

Dr. TERRY M. RAUCH
Terry.Rauch@HA.OSD.MIL
Office: 703-681-8390

EDUCATION

Ph.D., University of Cincinnati (Interdisciplinary: Biology & Psychology), Cincinnati, Ohio
B.S., University of Cincinnati (Psychology), Cincinnati, Ohio
Diploma, U.S. Army War College

PROFESSIONAL SUMMARY

Dr. Rauch serves as the Director of the Defense Medical Research and Development Program in the Office of Force Health Protection and Readiness Programs. He has responsibility for the Defense Health Program (DHP) R&D portfolio content, through the following:

1. Strategic coordination and oversight of the DHP R&D programs.
2. Responsibility for the planning, programming, budgeting and execution oversight of the DHP R&D program. Establishing DHP R&D portfolio performance metrics and assessing the DHP R&D portfolio performance.
3. Oversee DHP implementation of the Office of the Secretary of Defense directed R&D program guidance; represent the DHP on defense research and development advisory groups and recommend R&D areas of investment; act as interface to the Office of the Secretary of Defense and other Department of Defense components to address joint medical R&D issues, programs and plans.
4. Assure that the DHP R&D portfolio is responsive to warfighter capability gaps and accountable for delivering results including advanced development and fielding, when scientifically supportable.

Dr. Rauch has over 30 years of experience in many facets of the Military Health System and has held numerous senior level positions in the Army and the Office of the Secretary of Defense. As a senior military officer he served as the Chief of Staff to the Assistant Secretary of Defense for Health Affairs, and served as principal advisor to four Assistant Secretaries of Defense for Health Affairs on matters pertaining to biomedical research, development and acquisition as well as medical products and devices needed to protect U.S. military forces against Chemical, Biological, Radiological & Nuclear (CBRN) threats. He Commanded the U.S. Army Public Health Command-Europe, a scientific and technical organization that provided comprehensive preventive medicine services to garrisoned U.S. Army forces in Europe. Dr. Rauch served as the Chairman of the North Atlantic Treaty Organization (NATO) Working Group on Preventive Medicine advising Stabilization Forces–Bosnia and Stabilization Forces–Kosovo on preventive medicine matters. As Deputy Commander, and then later as Chief of Staff, of the U.S. Army Medical Research and Materiel Command he supported the daily management and integration of a medical research, development, and acquisition program encompassing 11 subordinate laboratories in six countries, 3,000 personnel, and over \$1 billion in funding.

Dr. Rauch retired as a Colonel from the U.S. Army on 1 October 2005 and joined Science Applications International Corporation (SAIC) as a Senior Principal Life Scientist. At SAIC, he focused on comprehensive strategic planning and analysis for the Office of the Secretary of Defense on matters relating to Defense biomedical research, development and acquisition investment strategies and their supporting infrastructure. His focus was also on planning and analysis of drug discovery and medical product development in support of the Department of Defense and National Institutes of Health, as well

as health policy analysis and product development in support of medical countermeasures for Joint Force Health Protection and to protect the public health. He left SAIC in March 2009 for his current position.

He has served as an expert medical witness for the U.S. Department of Justice as well as private industry on anthrax vaccine safety and efficacy and authored numerous scientific and technical publications in the field of psychology, neurosciences, and national security matters. Dr. Rauch is widely sought after as an expert on business process and management transformation in biomedical research, development and acquisition. Dr. Rauch represented the United States in the World Military Cross Country Championships, and was a three-time member of the All Army Marathon team, twice selected as team captain. His military awards include the Defense Superior Service Medal (with 2 oak leaf clusters), Legion of Merit, Meritorious Service Medal (with 4 oak leaf clusters), Order of Military Medical Merit, Expert Field Medical Badge, Parachutist Badge, and Air Assault Badge.

PROFESSIONAL EXPERIENCE

April 2009 to present

Director, Defense Medical Research and Development Program, Office of Force Health Protection and Readiness Programs, 7700 Arlington Boulevard, Falls Church, VA 22042. Dr. Rauch is under the Intergovernmental Personnel Act (IPA) with the US Army Medical Research and Materiel Command and is detailed to serve as the Program Director. He has responsibility for the Defense Health Program (DHP) R&D portfolio content, through the following:

1. Strategic coordination and oversight of the DHP R&D programs.
2. Responsibility for the planning, programming, budgeting and execution oversight of the DHP R&D program. Establishing DHP R&D portfolio performance metrics and assessing the DHP R&D portfolio performance.
3. Oversee DHP implementation of the Office of the Secretary of Defense directed R&D program guidance; represent the DHP on defense research and development advisory groups and recommend R&D areas of investment; act as interface to the Office of the Secretary of Defense and other Department of Defense components to address joint medical R&D issues, programs and plans.
4. Assure that the DHP R&D portfolio is responsive to warfighter capability gaps and accountable for delivering results including advanced development and fielding, when scientifically supportable.

August 2005 to March 2009

Senior Principal Life Scientist, SAIC, Frederick, Maryland

Dr. Rauch leads a group of senior scientists and policy analysts on SAIC support contracts focused on comprehensive strategic planning and analysis for the Office of the Secretary of Defense on matters relating to Defense biomedical research, development and acquisition (RDA) investment strategies and their supporting infrastructure, drug discovery and medical product development in support of the National Institutes of Health, as well as health policy analysis in support of medical countermeasures to protect the public health.

2004 to 2005

Director, Office of Medical CBRN Defense Policy, Office of the Assistant Secretary of Defense (Health Affairs), Washington, DC

Dr. Rauch directed and supervised a professional staff of senior scientists responsible for advising the Assistant Secretary of Defense for Health Affairs and Deputy Assistant Secretary of Defense for Force Health Protection and Readiness on all matters pertaining to medical products and devices needed to protect U.S. military forces against CBRN threats. As such he exercised oversight of the implementation of the Department's worldwide Anthrax and Smallpox Vaccination Programs and their requisite health policies and surveillance activities. He provided health policy support necessary for procurement, sustainment and improvement of fielded medical countermeasures to include anthrax and smallpox vaccines, Investigational New Drug products and the first approved and implemented Emergency Use Authorization for anthrax vaccination of selected Department of Defense personnel. He represented the Assistant Secretary and Deputy Assistant Secretary on interagency work groups and matters related to national preparedness and response to CBRN threats.

2002 to 2004

Chief of Staff to the Deputy Assistant Secretary of Defense (Force Health Protection & Readiness), Washington, DC

Dr. Rauch directed, organized and supervised a professional staff of senior level defense analysts responsible for policy, programs and procedures affecting the force health protection and medical readiness of all active duty service members worldwide. He served as the principal and senior staff advisor to the Deputy Assistant Secretary of Defense for Force Health Protection and Readiness. He exercised direction, authority and control over professional staff actions, programs and resources within

the Office of the Deputy Assistant Secretary. Dr. Rauch supervised all major tasks and responsibilities that guide and direct policy for the provision of care in support of readiness and contingency operations and facilitated deployment of fully trained and equipped medical personnel and units.

2001 to 2002

Chief of Staff, U.S. Army Medical Research and Materiel Command (USAMRMC), Fort Detrick, Maryland

Dr. Rauch directed and supervised the Headquarters staff of the US Army Medical Command's major subordinate command responsible for executing the Army's medical research, development, acquisition and materiel programs. He directed and coordinated administrative support functions for 11 CONUS-based and 4 OCONUS-based laboratories and logistics support activities with annual funding exceeding \$1 billion and over 4,000 military, civilian, and contract personnel. Dr. Rauch provided guidance and direction for administrative operations of all subordinate units, ensuring compliance with Command policies and regulatory requirements. He provided the strategic framework for effective communication and coordination of actions and resolution of issues within the Headquarters and ensured that adequate internal control procedures were in effect for administrative support elements of the Headquarters.

1999 to 2001

Commander, U.S. Army Public Health Command-Europe, Landstuhl, Germany

Dr. Rauch directed a scientific and technical organization that provided comprehensive, expert-level preventive medicine services to deployed and garrisoned U.S. Army forces in Europe, the Balkans, and Southwest Asia through consultative, instructional, analytical, and on-site field surveys. He was responsible for 160 military and civilian scientific and technical personnel, including 50 personnel who provided continuous on-site occupational health services from 11 sites in Italy, Belgium, and Germany. He deployed task-organized rapid response technical teams in support of Army forces in the Balkans, Southwest Asia, and Africa, and was responsible for the management of an \$8 million annual budget for the Center.

1999 to 2001

Chairman, North Atlantic Treaty Organization (NATO) Working Group, Brussels, Belgium

Dr. Rauch chaired the NATO Preventive Medicine Working Group and established the first deployment health surveillance program of disease and non-battle injuries for NATO forces in the Balkans. He also established the definitive position for NATO regarding the health effects of depleted uranium on deployed forces in the Balkans and served as health advisor to Stabilization Forces–Bosnia and Stabilization Forces–Kosovo for deployment related preventive medicine matters.

1998 to 1999

Chief of Staff, Office of the Assistant Secretary of Defense for Health Affairs, Pentagon, Washington, DC

Dr. Rauch exercised full supervisory responsibility over the immediate staff of the Office of the Assistant Secretary of Defense for Health Affairs. He was responsible for the daily executive management and oversight of all administrative and business functions of the office. He exercised authority, direction, and control over all staff actions from the Office of the Secretary of Defense, Office of the Joint Chiefs of Staff, Military Departments, the White House, and Congress whose resolution directly contributed toward the provision of health care to 1.6 million active duty personnel and 6.4 million other eligible beneficiaries through the \$15 billion Defense Health Program. Dr. Rauch also served as the senior advisor to the Assistant Secretary on biomedical research and development issues, on matters that relate to the health effects of Weapons of Mass Destruction, and recommended immunization strategies, pre-treatment regimes, and treatment protocols necessary to protect and treat Department of Defense personnel. In addition, he represented the Department of Defense on technical level interagency committees to include National Security Council Interagency Working Groups (IWGs).

1997 to 1998

Deputy Commander, US Army Medical Research and Materiel Command, Fort Detrick, Maryland
Dr. Rauch directed the daily management and integration of a medical research, development, and acquisition program encompassing 11 subordinate laboratories in six countries, 3,000 personnel, and over \$1 billion in funding. He managed the day to day operations of a diverse medical research, development and acquisition portfolio to include infectious diseases, combat casualty care, operational medicine, telemedicine, medical chemical and biological defense, as well as high Congressional interest programs in breast and prostate cancer. He served as the principal headquarters director for science and technology as well as Chairman of the Program Budget Advisory Committee. He recommended the Command investment strategy, long-range research and development priorities, and mission objectives and ensured that the full capability of Command assets was dedicated to solving Army and Department of Defense medical material deficiencies.

1994 to 1997

Director, Office of Medical Systems, Office of the Assistant Secretary of the Army for Research, Development & Acquisition (RDA) and Senior Policy Advisor to the Assistant Secretary of Defense for Health Affairs, Pentagon, Washington, DC

Dr. Rauch served as the subject matter expert to the Assistant Secretary of the Army (RDA) and Assistant Secretary of Defense for Health Affairs on medical science, technology, and acquisition matters and on health matters related to Weapons of Mass Destruction. He established and maintained working relationships with senior offices within the Office of the Secretary of Defense, the Joint Staff, Commanders-in-Chief, the Military Departments, and other federal departments. His specific focus was on peacetime, contingency use of immunizations against biological warfare agents, and pre-treatment and/or treatment strategies against biological and chemical warfare agents. He also represented the DoD on all technical level interagency committees including National Security Council IWGs.

1993 to 1994

Deputy Director for Scientific Activities, Deputy Assistant Secretary of Defense for Clinical Policy, Pentagon, Washington, DC

Dr. Rauch analyzed, developed, and managed DoD policies in preventive medicine and health promotion and wellness. He developed and recommended the investment strategy for the Defense medical science and technology programs. He also served as DoD scientific liaison with other federal agencies and professional organizations on medical science and technology matters, disease prevention, and health promotion and wellness programs.

1992 to 1993

Senior Budget Analyst for Medical Research and Development, Deputy Assistant Secretary of Defense for Health Budgets, Pentagon, Washington, DC

Dr. Rauch served as the primary Senior Budget Analyst for the consolidated Defense Medical Research, Development, Test, and Evaluation (RDT&E) budget valued at over \$300 million. He developed the first Budget Estimate Submission, President's Budget, and Future Years Defense Program for the Defense Medical RDT&E. He developed and executed budget allocation initiatives and execution strategies for current year programs, and he prioritized research and development programs and reviewed current year execution. He was singularly responsible for medical R&D planning, programming, budgeting and execution functions in the Defense Health Program.

1990 to 1992

Technology Staff Officer, Deputy Assistant Secretary of the Army for Research, Development and Acquisition, Pentagon, Washington, DC

Dr. Rauch planned, programmed, and budgeted the Army medical science and technology initiatives valued at over \$200 million. He developed and recommended technologies for rapid insertion into the Desert Shield and Desert Storm operations. He also served as the technical-level expert to identify and

recommend drug and immunization strategies to counter Weapons of Mass Destruction.

1984 to 1990

Director, Division of Medical Neurosciences, U.S. Army Research Institute of Environmental Medicine, Natick, Massachusetts

Dr. Rauch directed and supervised the scientific and research activities of a \$1 million budget and staff of 20 scientists and technicians in basic neuroscience research and human performance research. He served as lead scientist on 24 research protocols. In addition, he developed and implemented a brain microdialysis laboratory to monitor changes in levels of neurotransmitters or low molecular weight chemicals in the brain of a conscious animal model, an infusion/dialysis technique to deliver drugs directly to brain tissue while simultaneously monitoring tissue response to the drug, survey instruments, and survey-sample designs. He also performed statistical analysis, using descriptive techniques (plots, frequencies, charts, and lists) and inferential and multivariate procedures (e.g., analysis of variance, factor analysis, cluster analysis, and categorical data analysis).

1981 to 1984

Headquarters Staff Officer, US Army Medical Research and Development Command, Fort Detrick, Maryland

Dr. Rauch developed and managed the scientific activities of a \$30 million in-house and extramural program on human physiological performance in environmental extremes, work and fatigue, human factors, and cognitive performance in stressful environments. He also developed and managed investment strategies and research budget allocations for five research laboratories for program execution in support of military operational medicine requirements.

1978 to 1981

Research Psychologist, Army Medical Department Center and School, Fort Sam Houston, Texas

Dr. Rauch served as a principal investigator for 10 research protocols on optimal staffing for the delivery of health care, job satisfaction of health care workers, organizational commitment, time and motion studies of health care delivery tasks, personnel selection and retention factors, and field unit medical readiness assessments. He developed survey instruments and survey-sample designs and performed statistical analysis, using descriptive techniques, (plots, frequencies, charts, and lists), and inferential and multivariate procedures, (e.g., analysis of variance, factor analysis, cluster analysis, and categorical data analysis). In addition, Dr. Rauch served as consultant for the methodology of psychometric and performance measurement, analysis of variance, multivariate experimental designs and other analytic methods in behavioral sciences.

SECURITY CLEARANCE

Top Secret

CERTIFICATIONS AND TRAINING

Defense Acquisition University (Level II Certification in Program Management and Level III Certification in Science and Technology)
U.S. Army War College Diploma
Naval War College Diploma
National Security Management Course
Army Command and General Staff College Diploma

HONORS AND PROFESSIONAL MEMBERSHIPS

Chairman of the Preventive Medicine Working Group, NATO Committee on Military Medicine, Brussels, Belgium
Member of National Institutes of Health Consensus Panel on Gulf War Illnesses, Bethesda, Maryland
Three-time member of All Army Marathon Team (twice team captain)
U.S. National Cross-Country Team competing in the World Military Games

MILITARY ACHIEVEMENTS

Defense Superior Service Medal (with 2 oak leaf clusters)
Legion of Merit
Meritorious Service Medal (with 4 oak leaf clusters)
Order of Military Medical Merit
Expert Field Medical Badge
Parachutist Badge
Air Assault Badge
Office of the Secretary of Defense Identification Badge

SELECTED SCIENTIFIC PUBLICATIONS

Tharion WJ, McMenemy DJ, Rauch TM. "Antihistamine Effects on the Central Nervous System, Cognitive Performance and Subjective States." *Neuropsychobiology* 29(2):97-104, 1994.

Levy A, Stillman MJ, Rauch TM. "Cyclo (His-Pro), d-Amphetamine and Striatal Dopamine: A Microdialysis Study." *Brain Research Bulletin* Jul; 27(1):129-31, 1991.

Levy A, Kong RM, Stillman MJ, Shukitt-Hale B, Kadar T, Rauch TM, Lieberman HR. "Nimodipine Improves Spatial Working Memory and Elevates Hippocampal Acetylcholine in Young Rats." *Pharmacology, Biochemistry and Behavior* Jul; 39(3):781-6, 1991.

Tharion WJ, Harman EA, Kraemer WJ, and Rauch TM. "Effects of Different Weight Training Routines on Mood States" *The Journal of Strength and Conditioning Research* 5 (2):60-65, 1991.

Shukitt-Hale B, Rauch TM, Foutch R. "Altitude Symptomatology and Mood States During a Climb to 3,630 Meters." *Aviation, Space and Environmental Medicine* Mar; 61(3):225-8, 1990.

Tharion W, McMenemy D, Terry A, and Rauch T. "Recovery of Mood Changes Experienced When Running an Ultramarathon." *Perceptual and Motor Skills*, 71, 1311-1316, 1990.

Rauch TM, Lieberman HR. "Tyrosine Pretreatment Reverses Hypothermia-Induced Behavioral Depression." *Brain Research Bulletin* Jan; 24(1):147-50, 1990.

Rauch TM. "Atropine Sulfate Impairs Selective Parameters of Performance in the Morris Water Maze." *Journal of Neural Transmission, Park Dis Dement Sect.* 2(3):159-68, 1990.

Rauch TM, Welch DI, Gallego L. "Hyperthermia Impairs Retrieval of an Overtrained Spatial Task in the Morris Water Maze." *Behavior and Neural Biology.* Nov; 52(3):321-30, 1989.

Rauch TM, Welch DI, Gallego L. "Hypothermia Impairs Performance in the Morris Water Maze." *Physiology and Behavior* Aug; 46(2):315-20, 1989.

Rauch TM, Welch DI, Gallego L. "Low Doses of Atropine Sulfate Impair retention of a Well-Learned Spatial Task." *Journal of Neural Transmission, Park Dis Dement Sect.* 1(3):219-28, 1989.

Tharion WJ, Strowman SR, Rauch TM. "Profile and Changes in Moods of Ultramarathoners" *Journal of Sport & Exercise Psychology* June; 10 (2): 229-235, 1988.

Rauch TM, Tharion WJ, Strowman SR, Shukitt BL. "Psychological Factors Associated with Performance in the Ultramarathon." *Journal of Sports Medicine and Physical Fitness* Sep; 28(3):237-46, 1988.

Rauch TM, Gallego E, Welch DI. "Retention of a Spatial Task after Intraperitoneal, Subcutaneous or Intravenous Injections of Equal Doses of Atropine." *Life Sciences* 43(23):1913-20, 1988.

Parker WA, Mayotte RV, Rauch TM. "Recruiting Care Needs in an Incremental Type Dental Care Program." *Military Medicine* Nov;147(11):953-5, 1982.

Rauch TM. "The Perceptions of Army Physicians and Nurses on the Relative Importance of Clinical Pharmacy Services." *Military Medicine* May;147(5):391-5, 1982.

Rauch TM, Hartley BH. "A Survey of Army Hospital Pharmaceutical Services." *Military Medicine* Nov;146(11):792, 1981.

Rauch TM. "Job Satisfaction in the Practice of Clinical Pharmacy." *American Journal of Public Health* May;71(5):527-9, 1981.

Rauch TM. "The Additive Effects of Two Mutant Genes on Otolith Formation in Mice: An Animal Model to Assess Otolith Function." *Journal of Auditory Research* Oct;19(4):259-65, 1979.

TECHNICAL REPORTS

"Cardiovascular Adjustments to Diving in Three Mutant Strains of Otolith Defective Mice." Rauch, Terry M. JUL 1978, Ph.D. Dissertation, University of Cincinnati

"Effect of the Army Oral Health Maintenance Program on the Dental Health Status of Army Personnel." Parker, Warren A., Mayotte, Richard V., Rauch, Terry M. JUN 1979; Report Number: HCSD-79-004-D

"Decentralized Inpatient Pharmacy Service Study: Chief of Pharmacy Survey." Hartley,B.H. and Rauch,T.M., APR 80; Report Number: HCSD-80-001

"A Study to Determine the Optimal Frequency for Conducting Periodic Dental Examinations." Parker, Warren A., Mayotte, Richard V., Rauch, Terry. JUN 1980; Report Number: HCSD-80-003

"A Study to Determine the Optimal Frequency for Conducting Periodic Dental Examinations, Recruit Needs. Part II." Parker, Warren A., Mayotte, Richard V., Rauch, Terry. JUN 1980; Report Number: HCSD-80-004-PT-2

"Nursing Care Hour Standards Study. Part I. Section A. Patient Classification System Model Development." Sherrod, Susie M., Rauch, Terry M., Twist, Patricia A., SEP 1981; Report Number: HCSD-81-009-PT-1-SEC-A.

"Nursing Care Hour Standards Study. Part I. Section B. Patient Classification System Model Development." Sherrod, Susie M., Rauch, Terry M., Twist, Patricia A. SEP 1981; Report Number: HCSD-81-009-PT-1-SEC-B

"Nursing Care Hour Standards Study. Part II thru Part IV." Sherrod, Susie M., Rauch, Terry M., Twist, Patricia A. SEP 1981; Report Number: HCSD-81-009-PT-2-4

"Nursing Care Hour Standards Study. Part V thru Part VIII." Sherrod, Susie M., Rauch, Terry M., Twist, Patricia A. SEP 1981; Report Number: HCSD-81-009-PT-5-8

"Factors Limiting Endurance of Armor, Artillery, and Infantry Units under Simulated NBC Conditions." Munro, Ilse; Rauch, Terry M.; Tharion, William J.; Banderet, Louis E.; Lussier, Adrien R. 13 MAR 86; Report Number: USARIEM-M-18/86

"Factors Influencing the Sustained Performance Capabilities of 155mm Howitzer Sections in Simulated Conventional and Chemical Warfare Environments." Rauch,T. M.; Banderet,L. E.; Tharion,W. J.; Munro,I.; Lussier, A. R. APR 86; Report Number: USARIEM-T-11/86

"Psychological Factors Which Limit the Endurance Capabilities of Armor Crews Operating in a Simulated NBC Environment." Tharion,W. J.; Rauch,T. M.; Munro,I.; Lussier,A. R.; Banderet, L. E. MAY 86; Report Number: USARIEM-T-14/86

"The Effects of Wearing Chemical Protective Clothing on Cognitive Problem Solving." Rauch,T. M.; Witt, Calvin; Banderet, Louis; Tauson, Richard; Golden, Michael. OCT 86; Report Number: USARIEM-T18/86

"Psychological Factors Associated with Performance in the Ultramarathon." Rauch,T. M. ;Tharion,W. J. ;Strowman,S. R. ;Shukitt,B. L. 30 DEC 86; Report Number (DTIC) ADA177564.

"Psychological Effects of Sustained Operations in a Simulated NBC (Nuclear, Biological or Chemical) Environment on M1 Tank Crews." Munro, Ilse; Rauch, Terry M.; Banderet, L. E.; Lussier, A. R.; Tharion, William J. 03 JUL 87; Report Number: USARIEM-T-26-87

"The Effects of Wearing the Chemical Protective Mask and Gloves on Cognitive Problem Solving."
Rauch, Terry M.; Tharion, William J. MAY 87; Report Number: USARIEM-T-20-87

"Effects of Different Resistance Exercise Protocols on Mood States." Tharion, William J.; Rauch, Terry M.; Harman, Everett D.; Kraemer, William J. 29 APR 88; Report Number: USARIEM-T-88.

"Atropine Sulfate Impairs Performance on an Overtrained Spatial Task in a Dose-Dependent Fashion."
Rauch, T. M.; Welch, D. I.; Gallego, L. 07 OCT 88; Report Number: (DTIC) ADA201061.

"Hyperthermia Impairs Retention of an Overtrained Spatial Task in the Morris Water Maze." Rauch, T. M.; Welch, D. I.; Gallego, L. 04 NOV 88; Report Number: USARIEM-M13-89.

"Altitude Symptomatology and Mood States during a Climb to 3630 M." Hale, Barbara S.; Rauch, Terry M.; Foutch, Richard. APR 89; Report Number: USARIEM-M41-89.

"Psychological Attributes, Coping Strategies and Other Factors Associated with Ultramarathon Performance." Tharion, W. J.; Terry, A. L.; McMenemy, D. J.; Rauch, T. M.; Shukitt, B. L. JAN 89; Report Number: USARIEM-T-8-89.

"Fluid Loss and Body Rehydration Effects on Marksmanship Performance." Tharion, William J.; Szlyk, Patricia C.; Rauch, Terry M. JUN 89; Report Number: USARIEM-M57-89.

"Reliability of Brainstem Auditory Evoked Potentials (BAEP) Using the Nicolet Pathfinder II."
McMenemy, Donna J.; Tharion, William J.; Rauch, Terry M. JUN 89; Report Number: USARIEM-T21-89.

"The Decline of the U.S. Defense Industrial and Technology Base: The Impact on National Security."
Rauch, Terry M. AUG 89, National Defense University, Report Number: (DTIC) ADA215129.

"Pre-Treatment with Tyrosine Reverses Hypothermia Induced Behavioral Depression." Rauch, T. M.; Lieberman, Harris R. SEP 89, Report Number (DTIC) ADA215211

"Reliability of Pattern Reversal Evoked Potentials (PREP) Using the NICOLET Pathfinder II." Tharion, W. J.; McMenemy, D. J.; Rauch, T. M. 21 FEB 90; Report Number: USARIEM-T4-90