), CRC Press, Feb, 241-255. **(2009)**
 68. Jaffe R. Immune Defense and Repair Systems in Biologic Medicine: Clinical Relevance of Biological Response Modifiers in Autoimmunity: Diagnosis, Treatment, Tests, and Interpretation (Part I). *Townsend Letter for Doctors and Patients*; Oct, 82-89. **(2009)**
 69. Jaffe R. Immune Defense and Repair Systems in Biologic Medicine: Clinical Relevance of Biological Response Modifiers in Autoimmunity: Diagnosis, Treatment, Tests, and Interpretation (Part II). *Townsend Letter for Doctors and Patients*; Nov, 90-98. **(2009)**
 70. Jaffe R. Immune Defense and Repair Systems in Biologic Medicine: Clinical Relevance of Biological Response Modifiers in Autoimmunity: Diagnosis, Treatment, Tests, and Interpretation (Part III). *Townsend Letter for Doctors and Patients*; Dec, 76-80. **(2009)**
 71. Jaffe R. LRA by ELISA/ACT Tests: Lymphocyte Response Assays (LRA) is More Sensitive, Specific, Predictive, and Accurate for Determining Delayed Allergy to Foods and Chemicals: Letter to the Editor. *Townsend Letter for Doctors and Patients*; Aug/Sep, 91-92, **(2010)**
 72. Jaffe R. The Alkaline Way: Integrative Management of Autoimmune Conditions. *Townsend Letter for Doctors and Patients*; Nov, 44-51 **(2010)**
 73. Jaffe R. D-penicillamine in Toxic Metal Detoxification; Protocol presented at the ACAM Conference, April 2010, San Diego. <http://www.youtube.com/watch?v=SY5h6tDF4iw> **(2011)**
 74. Jaffe R. Panel Discussion Question and Answer Session; ACAM Conference, April 2010, San Diego. <http://www.youtube.com/watch?v=D9LkRLE45ik&feature=related> **(2011)**

75. Jaffe R. D- Penicillamine protocol update: Determining toxic and nutritional mineral status by provocation in the urine, Health Studies Collegium. **(1990-2011) 37p**
76. Jaffe R. Fibromyalgia: Resolution of pain by reconditioning immune control and musculoskeletal systems. *Townsend Letter for Doctors and Patients*, 2011; Dec **(2011)**
77. Hyman M, Mani J and Jaffe R, Diabetes and Insulin Resistance: Food and Nutrients in Primary Care in *Advancing Medicine with Food and Nutrients, 2nd Ed.* Ingrid Kohlstadt (Ed), CRC Press 281-289 **(2012)**
78. Jaffe R. Recognizing Gluten-Related Disorders: Comment in Celiac Disease and Non-Celiac Gluten Sensitivity: The Evolving Spectrum by O'Bryan T, Ford R, Kupper C in *Advancing Medicine with Food and Nutrients, 2nd Ed.* Ingrid Kohlstadt (Ed), CRC Press **(2012)**
79. Jaffe, R. Diabetes as an Immune Dysfunction Syndrome in *Bioactive Food as Dietary Interventions for Diabetes*. Edited by Ronald Ross Watson and Victor Preedy, Academic Press. San Diego, p41-52 **(2013)**
80. Jaffe R. Functional Assessment in Gastrointestinal Health in *Bioactive Food as Dietary Interventions in Liver and Gastrointestinal Disease*. Ronald Ross Watson & Victor Preedy (Eds), Academic Press, 22-35 **(2013)**
81. Jaffe R. The Alkaline Way in Digestive Health in *Bioactive Food as Dietary Interventions in Liver and Gastrointestinal Disease*, Ronald Ross Watson & Victor Preedy (Eds), Academic Press, 1-21 **(2013)**
82. Jaffe R. Cardioprotective Nutrients in *Bioactive Food as Dietary Interventions in Cardiovascular Disease*. Ronald Ross Watson & Victor Preedy (Eds), Academic Press, San Diego, 103-119 **(2013)**
83. Jaffe R. The Alkaline Way: Integrative Management of Rheumatoid Arthritis and Other Autoimmune Conditions in *Bioactive Food as Interventions for Arthritis and Related Inflammatory Diseases*, Ronald Ross Watson & Victor Preedy (Eds), Academic Press. San Diego p97-112 **(2013)**.
84. Jaffe R and Mani J, Rethink Health: Inflammation Is Actually Repair Deficit: Using Physiology First to Achieve Better Outcomes, Part 1: Value and Importance of Understanding Inflammation as Repair Deficit. *Townsend Letter for Doctors and Patients*. 2013, Jun (359): 68-74. **(2013)**
86. Jaffe R and Mani J, Rethink Health: Inflammation Is Actually Repair Deficit: Using Physiology First to Achieve Better Outcomes Part 2: The Alkaline Way is a Synthesis of Synergistic Healthful Habits *Townsend Letter for Doctors and Patients*. 2013, Jul (360): 68-74. **(2013)**
87. Jaffe R and Mani J. Polyphenolics Evoke Healing Responses: Clinical Evidence and Role of Predictive biomarkers. In: Watson RR, Preedy VR and Zibadi S, Editors. *Polyphenols in Human Health and Disease*, Academic Press, 2014: p 695-705. **(2014)**

*** Additional references available upon request ***

Selected Awards & Honors	America's Top Physicians International Scientist of the Year 2003, IBC, Oxford, England Who's Who in America, and others Norman E. Clarke Sr. Lecture, American College for Advancement in Medicine Colorado Springs, CO Research Committee, Illuminating Engineers Society of North America YPO 200 Dept. of Consumer Affairs, State of California, Project Manager, Indoor Environment Quality Study, Sacramento, CA American Academy of Medical Preventics, National Research Awardee June 17. 1979 Denver, CO Thanatologic Aspects of Aging: The Well, The Ill, The Family and the Staff, New York, NY 2nd International Symposium on Human Functioning: Distinguished Faculty Wichita, KA J.D. Lane Award (U.S.P.H.S.) Junior Investigator, Denver, CO Exhibitor and Awardee, American Medical Association Annual Meeting SQUIBB Exhibit Award Winner UTMB-SAMA Nat'l Research Forum, First Place, Graduate Student Category	(2005-2013) (2003) (1995) (1992) (1981) (1981) (1980) (1979) (1978) (1978) (1975) (1971) (1971) (1970)
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Mead Johnson, "Excellence in Research Award"
Boston University Assembly, Outstanding Service Award
Boston University, "Senior of the Year"

(1969)
(1966)
(1966)

Scientific Associations & Membership References

01. American Medical Association (AMA)
(800) 621-8335 **Contact:** Member Services
02. American College of Allergy, Asthma and Immunology
(847) 427-1200 **Contact:** Jean Lynch
03. American Association of Clinical Chemists
(800) 892-1400 **Contact:** Client Services
04. Virginia Medical Association
(804) 353-2721 Ext/ 1043 **Contact:** Jennifer Hedge, Director of Memberships
05. American Society for Investigative Pathology, (FASEB)
(301) 634-7130 **Contact:** Mark E. Sobel, MD, PhD
06. American College of Nutrition
(727) 446-6086 **Contact:** Santa Henriquez
07. American Society of Internal Medicine / College of American Physicians
(215) 351-2704 **Contact:** Christy Kroupa
08. Royal Society of Medicine (Overseas Fellow)
London / 011-44 207290-2900 **Contact:** Jo Parkinson, Director
09. International College of Integrative Medicine
(419) 369-4837 **Contact:** Mr. & Mrs. Bob Angus
10. New York Academy of Science
(212) 838-0230 **Contact:** Membership Services
11. Federation of Clinical Immunology Societies
(301) 634-7000 **Contact:** Gail Pender
12. American Association of Bioanalysts
(314) 910-0231 **Contact:** Dr. Mark Birenbaum
13. College of American Pathologists
(800) 323-4040 Ext/ 7309 **Contact:** LoAnne Tran
14. American Academy for the Advancement of Science
(202) 326-6417 **Contact:** Membership Services
15. Commissioned Officers Association of the PHS (Retired)
(301) 731-9080 **Contact:** Matt Sigafoose