
BIBLIOGRAPHY

- Abend Y, Goland S, Evron E, Sthoeger ZM, and Geltner D, "Acute Renal Failure Complicating Organophosphate Intoxication," *Ren Fail*, 16, 1994, pp. 415–417.
- Abou-Donia MB, "Organophosphorus Ester-Induced Delayed Neurotoxicity," *Ann Rev Pharmacol Toxicol*, 1981, pp. 511–548.
- Abou-Donia MB, Wilmarth KR, Jensen KF, Oehme FW, and Kurt TL, "Neurotoxicity Resulting from Coexposure to PB, Deet, and Permethrin Implications of Gulf War Chemical Exposures," *J Toxicol Environ Health*, 48, 1996, pp. 35–56.
- American Thoracic Society, "Guidelines as to What Constitutes an Adverse Respiratory Health Effect, with Special Reference to Epidemiologic Studies of Air Pollution," *Am Rev Respir Dis*, 131, 1985, pp. 666–668.
- Aponte JA et al., *Dimencopal Ophthalmic Content Testing*, ADB0136251, 1975.
- Arthur D Little, Inc., Phosgene Oxime, personal communication from Richard Taylor, 1983.
- _____, *Chemical Casualty Treatment Protocol Development, Phase I: Treatment Approaches*, Brooks Air Force Base, Texas: Aerospace Medical Division, Air Force Systems Command, September 1986. (NOTE: Each of the seven chapters of this report was published as a separate volume.)
- Adams DJ, "Biological Substances as Possible Percutaneous Hazards," *Agents of Biological Origin Symposium*, 1989.
- Adams, JR, "Russia's Toxic Threat," *The Wall Street Journal*, April 30, 1996, p. A18.
- Albuquerque EX, Boyne AF, Brookes N, Burt DR, and Deshpande SS, *Molecular and Behavioral Studies of Anticholinesterase Agents on Various Receptor Targets in the Peripheral and Central Nervous System: Acute and Chronic Studies Using Biophysical, Biochemical, Histological, and Therapeutics Approaches*, Baltimore, Md.: Maryland University, Baltimore School of Medicine, 1983.

- Albuquerque EX, Deshpande SS, Kawabuchi M, Aracava Y, Idriss M, Rickett DL, and Boyne AF, "Multiple Actions of Anticholinesterase Agents on Chemosensitive Synapses: Molecular Basis for Prophylaxis and Treatment of Organophosphate Poisoning," *Fund Appl Toxicol*, 5, 1985, pp. S182–S203.
- Aleksandrov VN, *Toxic Agents*, Joint Publications Research Service, 48748, 1969.
- Allen SJ, Wild CP, Wheeler JG, et al., "Aflatoxin Exposure, Malaria and Hepatitis B Infection in Rural Gambian Children," *Trans R Soc Trop Med Hyg*, 86, 1992, pp. 426–430.
- Anderson DR, Harris LW, Woodard CL, and Lennox WJ, "The Effect of PB Pre-treatment on Oxime Efficacy Against Intoxication by Soman or VX in Rats," *Drug Chem Toxicol*, 15, 1992, pp. 285–294.
- Anderson RJ, and Chamberlain WL, "Changes in Nerve Membrane Polarization Following Repeated Exposure to Soman," *J Toxicol Environ Health*, 24, 1988, pp. 121–128.
- Ankrah NA, Addo PG, Abrahams CA, Ekuban FA, and Addae MM, "Comparative Effects of Aflatoxins G1 and B1 at Levels Within Human Exposure Limits on Mouse Liver and Kidney," *West Afr J Med*, 12, 1993, pp. 105–109.
- Anzueto A, deLemos RA, Seidenfeld J, et al., "Acute Inhalation Toxicity of Soman and Sarin in Baboons," *Fund Appl Toxicol*, 14, 1990, pp. 676–687.
- Ariens A, Meeter E, Wolthuis OL, and Van Benthem RMJ, "Reversible Necrosis at the End-Plate Region in Striated Muscles of the Rat Poisoned with Cholinesterase Inhibitors," *Experimentia*, 25, 1969, pp. 57–59.
- Assad A, Wilhelmsen C, Kokes J, Bavari S, Pitt L, and Wade J, Effect of Neutrophil Depletion on the Pathogenesis of Ricin-Induced Acute Pulmonary Toxicity in Rats, abstract, Ft. Detrick, Md.: U.S. Army Medical Research Institute of Infectious Diseases, 1996.
- Asset G, and Finklestein D, "Informal Note No. 14 on Some Aspects of the Chemical Corps Work on Aerosols," Army Chemical Center, Md.: Research and Engineering Division, Field Office, Chief Chemical Officer, DTIC AD310–461, 1951.
- Aulerich RJ, Bursian SJ, and Watson GL, "Effects of Sublethal Concentrations of Aflatoxins on the Reproductive Performance of Mink," *Bull Environ Contam Toxicol*, 50, 1993, pp. 750–756.
- Autrup H, and Seremet T, "Evidence of Human Antibodies That Recognize Aflatoxin Epitope in Groups with High and Low Exposure to Aflatoxins," *Archives of Environmental Health*, 45, 1990, pp. 31–36.
- Autrup JL, Schmidt J, and Autrup H, "Exposure to Aflatoxin B1 in Animal-Feed Production Plant Workers," *Environ Health Perspect*, 99, 1993, pp. 195–197.

- Azizi F, Amini M, and Arbab P, "Time Course of Changes in Free Thyroid Indices, rT3, TSH, Cortisol and ACTH Following Exposure to Sulfur Mustard," *Exp Clin Endocrinol*, 101, 1993, pp. 303–306.
- Baille V, Lallement G, Carpentier P, Foquin A, Pernot-Marino I, and Rondouin G, "C-fos Antisense Oligonucleotide Prevents Delayed Induction of hsp70 mRNA After Soman-Induced Seizures," *NeuroReport*, 8, 1997, pp. 1819–1822.
- Baladi M, "Clinical and Laboratory Findings in Iranian Fighters with Chemical Gas Poisoning," in Heyndrickx (1984), pp. 254–259.
- Balint GA, "Further Analysis of Ricin's Pyrogenic Effect," *Exp Toxicol Pathol*, 45 (5–6), 1993, pp. 303–304.
- Babarsky R, "Khamisiyah Plume Analysis," *Conference Proceedings*, Conference on Federally Sponsored Gulf War Veterans' Illnesses Research, June 17–19, 1998, 1998, p. 81.
- Bartholomew PM, Gainutsos G, Cohen SD, "Differential Cholinesterase Inhibition and Muscarinic Receptor Changes in Cd-1 Mice Made Tolerant to Malathion," *Toxicol Appl Pharmacol*, 81, 1985, pp. 147–55.
- Baxter CS, Wey HE, and Burg WR, "A Prospective Analysis of the Potential Risk Associated with Inhalation of Aflatoxin-Contaminated Grain Dusts," *Food Genetic Toxicol*, 19, 1981, pp. 765–769.
- Baze WB, "Soman-Induced Morphological Changes: An Overview in the Non-Human Primate," *J Appl Toxicol*, 13, 1993, pp. 173–177.
- Bell IR, Miller CS, and Schwartz GE, "An Olfactory-Limbic Model of Multiple Chemical Sensitivity Syndrome: Possible Relationships to Kindling and Affective Spectrum Disorders," *Biol Psychiatry*, 32, 1992, pp. 218–42.
- Bell, IR, Warg-Damiani L, Baldwin CM, Walsh ME, and Schwartz GER, "Self-Reported Chemical Sensitivity and Wartime Chemical Exposures in Gulf War Veterans With and Without Decreased Global Health Ratings," *Military Medicine*, 163 (11), 1998, p. 725.
- Belt RJ, Haas CD, Joseph U, Goodwin W, Moore D, and Hoogstraten B, "Phase I Study of Anguidine Administered Weekly," *Cancer Treat Rep*, 63, 1979, pp. 1993–1995.
- Benschop HP, Berends F, and de Jong LPA, "GLC-Analysis and Pharmacokinetics of the Four Stereoisomers of Soman," *Fund Appl Toxicol*, 1, 1981, pp. 177–182.
- Benschop HP, Konings CAG, Genderen JV, and de Jong LPA, "Isolation, In Vitro Activity, and Acute Toxicity in Mice of the Four Stereoisomers of Soman," *Fund Appl Toxicol*, 4, 1984, pp. S84–S95.

- Bernard V, Dumartin B, Lamy E, and Bloch B, "Fos Immunoreactivity After Stimulation or Inhibition of Muscarinic Receptors Indicates Anatomical Specificity for Cholinergic Control of Striatal Efferent Neurons and Cortical Neurons in the Rat," *Eur J Neurosci*, 5 (9), September 1, 1993, pp. 1218–1225.
- Bertoncin D, Russolo A, Caroldi S, and Lotti M, "Neuropathy Target Esterase in Human Lymphocytes," *Arch Env Health*, 40, 1985, pp. 139–144.
- Binenfeld Z, *New Military Neurotoxins—Yugoslavia*, JPRS 43014, Washington, D.C.: U.S. Department of Commerce, 1967.
- Blank IH, Griesemer RD, and Gould E, "The Penetration of an Anticholinesterase Agent (Sarin) into Skin," *J Invest Dermatol*, 29, 1957, pp. 299–309.
- Blick DW, Miller SA, Brown GC, and Murphy MR, "Behavioral Toxicity of Anticholinesterases in Primates: Chronic Physostigmine and Soman Interactions," *Pharmacol Biochem Behav*, 45, 1993, pp. 677–683.
- Bonomi A, Quarantelli A, Zambin EM, et al., "Effects of Aflatoxin B1 Contaminated Rations on Productive and Reproductive Efficiency in Swine (Experimental Contribution)," *Rivista Di Scienza Dell'Alimentazione*, 24, 1995, pp. 361–384.
- Boskovic B, and Kusic R, "Long-Term Effects of Acute Exposure to Nerve Gases upon Human Health," in *Chemical Weapons: Destruction and Conversion*, New York: Crane Russak Co. (dist.), 1980, pp. 113–115.
- Boter HL, Dijk C van, "Stereospecificity of Hydrolytic Enzymes in Reaction with a Symmetric Organophosphorus Compound: The Inhibition of Acetylcholinesterase and Butyrylcholinesterase by Enantiomeric Forms of Sarin," *Biochem Pharmacol*, 18, 1969, p. 2,403-2,407.
- Bouldin TW, Earnhardt TS, and Goines ND, "Sequential Changes in the Permeability of the Blood-Nerve Barrier over the Course of Ricin Neuronopathy in the Rat," *Neurotoxicol*, 11, 1990, pp. 23–34.
- Bourgeois C, Olson L, Comer D, Evans H, et al., "Encephalopathy and Fatty Degeneration of the Viscera: A Clinicopathologic Analysis of 40 Cases," *Am J Clin Pathol*, 56, 1971, pp. 558–571.
- Bourgeois C, Shank RC, Grossman RA, Johnsen DO, and Wooding WL, Chandavimol P, "Acute Aflatoxin B1 Toxicity in the Macaque and Its Similarities to Reye's Syndrome," *Lab Invest*, 24, 1971, pp. 206–16.
- Bowers M, Goodman E, and Sim VM, "Some Behavioral Changes in Men Following Anticholinesterase Administration," *J Nerv Ment Dis*, 138, 1964, pp. 383–389.

- Bozas E, Tritos N, Phillipidis H, and Stylianopoulou F, "At Least Three Neurotransmitter Systems Mediate a Stress-Induced Increase in c-fos mRNA in Different Rat Brain Areas," *Cellular and Molecular Neurobiology*, 17 (2), 1997.
- Bramwell, et al., "Human Exposure to VS," Porton Down, Wiltshire, UK., Porton Technical Paper 830, 1963.
- Brody EG, and Gammill JF, *Seventy-Five Cases of Accidental Nerve Agent Poisoning at Dugway Proving Ground*, Salt Lake City: Dugway Proving Ground, DTIC AD48826, 1954.
- Brookes P, "The Early History of the Biological Alkylating Agents 1918–1990," *Mutat Res*, 233, 1990, pp. 3–14.
- Brooks F, Xenakis S, Ebner D, and Balson P, "Psychological Reactions During Chemical Warfare Training," *Military Medicine*, 148, 1983, pp. 232–235.
- Broomfield CA, "A Purified Recombinant Organophosphorus Acid Anhydrase Protects Mice Against Soman," *Pharmacol Toxicol*, 70, 1992, pp. 65–6.
- Buccafusco JJ, Prendergast MA, Pauly JR, Terry AV, Goldstein BD, and Shuster LC, "A Rat Model for Gulf War Illness-Related Selective Memory Impairment and the Loss of Hippocampal Nicotinic Receptors," abstract, *Soc Neurosci Abstr*, 23, 1997, pp. 316.
- Bucci DJ, Rosen DL, and Gallagher M, "Effects of Age on Pilocarpine-Induced c-fos Expression in Rat Hippocampus and Cortex," *Neurobiol Aging*, 19 (3), May–June 1998, pp. 227–32.
- Bucci TJ, Parker RM, and Gosnell PA, "Toxicity Studies on Agents GB and GD (Phase 2): 90-Day Subchronic Study of GD (Soman) in CD-Rats," Jefferson, Ark.: National Center for Toxicological Research, DTIC ADA258180, March 1992a.
- _____, "Toxicity Studies on Agents GB and GD (Phase 2): Delayed Neuropathy Study of Sarin, Type I, in SPF White Leghorn Chickens," Jefferson, Ark.: National Center for Toxicological Research, DTIC ADA258664, April 1992b.
- _____, "Toxicity Studies on Agents GB and GD (Phase 2): Delayed Neuropathy Study of Sarin, Type II, in SPF White Leghorn Chickens," Jefferson, Ark.: National Center for Toxicological Research, DTIC ADA257357, April 1992c.
- _____, "Toxicity Studies on Agents GB and GD (Phase 2): Delayed Neuropathy Study of Soman in SPF White Leghorn Chickens," Jefferson, Ark.: National Center for Toxicological Research, DTIC ADA258643, May 1992d.
- Buck WB, Beasley VR, and Swanson SP, *Toxicologic and Analytical Studies with T-2 and Related Trichothecene Mycotoxins*, Ft. Detrick, Md.: U.S. Army Medical Research and Development Command, DTIC ADA172207, 1983.

- Bukowski R, Vaughn C, Bottomley R, and Chen T, "Phase II Study of Anguidine in Gastrointestinal Malignancies: A Southwest Oncology Group Study," *Cancer Treat Rep*, 66, 1982, pp. 381–383.
- Bullman TA, and Kang HK, "The Effects of Mustard Gas, Ionizing Radiation, Herbicides, Trauma, and Oil Smoke on U.S. Military Personnel: The Results of Veteran Studies," *Annu Rev Public Health*, 15, 1994, pp. 69–90.
- Bunner D, *Trichothecene Mycotoxins Intoxications: Signs, Symptoms, Pathophysiology, and Management (Based On Initial Laboratory Animal Studies and Review of Phase I Trails as Anticancer Agents in Man)*, Ft. Detrick, Md.: U.S. Army Medical Research Institute of Infectious Diseases, 1983.
- Bunner D, Wannemacher R, Neufeld H, Hessler C, Parker G, Cosgriff T, and Dinterman R, "Pathophysiology of Acute T-2 Intoxication in the Cynomolgus Monkey and Comparison to the Rat as Model," Ft. Detrick, Md.: U.S. Army Medical Research Institute of Infectious Diseases, DTIC ADA135983, 1983.
- Bunner DL, Neufeld HA, Brennecke LH, Campbell YG, Dinterman RE, and Pelosi JG, *Clinical and Hematologic Effects of T-2 Toxin in Rats*, Ft. Detrick, Md.: U.S. Army Medical Research Institute of Infectious Diseases, DTIC ADA158874, 1985.
- Burchfiel JL, "Persistent Effect of Sarin and Dieldrin on the Electroencephalogram of Monkey and Man," *Toxicol Appl Pharmacol*, 35, 1976, pp. 365–379.
- Burchfiel JL, and Duffy FH, "Organophosphate Neurotoxicity: Chronic Effects of Sarin on the Electroencephalogram of Monkey and Man," *Neurobehav Toxicol Teratol*, 4, 1982, pp. 767–778.
- Busby WF, and Wogan GN, "Food Borne Mycotoxins and Alimentary Mycotoxicosis," in Rieman H and Bryan FL, eds., *Food Borne Infections and Intoxications*, 2nd ed., New York: Academic Press, 1979, pp. 515–599.
- Cadigan FC, and Chipman M, "The Effects of Acute and Chronic Low-Dose Exposure to Anticholinesterase," in Ernsting J, ed., *Maintenance of Air Operations While Under Attack with Chemical Weapons*, Aerospace Medical Panel's Specialists' Meeting, Brussels, Belgium, 1979.
- Callaway E, "An Accident Involving Exposure to a Nerve Gas," DTIC Quarterly Report No. 2, DTIC AD144023, 1950.
- Callaway S, and Blackburn JW, *A Comparative Assessment of the Vapour Toxicities of GB, GD, GF, T2132, T2137 and T2146 to Male and Female Rats*, Arlington, Va.: Armed Services Technical Information Agency, Porton Technical Paper 404, DTIC AD31119, 1954.
- Calvet JH, Jarreau PH, Levame M, D'ortho, MP, Lorino H, Harf A, and Macquin-Mavier I, "Acute and Chronic Respiratory Effects of Sulfur Mustard Intoxication in Guinea Pig," *J Appl Physiol*, 76, 1994, pp. 681–688.

- Cappa M, Grossi A, Benedetti S, Drago F, Loche S, and Ghigo E, "Effect of the Enhancement of the Cholinergic Tone by PB on the Exercise-Induced Growth Hormone Release in Man," *J Endocrin Invest*, 16, 1993, pp. 421-424.
- Carter B, and Cammermeyer M, "Biopsychological Responses of Medical Unit Personnel Wearing Chemical Defense Ensemble in a Simulated Chemical Warfare Environment," *Military Medicine*, 150, 1985, pp. 239-249.
- _____, "Human Responses to Simulated Chemical Warfare Training in U.S. Army Reserve Personnel," *Mil Med*, 154, 1989, pp. 281-288.
- Cecchine G, Golomb BA, Hilborne L Spector D, and Anthony CR, *A Review of the Scientific Literature as It Pertains to Gulf War Illnesses*, Vol. 8: *Pesticides*, Santa Monica, Calif.: RAND, MR-1018/8-OSD, 2000.
- Central Intelligence Agency, *Modeling the Chemical Agent Release at the Khamisiyah Pit*, Washington DC, 1997.
- _____, Briefing to the Presidential Advisory Committee, July 9, 1996.
- Chan PKC, and Gentry PA, "LD50 Values and Serum Biochemical Changes induced by T-2 Toxin Rats and Rabbits," *Toxicol Appl Pharmacol*, 73, 1984, pp. 402-410.
- Chao TC, "Perak, Malaysia, Mass Poisoning: Tale of the Nine Emperor Gods and Rat Tail Noodles," *Am J Forensic Med Pathol*, 13, 1992, pp. 261-263.
- Chao TC, Maxwell SM, Lyen K, Wang D, and Chia HK, "Mass Poisoning in Perak, Malaysia or the Tale of the Nine Emperor Gods and Rat Tail Noodles," *J Forensic Sci Soc*, 31, 1991, pp. 283-288.
- Chemical Research, Development & Engineering Center, *Proceedings for the Symposium on Agents of Biological Origin*, Laurel, Md.: Kossiakoff Center Applied Physics Laboratory, Johns Hopkins University, March 21-23, 1989.
- Cherkes AI, ed., *Handbook of Toxicology of Toxic Agents*, Washington, D.C.: U.S. Department of Commerce, Clearinghouse for Federal Scientific and Technical Information, 1965.
- Cherniack MG, "Organophosphorus Esters and Polyneuropathy," *Ann Intern Med*, 104, 1986, pp. 264-266.
- Chiasson BJ, Hong MG, and Robertson HA, "Putative Roles for the Inducible Transcription Factor c-fos in the Central Nervous System: Studies with Antisense Oligonucleotides," *Neurochem Int*, 31 (3), September 1997, pp. 459-475.
- Chippendale TJ, Zawolkow GA, Russell RW, and Overstreet DH, "Tolerance to Low Acetylcholinesterase Levels: Modification of Behavior Without Acute Behavioral Change," *Psychopharmacologia*, 26, 1972, pp. 127-139.

- Christiansen VJ, Hsu CH, and Robinson CP, "The Effects of Ricin on the Sympathetic Vascular Neuroeffector System of the Rabbit," *J Biochem Toxicol*, 9, 1994, pp. 219–223.
- Churchill L, Pazdernik TL, Jackson JL, Nelson SR, Samson FE, and McDonough JHJ, "Topographical Distribution of Decrements and Recovery in Muscarinic Receptors from Rat Brains Repeatedly Exposed to Sublethal Doses of Soman," *J Neurosci*, 4, 1984, pp. 2069–2079.
- CIA—see Central Intelligence Agency.
- Clancy T, and Franks F, Jr., *Into the Storm: A Study in Command*, New York: G.P. Putnam's Sons, 1997.
- Clark G, "Organophosphate Insecticides and Behavior: A Review," *Aerosp Med*, 42, 1971, pp. 735–740.
- Clement JG, "Hormonal Consequences of Organophosphate Poisoning," *Fund Appl Toxicol*, 5, 1985, pp. S61–S77.
- Clement JG, "Efficacy of Various Oximes Against GF (cyclohexylmethyl-phosphonofluoridate) Poisoning in Mice," *Arch Toxicology*, 66, 1992, pp. 143–144.
- Clement JG, "Toxicity of the Combined Nerve Agents GB/GF in Mice: Efficacy of Atropine and Various Oximes as Antidotes," *Arch Toxicol*, 68, 1994, pp. 64–66.
- Clement JG, and Copeman HT, "Soman and Sarin Induce a Long-Lasting Naloxone-Reversible Analgesia in Mice," *Life Sci*, 34, 1984, pp. 1415–1422.
- Cogan DG, "Lewisite Burns of the Eye," *JAMA*, 122, 1943, pp. 435–436.
- Colardyn F, and De Bersaques J, "Clinical Observations and Therapy of Injuries and Vesicants," in Heyndrickx (1984), pp. 298–301.
- Coleman JL, Little PE, Putton GE, Bannara KA, "Cholinolytics in the Treatment of Anticholinesterase Poisoning, IV: The Effects of Binary Combinations with Oxime Therapy," *Canadian Journal of Physiology and Pharmacology*, 44, 1966, pp. 745–764.
- Conference on Federally Sponsored Gulf War Veterans' Illnesses Research, *Program and Abstract Book*, June 17–19, 1998.
- Cook AA, "Illness and Injury Among U.S. Prisoners of War from Operation Desert Storm," *Mil Med*, 159, 1994, pp. 437–53.
- Cook DF, Wirtshafter D, "Quinpirole Attenuates Striatal c-fos Induction by 5-HT, Opioid and Muscarinic Receptor Agonists," *European Journal of Pharmacology*, 349, 1998, pp. 41–47.

- Coombs AY, Freeman G, *Observations of the Effects of GB on Intellectual Function in Man*, Army Chemical Center, Md.: Chemical Corps, Medical Laboratories, DTIC AD43035, 1954.
- Coppock RW, Gelberg HB, Hoffmann I, and Buck WB, "The Acute Toxicopathy of Intravenous Diacetoxyscirpenol (Anguidine) Administration in Swine," *Fund Appl Toxicol*, 5, 1985, pp. 1034–1049.
- Cordesman AH, and Wagner AR, *The Lessons of Modern War*, Vol. II: *The Iran-Iraq War*, Boulder, CO: Westview Press, 1990.
- _____, *The Lessons of Modern War*, Vol. III: *The Afghan and Falklands Conflicts*, Boulder, CO: Westview Press, 1991.
- Cosgriff TM, Bunner DL, Wannemacher RW, Jr., Hodgson LA, and Dinterman RE, "The Hemostatic Derangement Produced by T-2 Toxin in Cynomolgus Monkeys," *Toxicol Appl Pharmacol*, 82, 1986, pp. 532–539.
- Costa LG, Schwab BW, and Murphy SD, "Tolerance to Anticholinesterase Compounds in Mammals," *Toxicology*, 25, 1982, pp. 79–97.
- Coulombe RA, Jr., "Symposium: Biological Action of Mycotoxins," *J Dairy Sci*, 76, 1993, pp. 880–891.
- Coulombe RAJ, Huie JM, Ball RW, Sharma RP, and Wilson DW, "Pharmacokinetics of Intratracheally Administered Aflatoxin B1," *Toxicol Appl Pharmacol*, 109, 1991, pp. 196–206.
- Cowan DN, Gray GC, DeFraités RF, "Counterpoint: Responding to Inadequate Critique of Birth Defects Paper," *Am J Epidem*, 146, 1998, pp. 326–327.
- Cowan FM, Broomfield CA, and Smith WJ, "Sulfur Mustard Exposure Enhances Fc Receptor Expression on Human Epidermal Keratinocytes in Cell Culture: Implications for Toxicity and Medical Countermeasures," *Cell Biol Toxicol*, 14 (4), August 1998, pp. 261–266.
- Craig AB, and Freeman G, "Clinical Observations on Workers Accidentally Exposed to G Agents," Army Chemical Center, Md.: Department of Defense, DTIC AD3398, 1953.
- Craig AB, Woodson GS, and Fales JT, "Observations on the Effects of Exposure to Nerve Gas, I. Clinical Observations and Cholinesterase Depression," *Am J Med Sci*, 238, 1959, pp. 13–17.
- Creasia DA, Thurman JD, Jones LJI, et al., "Acute Inhalation Toxicity of T-2 Mycotoxin in Mice," *Fund Appl Toxicol*, 8, 1987, pp. 230–235.
- Cresthull P, Koon WS, McGrath FP, and Oberst F, "Inhalation Effects (Incapacitation and Mortality) for Monkey Exposed to GA, GB and GF

- Vapors," Army Chemical Center, Md.: Chemical Warfare Laboratory, Report 2179, DTIC AD145581, 1957.
- Cresthull P, Koon WS, Musselman NP, Bowers M, and Oberst FW, *Percutaneous Exposure of the Arm or the Forearm of Man to VX Vapor*, Army Chemical Center, Md.: Chemical Warfare Laboratory, DTIC AD145587, 1963.
- Cresthull P, Williams L, Crook JW, Graf CH, Christensen MK, and Oberst FW, *Cumulative Toxic Effects of Repeated Doses of Inhaled GB Vapor in Dogs*, Edgewood Arsenal, Md.: Chemical Corps Laboratory, DTIC AD236945, 1960.
- Crocker GB, "The Evidence of Chemical and Toxin Weapon Use in Southeast Asia and Afghanistan," in *First World Congress: New Compounds in Biological Warfare: Toxicological Evaluation, Proceedings*, Ghent, Belgium: State University of Ghent and National Science Foundation, 1984.
- Croft WA, Jarvis BB, and Yatawara CS, "Airborne Outbreak of Trichothecene Toxicosis," *Atmos Environ*, 20, 1986, pp. 549–552.
- Crossland A, and Townsend A, "Observations, Impressions, Pitfalls and Recommendations from Field CBW Research Among Refugees in Southeast Asia," in *First World Congress: New Compounds in Biological Warfare: Toxicological Evaluation, Proceedings*, Ghent, Belgium: State University of Ghent and National Science Foundation, 1984.
- Crowell J, Parker R, Bucci T, and Dacre J, "Neuropathy Target Esterase in Hens after Sarin and Soman," *Journal of Biochemical Toxicology*, 4, 1989, pp. 15–20.
- Cukrova V, Langrova E, and Akao M, "Effects of Aflatoxin B1 on Myelopoiesis in Vitro," *Toxicology*, 70, 1991, pp. 203–212.
- Cullen MR, "The Worker with Multiple Chemical Sensitivities: An Overview," *Occup Med*, 2, 1987, pp. 655–661.
- Cysewski SJ, Wood RL, Pier AC, and Baetz AL, "Effects of Aflatoxin on the Development of Acquired Immunity to Swine Erysipelas," *Am J Vet Res*, 39, 1978, pp. 445–8.
- Dacre JC, "Toxicology of Some Anticholinesterases Used in Chemical Warfare Agents: A Review," in *Cholinesterases, Fundamental and Applied Aspects*, New York: Walter De Gruyter & Co., 1984, pp. 415–426.
- _____, "Toxicological Studies on Chemical Agents GA, GB, GD, VX, HD, and L," in *Proceedings of Third International Symposium on Protection Against Chemical Warfare Agents*, abstract, 1989, p. 179.
- Dacre JC, and Goldman M, "Toxicology and Pharmacology of the Chemical Warfare Agent Sulfur Mustard," *Pharmacol Rev*, 48, 1996, pp. 289–326.

- Daniels JM, Liu L, Stewart RK, and Massey TE, "Biotransformation of Aflatoxin B1 in Rabbit Lung and Liver Microsomes," *Carcinogenesis*, 11, 1990, pp. 823–827.
- Dannenbergh AM, Jr., Pula PJ, Liu LH, et al., "Inflammatory Mediators and Modulators Released in Organ Culture from Rabbit Skin Lesions Produced In Vivo by Sulfur Mustard," *Am J Pathol*, 121, 1985, pp. 15–27.
- Daughters D, Zackheim SH, and Maibach H, "Urticaria and Anaphylactoid Reactions After Topical Applications of Mechlorethamine," *Arch Dermatol*, 107, 1973, pp. 429–430.
- Davies DR and Holland P, "Effect of Oximes and Atropine Upon the Development of Delayed Neuropathy in Chickens Following Poisoning by DFP and Sarin," *Biochemical Pharmacology*, 21, 1972, pp. 3,145–3,151.
- Davies H, Richter R, Keifer M, Broomfield C, Stowalla J, and Furlong C, "The Effect of Human Serum Paraoxonase Polymorphism Is Reversed with Diazoxon, Soman and Sarin," *Nature Genetics*, 14, 1996, pp. 334–336.
- De Bisschop HC, Mainil JG, and Willems JL, "In Vitro Degradation of the Four Isomers of Soman in Human Serum," *Biochem Pharmacol*, 34, 1985, pp. 1895–1900.
- De Jong LPA, *Aging and Stereospecific Reactivation of Soman-Inhibited Acetylcholinesterases from Various Species*, Rijswijk, Netherlands: Prins Maurits Lab, DMC 1987–28, 1987.
- De la Cruz RR, Pastor AM, and Delgado-Garcia JM, "The Neurotoxic Effects of Ricinus Communis Agglutinin-II," *J Toxicol—Toxin Revs*, 14, 1995, pp. 1–46.
- De Bruyn EJ, Corbett GK, and Bonds AB, "Depression of the Cat Cortical Visual Evoked Potential by Soman," *Life Sciences*, 48, pp. 1269–1276, January 1991.
- Defense Intelligence Agency, Iraqi Chemical Warfare Data, declassified document file 970613-092596, 1997.
- Defense Science Board, *Report of the Defense Science Board Task Force on Persian Gulf War Health Effects*, Washington, D.C.: Office of the Undersecretary of Defense for Acquisition and Technology, 1994.
- Deneauve-Lockhart C, Sauvaget P, Touron C, and Chariot P, "Acute Occupational Exposure to Mustard Gas," abstract, *Arch Mal Prof Med Trav Secur Soc*, 53, 1992, pp. 121–124.
- Denning DW, Quiapo SC, Altman DG, et al., "Aflatoxin and Outcome from Acute Lower Respiratory Infection in Children in the Philippines," *Ann Trop Paediat*, 15, 1995, pp. 209–216.

Department of the Army, "Assay Techniques for Detection of Exposure to Sulfur Mustard, Cholinesterase Inhibitors, Sarin, Soman, GF, and Cyanide," Washington, D.C., Technical Bulletin MED 296, May 1996.

DeRobertis E, "Molecular Biology of Synaptic Receptors," *Science*, 171, 1971, pp. 963–971.

DeRoeth A Jr., Dettbarn WD, Rosenberg P, Wilensky JG, and Wong A, "Effect of Phospholine Iodide on Blood Cholinesterase Levels of Normal and Glaucoma Subjects," *Am J Ophthalmol*, 1965, pp. 586–92.

Dettbarn WD, "Nerve Agent Toxicity and its Prevention at the Neuromuscular Junction: An Analysis of Acute and Delayed Toxic Effects in Extraocular and Skeletal Muscle," Nashville, Tenn.: Vanderbilt University, Department of Pharmacology, DTIC ADA144972, 1984.

DHHS—see U.S. Department of Health and Human Services.

Di Paolo N, Guarnieri A, Gariso G, Sacchi G, Mangiarotti AM, and Di Paolo M, "Inhaled Mycotoxins Lead to Acute Renal Failure," *Nephrol Dial Transplan*, 9, 1994, pp. 116–120.

Diggs CH, Scoltock MJ, and Wiernik PH, "Phase II Evaluation of Anguidine (NSC-141537) for Adenocarcinoma of the Colon or Rectum," *Cancer Clin Trials*, Winter 1978, pp. 297–299.

Dille S, and Smith PW, "Central Nervous System Effects of Chronic Organophosphate Insecticides," *Aerosp Med*, 35, 1964, pp. 475–478.

Dimitri RA, and Gabal MA, "Immunosuppressant Activity of Aflatoxin Ingestion in Rabbits Measured by Response to Mycobacterium Bovis Antigen, I. Cell Mediated Immune Response Measured by Skin Test Reaction," *Vet Hum Toxicol*, 38, 1996, pp. 333–6.

Dirnhuber P, French MC, Green DM, Leadbeater L, and Stratton JA, "The Protection of Primates Against Soman Poisoning by Pretreatment with PB," *J Pharmacol*, 31, 1979, pp. 295–299.

Doebler JA, Wiltshire ND, Mayer TW, et al., "The Distribution of [125I]ricin in Mice Following Aerosol Inhalation Exposure," *Toxicology*, 98, 1995, pp. 137–149.

Drewes LR, "Electroencephalographic Studies of Soman's Action in the Cat," *Fifth Annual Chemical Defense Bioscience Review*, Columbia, Md.: Johns Hopkins University Applied Physics Laboratory, 1985.

Drody BB, and Gammill JF, *Seventy-Five Cases of Accidental Nerve Gas Poisoning at Dugway Proving Ground*, Dugway Proving Ground, Md.: Medical Investigation Branch, December 10, 1954.

DSB—*see* Defense Science Board.

Duffy FH, and Burchfiel JL, “Long-Term Effects of the Organophosphate Sarin on EEGs in Monkeys and Humans,” *Neurotox*, 1, 1980, pp. 667–689.

Dugyala RR, Kim YW, et al., “Effects of Aflatoxin B1 and T-2 Toxin on the Granulocyte-Macrophage Progenitor Cells in Mouse Bone Marrow Cultures,” *Immunopharmacol*, 27, 1994, pp. 57–65.

Dulaney MD, Jr., Hoskins B, and Ho IK, “Studies on Low Sub-Acute Administration of Soman, Sarin and Tabun in the Rat,” *Acta Pharmacol Toxicol*, 57, 1985, pp. 234–241.

Dunn MA, Hackley BE, Jr., and Sidell FR, “Pretreatment for Nerve Agent Exposure,” in Sidell FR, Takafuji ET, Franz DR, eds., *Textbook of Military Medicine: Medical Aspects of Chemical and Biological Warfare*, Washington, D.C.: Borden Institute, Walter Reed Medical Center, 1997, pp. 181–196.

Dunn P, “The Chemical War: Journey to Iran,” *NBC Defense and Technology Int*, 1986, p. 1.

Ehrenberg L, and Osterman-Golkar S, “Alkylation of Macromolecules for Determining Mutagenic Agents,” *Terat Cargino Mut*, 1, 1980, pp. 105–127.

Ehrlich JP, and Burleson GR, “Enhanced and Prolonged Pulmonary Influenza Virus Infection Following Phosgene Inhalation,” *J Toxicol Environ Health*, 34, 1991, pp. 259–273.

Eldefrawi M, Valdes JJ, and Schweizer G, “Interactions of Organophosphate Nerve Agents with the Nicotinic Acetylcholine Receptor,” abstract, *Proceedings of the Fifth Annual Chemical Defense Bioscience Review*, Aberdeen Proving Ground, Md.: U.S. Army Medical Research, Institute of Chemical Defense, 1985.

Elsmore TF, “Circadian Susceptibility to Soman Poisoning,” *Fund Appl Toxicol*, 1, 1981, pp. 238–241.

Elson E, “Report on Possible Effects of Organophosphate ‘Low-Level’ Nerve Agent Exposure,” *Health Affairs*, 1996.

Englund W, “Ex-Soviet Scientist Says Gorbachev’s Regime Created New Nerve Gas in ‘91,” *Baltimore Sun*, September 16, 1992a, p. 3A.

_____, “Russia Still Doing Secret Work on Chemical Arms,” *Baltimore Sun*, October 18, 1992b, p. 1A.

Eyring H, *Advantages of Two-Component Chemicals in Munitions, in Binary Weapons and the Problem of Chemical Disarmament*, Washington, D.C.: American Chemical Society, 1976, pp. 13–14.

- Fairhurst S, Maxwell SA, Scawin JW, and Swanston DW, "Skin Effects of Trichothecenes and Their Amelioration by Decontamination," *Toxicology*, 46, 1987, pp. 307–319.
- Fang Y, *Chemical Agents Development in USSR*, trans. from Chinese, Alexandria, Va.: Defense Technical Information Center, 1983.
- Fernandez A, Ramos JJ, Saez T, Sanz MC, and Verde MT, "Changes in the Coagulation Profile of Lambs Intoxicated with Aflatoxin in Their Feed," *Vet Res*, 26, 1995, pp. 180–184.
- Fernandez A, Verde MT, Gomez J, Gascon M, and Ramos JJ, "Changes in the Prothrombin Time, Haematology and Serum Proteins During Experimental Aflatoxicosis in Hens and Broiler Chickens," *Res Vet Sci*, 58, 1995, pp. 119–122.
- Filbert MG, Dochterman LW, Smith CD, Forster JS, Phann S, and Cann FJ, "Effect of Mannitol Treatment on Soman-Induced Brain and Heart Lesions in the Rat," *Drug Dev Res*, 30, 1993, pp. 45–53.
- Fine DR, Shepherd HA, Griffiths GD, and Green M, "Sub-Lethal Poisoning by Self-Injection with Ricin," *Med Sci Law*, 32, 1992, pp. 70–72.
- Finesinger JE, Callaway E, and Seed JC, "Psychological Studies on the Effects of CW Agents," Edgewood Arsenal, Md.: Chemical Warfare Laboratories, DTIC AD144023, 1950.
- Fleisher JH, Harris LW, and Berkowitz PT, "Metabolism of P32 Isopropyl Methylphosphonofluoridate (Sarin) in Dogs," Edgewood Arsenal, Md.: Department of the Army, DTIC AD692841, 1969.
- Fodstad O, Kvalheim G, Godal A, et al., "Phase I Study of the Plant Protein Ricin," *Cancer Res*, 44, 1984, pp. 862–865.
- Fonnum F, Aas P, Sterri S, and Kelle B, "Modulation of the Cholinergic Activity of Bronchial Muscle During Inhalation of Soman," *Fundamental and Applied Toxicology*, 4, 1984, pp. S52–57.
- Fonnum F, and Sterri SH, "Factors Modifying the Toxicity of Organophosphorous Compounds Including Soman and Sarin," *Fund Appl Toxicol*, 1, 1981, pp. 143–147.
- Fonseca MI, Lunt GG, and Aguilar JS, "Inhibition of Muscarinic Cholinergic Receptors by Disulfide Reducing Agents and Arsenicals: Differential Effect on Locust and Rat," *Biochem Pharmacol*, 41, 1991, pp. 735–742.
- Fontelo PA, Beheler J, Bunner DL, and Chu FS, "Detection of T-2 Toxin by an Improved Radioimmunoassay," *Appl Environ Microbiol*, 45, 1983, pp. 640–643.

- Forgacs J, "Stachybotryotoxicosis," in Kadis et al., eds., *Microbial Toxins VIII*, New York: Academic Press, 1972, pp. 294–298.
- Foxwell BMJ, Detre SI, Donovan TA, and Thorpe PE, "The Use of Anti-Ricin Antibodies to Protect Mice Intoxicated with Ricin," *Toxicology*, 34, 1985, pp. 79–88.
- Franke S, *Manual of Military Chemistry*, Vol. 1: *Chemistry of Chemical Warfare Agents*, trans. from German, Cameron Station, Va.: Defense Technical Information Center, 1967.
- Franke S, *Bacterial, Animal and Plant Toxins as Combat Agents, Manual of Military Chemistry*, Vol. 2, Berlin: Militaerverlag der DDR., 1976, pp. 484–485, 488–496.
- Franz DR, and Jaax NK, "Ricin Toxin," in Sidell FR, Takafuji ET, Franz DR, eds., *Textbook of Military Medicine: Medical Aspects of Chemical and Biological Warfare*, Washington, D.C.: Borden Institute, Walter Reed Medical Center, 1997, pp. 631–642.
- Fredriksson T, "Hydrolysis of Soman and Tabun (Two Organophosphorous Cholinesterase Inhibitors) in Cutaneous Tissues," *Acta Derm-venereol*, 49, 1969, pp. 490–492.
- Freeman G, Clements J, Moore J, Inbody J, Clanton B, Luisman E, Berman B, Craig A, Cornblath M, and Johnson R, *Observations of the Effects of Low Concentrations of GB on Man in Rest and Exercise*, Army Chemical Center, Md: Medical Laboratories, DTIC AD04561, 1952.
- Freeman G, Hilton KC, and Brown ES, *V Poisoning in Man*, Edgewood Arsenal, Md.: U.S. Government Printing Office, DTIC AD151549, 1956.
- Freeman G, Marzulli FN, Craig AB, and Trimble JR, *The Toxicity of Liquid GA Applied to the Skin of Man*, Army Chemical Center, Md., 1954.
- Fricke RF, "Decreased Toxicity of T-2 Mycotoxicosis in Mice Pre-Treated with Microsomal Enzyme Inducers," Abstract #1955, *Fed Proc*, 42, 1993, p. 626.
- Friedman A, Kaufer D, Shemer J, Hendler I, Soreq H, and Tur-Kaspa I, "Pyridostigmine Brain Penetration Under Stress Enhances Neuronal Excitability and Induces Early Immediate Transcriptional Response," *Nature Medicine*, 2, 1996, pp. 1382–1385.
- Funk, D, "Pentagon Admits Gulf War Vet Likely Exposed to Toxin," *Army Times*, January 9, 1997.
- Gall P, "The Use of Therapeutic Mixtures in the Treatment of Cholinesterase Inhibition," *Fundam Appl Toxicol*, 1, 1981, pp. 214–216.
- GAO—see U.S. General Accounting Office.

- Gaon MD, and Werne J, *A Study of Human Exposure to GB*, Denver, Colo.: Rocky Mountain Arsenal, 1955.
- Garland FN, "Combat Stress Control in the Post-War Theater: Mental Health Consultation During the Redeployment Phase of Operation Desert Storm," *Mil Med*, 158, 1993, pp. 334–338.
- "Gas Exposure in Gulf War Revisited," *The Washington Post*, July 24, 1997, p. A28.
- Gause EM, Hartmann RJ, Leal BZ, and Geller I, "Neurobehavioral Effects of Repeated Sublethal Soman in Primates," *Pharmacol Biochem Behav*, 23 (6), December 1985, pp. 1003–1012.
- Gershon S, and Shaw FH, "Psychiatric Sequelae of Chronic Exposure to Organophosphorous Insecticides," *Lancet*, 1, 1961, pp. 1371–1374.
- Gibbons R, Gardner J, Cunnion S, Gackstetter G, and Kroenke K, "Identifying New Causes of Disease: Historical Examples and the Dilemma of Illnesses in Gulf War Veterans," *Conference on Federally Sponsored Gulf War Veterans' Illnesses Research—Program and Abstract Book*, June 1998.
- Gilchrist HL, *A Comparative Study of World War Casualties from Gas and Other Weapons*, Edgewood Arsenal, Md.: U.S. Government Printing Office, 1928.
- Gill DM, "Bacterial Toxins: A Table of Lethal Amounts," *Microbiol Revs*, 46, 1982, pp. 86–94.
- Gilman AG, Rall T, Mies A, Taylor, P, *Goodman and Gilman's The Pharmacological Basis of Therapeutics*, 8th ed., New York: Pergamon Press, 1990.
- Giovannelli L, Casamenti F, and Pepeu G, "C-fos Expression in the Rat Nucleus Basalis Upon Excitotoxic Lesion with Quisqualic Acid: A Study in Adult and Aged Animals, Department of Preclinical and Clinical Pharmacology, University of Florence, Italy," *J Neural Transm*, 105 (8–9), 1998, pp. 935–48.
- Goehler LE, Gaykema RP, Hammack SE, Maier SF, and Watkins LR, "Interleukin-1 Induces c-Fos Immunoradioactivity in Primary Afferent Neurons of the Vagus Nerve," *Brain Res*, 804 (2), September 7, 1998, pp. 306–310.
- Goldenberg GJ, et al., "Evidence for a Transport Carrier of Nitrogen Mustard in Nitrogen Mustard Sensitive and Resistant L5178Y Lymphocytes," *Cancer Research*, 30, 1970, pp. 2,285–2,291.
- Goldman M, and Dacre JC, "Lewisite: Its Chemistry, Toxicology, and Biological Effects," *Rev Environ Contam Toxicol*, 110, 1989, pp. 75–115.
- Goldman M, Klein AK, Kawakami TG, and Rosenblatt LS, *Toxicity Studies on Agents GB and GD*, Davis, Calif.: University of California, Laboratory for Energy-Related Health Research, DTIC ADA187841, 1987.

- Goldstein BD, Kiser BD, and Pincher DR, *Physiology of Peripheral Sensory Receptors Following Sub-Acute Administration of Soman*, Augusta, Ga.: Department of Pharmacology & Toxicology, Medical College of Georgia, 1985.
- Golomb BA, *A Review of the Scientific Literature as It Pertains to Gulf War Illnesses*, Vol. 2: *Pyridostigmine Bromide*, Santa Monica, Calif.: RAND, MR-1018/2-OSD, 1999a.
- _____, *A Review of the Scientific Literature as It Pertains to Gulf War Illnesses*, Vol. 2: *Pyridostigmine Bromide Executive Summary*, Santa Monica, Calif.: RAND, MR-1018/2/1-OSD, 1999b.
- _____, *A Review of the Scientific Literature as It Pertains to Gulf War Illnesses*, Vol. 3: *Immunizations*, Santa Monica, Calif.: RAND, MR-1018/3-OSD, 2000.
- Goodwin W, Stephens R, McCracken JD, and Groppe C, "Therapy for Advanced Colorectal Cancer with a Combination of 5FU and Anguidine: A Southwest Oncology Group Study," *Cancer Treat Rep*, 65, 1981, p. 359.
- Gordon JJ, Inns RH, Johnson MK, et al., "The Delayed Neuropathic Effects of Nerve Agents and Some Other Organophosphorus Compounds," *Arch Toxicol*, 52, 1983, pp. 71–82.
- Gordon JJ, Leadbeater L, and Maidment MP, "The Protection of Animals Against Organophosphate Poisoning by Pretreatment with a Carbamate," *Toxicol Appl Pharmacol*, 43, 1978, pp. 207–216.
- Goshorn J, Wilkins M, Peters W, and Zelkind S, *Protection Afforded by M11 Canister Against Mixtures of Phosgene Oxime and GA or GB*, Army Chemical Center, Md.: Chemical Warfare Laboratories, DTIC AD127130, 1956.
- Goyal RK, Muscarinic Receptor Subtypes, "Physiology and Clinical Implications," *New Engl J Med*, 321, 1989, pp. 1022–1028.
- Grasso P, Sharratt M, Davies DM, and Irvine D, "Neurophysiological and Psychological Disorders and Occupational Exposure to Organic Solvents," *Food Chem Toxicol*, 22 (10), October 1984, pp. 819–852.
- Grauer E, Ben Nathan D, Lustig S, Kapon J, and Danenberg HD, "Cholinesterase Inhibitors Increase Brain-Blood Barrier (BBB) Permeability: Neuroinvasion of a Noninvasive Sindbis Virus as a Marker for BBB Integrity," in King JM, ed., *1996 Medical Defense Bioscience Review, Proceedings*, Vol. I, Ft. Detrick, Md.: U.S. Army Medical Research and Materiel Command, May 12–16, 1996, pp. 1202–1209.
- Gray GC, Coate BD, Anderson CM, et al., "The Postwar Hospitalization Experience of U.S. Veterans of the Persian Gulf War," *N Engl J Med*, 335, 1996, pp. 1505–1513.

- Gray GC, Knoke JD, Berg SW, Wagnall FS, and Garrett CE, "Counterpoint: Responding to Suppositions and Misunderstandings," *Am J. Epidem*, 143, 1998, pp. 326–333.
- Gray GC, Smith TC, Knoke JD, and Heller JM, "Hospitalization Risk After Possible Exposure to Iraqi Chemical Munitions Destruction During the Persian Gulf War," *Conference on Federally Sponsored Gulf War Veterans' Illnesses Research—Program and Abstract Book*, Washington D.C., June 1998.
- _____, "The Postwar Hospitalization of Gulf War Veterans Possibly Exposed to Chemical Munitions Destruction at Khamisiya, Iraq," *Am J Epidemiol*, 150 (5), September 1, 1999, pp. 532–540.
- Griffiths GD, Allenby AC, Bailey SC, Hambrook JL, Rice P, and Upshall DG, *The Inhalation Toxicity of Ricin Purified 'In-House' from the Seeds of Ricinus Communis Var, Zanzibariensis*, Porton Down, Salisbury, UK: Ministry of Defense, 1994.
- Griffiths GD, Lindsay CD, Allenby AC, et al., "Protection Against Inhalation Toxicity of Ricin and Abrin by Immunization," *Hum Exp Toxicol*, 14, 1995, pp. 155–164.
- Griffiths BB, Rea WJ, Johnson AR, and Ross GH, "Mitogenic Effects of Mycotoxins on T₄ Lymphocytes," *Microbios*, 86, 1996, pp. 127–134.
- Grob D, "Manifestations and Treatment of Nerve Gas Poisoning in Man," *U.S. Armed Forces Med J*, 7, 1956, pp. 781–789.
- Grob D, and Harvey AM, "The Effects and Treatment of Nerve Gas Poisoning," *Am J Med*, 14, 1953, pp. 52–55.
- Grob D, and Harvey JC, "Effects in Man of the Anticholinesterase Compound Sarin (Isopropyl Methylphosphonofluoridate)," *J Clin Invest*, 37, 1958, pp. 350–68.
- Grob D, Harvey AM, Langworthy OR, et al., "The Administration of Di-Isopropyl Fluorophosphate (DFP) to Man," *Bull Johns Hopkins Hosp*, 81, 1947, pp. 257–266.
- Grob D, and Johns RJ, "Use of Oximes in the Treatment of Intoxication by Anticholinesterase Compounds in Normal Subjects," *Am J Med*, 24, 1958, pp. 497–511.
- Grob D, Ziegler B, Saltzer CA, and Johnston GI, *Further Observations on the Effects in Man of Methyl Isopropyl Fluorophosphonate (GB): Effects of Percutaneous Absorption through Intact and Abraded Skin*, Edgewood, Md.: Chemical Warfare Laboratory, DTIC AD25222, 1953.

- Groopman JD, Scholl P, and Wang JS, "Epidemiology of Human Aflatoxin Exposures and Their Relationship to Liver Cancer," *Prog Clin Biol Res*, 395, 1996, pp. 211–222.
- Gross CL, Meier HL, Papirmeister B, Brinkley FB, and Johnson JB, "Sulfur Mustard Lowers Nicotinamide Adeninedinucleotide Concentrates in Human Skin Grafted to Athymic Nude Mice," *Toxicol Appl Pharmacol*, 81, 1985, pp. 85–90.
- Grunnet E, "Contact Urticaria and Anaphylactoid Reaction Induced by Topical Application of Nitrogen Mustard," *Br J Dermatol*, 94, 1976, pp. 101–103.
- Guengerich FP, Johnson WW, et al., "Involvement of Cytochrome P450 Glutathione S-Transferase and Epoxide Hydrolase in the Metabolism of Aflatoxin B1 and Relevance to Risk of Human Liver Cancer," *Environ Health Perspect*, 104 (Suppl 3), 1996, pp. 557–562.
- Gupta RC, Patterson GT, and Dettbarn WD, "Acute Tabun Toxicity: Biochemical and Histochemical Consequences in Brain and Skeletal Muscles of Rat," *Toxicology*, 46, 1987a, pp. 329–341.
- _____, "Biochemical and Histochemical Alterations Following Acute Soman Intoxication in the Rat," *Fund Appl Pharmacol*, 87, 1987b, pp. 393–402.
- Guttu M, Terry AM, Pauly J, and Buccafusco J, "Memory Impairment in Spontaneously Hypertensive Rates—Role of Central Nicotinic Receptors," Abstract 90.17. *Society for Neuroscience*, 23, 1997.
- Haber LF, *The Poisonous Cloud*, Oxford: Clarendon Press, 1986.
- Hackley BE, Jr., Steinberg GM, and Lamb JC, "Formation of Potent Inhibitors of AChE by Reaction of Pyridinaldoximes with Isopropyl Methylphosphonofluoridate (GB)," Army Chemical Center, Md.: Chemotherapy Branch, U.S. Army Chemical Warfare Laboratories, January 1958.
- Hackman J, Note in *Chemisch Wochbald*, No. 31, 1934, p. 366.
- Haddad LM, and Winchester JF, *Clinical Management of Poisoning and Drug Overdose*, Philadelphia: W.B. Saunders Co., 1983.
- Haggerty GC, Kurtz PJ, and Armstong RD, "Duration and Intensity of Behavioral Change After Sublethal Exposure to Soman in Rats," *Neurobehavioral Toxicology*, 8, 1986, pp. 695–702.
- Haig AM, Jr., *Chemical Warfare in Southeast Asia and Afghanistan*, Washington, D.C.: U.S. Department of State, 1982.
- Haldane JBS, *Callinicus: A Defence of Chemical Warfare*, London: Kegan Paul, Trench, Trubner & Co., Ltd., 1925.

Haley RW, "Point: Bias from the 'Healthy-Warrior Effect' and Unequal Follow-up in Three Government Studies of Health Effects of the Gulf War," *American J of Epidemiology*, 148 (4), August 15, 1998a, pp. 315–323.

_____, "Selection Bias from the 'Healthy-Warrior Effect' and Unequal Follow-up in Federally Sponsored Surveys of Gulf War Veterans," *Conference on Federally Sponsored Gulf War Veterans' Illnesses Research—Program and Abstract Book*, June 1998b.

Haley RW, Armitage R, Bonte FJ, Bryan, WW, Cullum CM, Fleckenstein JL, Frohman EM, Hoffman RF, Hom J, Maddrey AM, Marshall W, Orsulak PJ, Petty F, Roland PS, Shoup AG, Trivedi MH, Van Ness PC, Victor RG, Vongpatanasin W, and Wolfe GI, "Gulf War–Associated Neurological Syndrome in a Decorated Special Forces Officer Compared with His Monozygotic Twin," *Conference on Federally Sponsored Gulf War Veterans' Illnesses Research—Program and Abstract Book*, June 1998.

Haley RW, Horn J, Roland PS, et al., "Evaluation of Neurologic Function in Gulf War Veterans," *JAMA*, 277, 1997, pp. 223–230.

Haley RW, and Kurt TL, "Self-Reported Exposure to Neurotoxic Chemical Combinations in the Gulf War, A Cross-Sectional Epidemiologic Study," *JAMA*, 277, 1997, pp. 231–237.

Haley RW, Kurt TL, and Horn J, "Is There a Gulf War Syndrome? Searching for Syndromes by Factor Analysis of Symptoms," *JAMA*, 277, 1997, pp. 215–222.

Hallman W, Kipen H, Diefenbach M, Kang H, Wartenberg D, Fielder N, and Natelson B, "Defining Gulf War Illness: Self-Reported Health Status Among VA Registry Veterans," *Conference on Federally Sponsored Gulf War Veterans' Illnesses Research—Program and Abstract Book*, June 1998.

Harris JA, "Using C-fos as a Neural Marker of Pain," *Brain Research Bulletin*, 45 (1), 1998, pp. 1–8.

Harris R, and Paxman J, *A Higher Form of Killing, The Secret Story of Chemical and Biological Warfare*, New York: Hill and Wang, 1982.

Harrison JC, and Garner RC, "Immunological and HPLC Detection of Aflatoxin Adducts in Human Tissues After an Acute Poisoning Incident in S.E. Asia," *Carcinogenesis*, 12, 1991, pp. 741–743.

Harrison, RJ, *Textbook of Medicine: With Relevant Physiology and Anatomy*, New York: Wiley, 1997.

Hartgraves SL, and Murphy MR, "Behavioral Effects of Low-Dose Nerve Agents," in Somani (1992).

- Harvey RB, Edrington TS, Kubena LF, Elissalde MH, Corrier DE, and Rottinghaus GE, "Effect of Aflatoxin and Diacetoxyscirpenol in Ewe Lambs," *Bull Environ Contam Toxicol*, 54, 1995, pp. 325–330.
- Hassett CC, *Study of Long-Term Human and Ecological Effects of Chemical Weapons Systems*, DTIC AD406297, 1963.
- Hatta K, Miura Y, Asukai N, and Hamabe Y, "Amnesia from Sarin Poisoning," *Lancet*, 347 (9011), 1996, p. 1343.
- Hayes WJ, Jr., *Pesticides Studied in Man*, Baltimore, Md.: Williams & Wilkins, 1982.
- Hayward IJ, Wall HG, and Hixson CJ, *The Effects of Repeated Intramuscular Low-Doses of Soman in Rhesus Monkeys*, Aberdeen Proving Ground, Md.: U.S. Army Medical Research Institute of Chemical Defense, 1990.
- Helm U, and Weger N, "Grundzuge der Wehrtoxikologie," in *Wehrmedizin: Ein kurzes Handbuch mit Beiträgen zur Katastrophenmedizin*, Munich: Urban & Schwarzenberg, 1980, pp. 245–285.
- Helmkamp JD, "United States Military Casualty Comparisons During the Persian Gulf War," *JOM*, 36, 1994, pp. 609–615.
- Hendry KM, and Cole EC, "A Review of Mycotoxins in Indoor Air," *J Toxicol Environ Health*, 38, 1993, pp. 183–198.
- Henriksson J, Johannisson A, Bergqvist PA, and Norrgren L, "The Toxicity of Organoarsenic-Based Warfare Agents: In Vitro and In Vivo Studies," *Arch Environ Contam Toxicol*, 30, 1996, pp. 213–219.
- Heyndrickx A, ed., *First World Congress: New Compounds in Biological and Chemical Warfare: Toxicological Evaluation, Proceedings*, Ghent, Belgium: State University of Ghent and the National Science Foundation of Belgium, 1984.
- Hilborne LH, and Golomb BA, *A Review of the Scientific Literature as It Pertains to Gulf War Illnesses*, Vol. 1: *Infectious Diseases*, Santa Monica, Calif.: RAND, MR-1018/1-OSD, 2000.
- Himuro K, Murayama S, Nishiyama K, Shinoue T, Iwase H, Nagao M, Takatori T, and Kanazawa I, "Distal Sensory Axonopathy After Sarin Intoxication," *Neurology*, 51 (4), 1998, pp. 1195–1197.
- Hines FJ, "A Comparison of Clinical Diagnoses Among Male and Female Soldiers Deployed During the Persian Gulf War," *Mil Med*, 158, 1993, pp. 99–101.
- Hinshaw DB, Dabrowska MI, Becks LL, Levee MG, and Lelli JL, Jr, "Sulfur Mustard Induces Apoptosis and Necrosis in Endothelial Cells," in King JM, ed.,

- 1996 *Medical Defense Bioscience Review Proceedings*, Volume II, Columbia, Md.: Johns Hopkins University, May 12–16, 1996.
- Hirsch W, *Soviet BW and CW Capabilities 1939–45*, 1950; provided to U.S. Senate at a hearing on March 30, 1982.
- Hirshberg A, Lerman Y, “Clinical Problems in Organophosphate Insecticide Poisoning: The Use of a Computerized Information System,” *Fundam Appl Toxicol*, 4 (2 Pt 2), April 1984, pp. S209–S214.
- Hoffman JL, “Mustard Gas: Detoxification by Methylation and Retrospective Analysis of Exposure,” *Conference on Federally Sponsored Gulf War Veterans’ Illnesses Research—Program and Abstract Book*, June 1998.
- Holmes JH, *Exposure to GB*, Final Report for Edgewood Arsenal, Denver: University of Colorado Medical School, DTIC AD218636, 1959.
- Holmes and Gaon, 1956, in Jamal (1995b).
- Hom J, Haley RW, and Kurt TL, “Neuropsychological Correlates of Gulf War Syndrome,” *Arch Clin Neuropsych*, 12, 1997, pp. 531–44.
- Horvath D, Department of Veterans Affairs, talk given at a meeting of the Association of Military Surgeons of USA (AMSUS), in Nashville, Tenn., November 1997.
- Hoskins B, *A Physiological and Biochemical Basis for the Action of Soman and Related Agents in the Acetylcholine Receptor*, Chicago: Illinois Institute of Technology, Department of Biology, DTIC ADA110841, 1982.
- House—See U.S. House of Representatives.
- Hu H, Cook-Degan R, and Shukri A, “The Use of Chemical Weapons,” *JAMA*, 262, 1989, pp. 640–643.
- Huff WE, Harvey RB, Kubena LF, Rottinghause GE, “Toxic Synergism Between Aflatoxin and T-2 Toxin in Broiler Chickens,” *Poult Sci*, 67 (10), October 1988, pp. 1418–1423.
- Hughes JN, and Lindsay CD, “Morphology of Ricin and Abrin Exposed Endothelial Cells Is Consistent with Apoptotic Cell Death,” *Hum Exp Toxicol*, 15, 1996, pp. 443–451.
- Husain K, Kumar P, Vijayaraghavan R, Singh R, and Das Gupta S, “Influence of Pretreatment of Carbamates on Dynamic Pulmonary Mechanics in Rats Exposed to Sarin Aerosols,” *Ind J Physiol Pharmacol*, 37, 1993, pp. 249–251.
- Husain K, Pant SC, Vijayaraghavan R, and Singh R, “Assessing Delayed Neurotoxicity in Rodents After Nerve Gas Exposure,” *Def Sci J*, 44, 1994, pp. 161–164.

- Husain K, Vijayaraghavan R, Pant SC, Raza SK, and Pandey KS, "Delayed Neurotoxic Effect of Sarin in Mice After Repeated Inhalation Exposure," *J Appl Toxicol*, 13, 1993, pp. 143–145.
- Hyams KC, Wignall FS, and Roswell R, "War Syndromes and Their Evaluation: From the U.S. Civil War to the Persian Gulf War," *Ann Intern Med*, 125, 1996, pp. 398–405.
- Inada S, Hiragun K, Seo K, Yamata T, "Multiple Bowens Disease Observed in Former Workers of a Poison Gas Factory in Japan," *Journal of Dermatology*, 5, 1978, pp. 49–60.
- Inada K, Okada S, Phuchareon J, Hatano M, Sugimoto T, Moriya H, and Tokuhisa T, "c-Fos Induces Apoptosis in Germinal Center B Cells," *J Immunol*, 161 (8), October 15, 1998, pp. 3853–3861.
- Infield GB, *Disaster at Bari*, New York, NY: Ace Books, 1971.
- Inoue N, "Psychiatric Symptoms Following Accidental Exposure to Sarin," *Fukuoka Acta Medica*, 86, 1995, pp. 373–377.
- Institute of Medicine, *Evaluation of the Department of Defense Persian Gulf Comprehensive Clinical Evaluation Program*, Washington D.C.: National Academy Press, 1996.
- _____, *Adequacy of the Comprehensive Clinical Evaluation Program, Nerve Agents*, Washington, D.C.: National Academy Press, 1997.
- IOM—see Institute of Medicine.
- "Iraq May Have Moved Chemical Weapons into Southern Kuwait," *Financial Times*, August 9, 1990, p. 2.
- "Iraq: How Iraq is Defying the World Concerning the Alleged Use of Chemical Weapons by its Armed Forces against the Kurdish Population," *Financial Times*, August 8 1988, p. 20.
- "Iraqi Threat of Chemical Warfare with Israel," *Financial Times*, April 3, 1990, p. 22.
- Ishiguro M, Tanabe S, Matori Y, and Sakakibara R, "Biochemical Studies on Oral Toxicity of Ricin: IV, a Fate of Orally Administered Ricin in Rats," *J Pharmacobio Dyn*, 15, 1992, pp. 147–156.
- Jacobson KH, Christensen MK, DeArmon IA, and Oberst FW, "Studies of Chronic Exposures of Dogs to GB (Isopropyl Methyphosphonofluoridate) Vapor," *Arch Indust Health*, 19, 1959, p. 5.
- Jagadeesan V, Rukmini C, Vijayaraghavan M, and Tulpule PG, "Immune Studies with T-2 Toxin Effect of Feeding and Withdrawal in Monkeys," *Food Chem Toxicol*, 20 (1), February 1982, pp. 83–87.

- Jakab GJ, Hmieleski RR, Zarba A, Hemenway DR, and Groopman JD, "Respiratory Aflatoxicosis: Suppression of Pulmonary and Systemic Host Defenses in Rats and Mice," *Toxicol Appl Pharmacol*, 125, 1994, pp. 198–205.
- Jamal GA, "Long Term Neurotoxic Effects of Chemical Warfare Organophosphate Compounds (Sarin)," editorial, *Adverse Drug React Toxicol Rev*, 14, 1995, pp. 83–84.
- _____, "Long Term Neurotoxic Effects of Organophosphate Compounds," *Adverse Drug React Toxicol Rev*, 14, 1995, pp. 85–99.
- Jamal GA, Hansen S, Apartopoulous F, and Peden A, "The Gulf War Syndrome: Is There Evidence of Dysfunction in the Nervous System?" *J Neurol Neurosurg Psychiatry*, 60, 1996, pp. 449–451.
- Jarvis BB, "Tricothecene Mycotoxins: Preparation, Analysis, and Chemical Reactivity," College Park, Md.: University of Maryland, 1985.
- Joffe MH, et al., "Effects of Aqueous Solution of Cutaneous Applied Phosgene Oxime in Humans," DTIC AD35624, 1954.
- Johanson WG, Jr., Anzueto A, et al., "Etiology of Respiratory Failure in Organophosphate Intoxication in Nonhuman Primates," *Fifth Annual Chemical Defense Bioscience Review*, 1985, p. 82.
- Johns RJ, "The Effects of Low Concentrations of GB on the Human Eye," Army Chemical Center, Md., ABD 9548421, 1952.
- Johnsen H, Edden E, Lie O, Johnsen BA, and Fonnum F, "Metabolism of T-2 Toxin by Rat Liver Carboxytetrase," *Biochem Pharmacol*, 35, 1986, pp. 1469–1473.
- Johnson DE, *Pathophysiology of Soman and Sarin*, Aberdeen Proving Ground, Md.: U.S. Army Institute of Chemical Defense and the U.S. Air Force, DAMD17-83-C-3080, 1985.
- Johnson DE, Anzueto A, Hamil HF, et al., *Studies of the Effects of Organophosphorous Exposure on the Lung*, San Antonio TX: Southwest Research Institute, 1988.
- Johnson MK, "The Delayed Neuropathy Caused by Some Organophosphorous Esters: Mechanisms and Challenge," *CRC Crit Rev Toxicology*, 3, 1975, pp. 289–316.
- Johnson MK, "Molecular Events in Delayed Neuropathy: Experimental Aspects of Neuropathy Target Esterase," in Baillyntyne and Marrs, eds., *Clinical and Experimental Toxicology of Organophosphates and Carbamates*, London: Butterworth and Heinemann, 1992.

- Johnson MK, and Read DJ, "The Influence of Chirality on the Delayed Neuro-pathic Potential of Some Organophosphorus Esters: Neuro-pathic and Pro-phy-lactic Effects of Stereoisomeric Esters of Ethyl Phenylphosphonic acid (EPN Oxon and EPN) Correlate with Quantities of Aged and Unaged Neu-ro-pathy Target Esterase In Vivo," *Toxicol Appl Pharmacol*, 90, 1987, pp. 103–115.
- Johnson MK, Read D, and Benschop H, "Interaction of the Four Stereoisomers of Soman with Acetylcholinesterase and Neuro-pathy Target Esterase of Hen Brain," *Biochemical Pharmacology*, 34, 1985, pp. 1945–1951.
- Johnson MK, Willems JL, DeBisschop HC, Read DJ, and Benschop HP, "Can Soman Cause Delayed Neuro-pathy?" *Fund Appl Toxicol*, 5, 1985, pp. S180–S181.
- Joseph SC, "A Comprehensive Clinical Evaluation of 20,000 Persian Gulf War Veterans," *Mil Med*, 162, 1997, pp. 149–155.
- Joy R, and Goldman R, "Microenvironments, Modern Equipment and the Mobility of Soldiers," in *Symposium on Medical Aspects of Stress in the Military Climate*, Washington, D.C.: Walter Reed Army Medical Center, 1964, pp. 101–124.
- Kadar T, Cohen G, Sahar R, Alkalai D, and Shapira S, "Long-Term Study of Brain Lesions Following Soman, in Comparison to DFP and Metrazol Poisoning," *Hum Exp Toxicol*, 11, 1992, pp. 517–523.
- Kadar T, Shapira S, Cohen G, Sahar R, Alkalai D, and Reveh L, "Sarin-Induced Neuro-pathy in Rats," *Hum Exp Toxicol*, 14, 1995, pp. 252–259.
- Kaina B, Haas S, and Kappes H, "A General Role for c-Fos in Cellular Protection Against DNA-Damaging Carcinogens and Cytostatic Drugs," *Cancer Res*, 57 (13), July 1, 1997, pp. 2,721–2,731.
- Kang HK, and Bullman TA, "Mortality Among U.S. Veterans of the Persian Gulf War," *New Engl J Med*, 335, 1996, pp. 1,496–1,504.
- Kang HK and Bullman TA, "Counterpoint: Negligible 'Healthy-Warrior Effect' on Gulf War Veterans Mortality," *Am J Epidem*, 146, 1998, pp. 324–325.
- Kant GJ, Shih TM, Bernton EW, Fein HG, Smallridge RC, and Mougey EH, "Effects of Soman on Neuroendocrine and Immune Function," *Neurotox Teratol*, 13, 1991, pp. 223–228.
- Kaplan JG, Kessler J, Rosenberg N, Pack D, and Schaumburg HH, "Sensory Neu-ro-pathy Associated with Dursban (Chlorpyrifos) Exposure," *Neurology*, 43, 1993, pp. 2193–2196.

- Karakchiev NI, "Toxicology of Chemical Warfare Agents and Defense Against Weapons of Mass Destruction," trans. from Russian, Charlottesville, Va.: Department of the Army, 1973.
- Karczmar AG, "Acute and Long Lasting Central Actions of Organophosphorous Agents," *Fundam Appl Toxicol*, 4, 1984, pp. S1-S17.
- Kassa J and Bajgar J, "Comparison of the Efficacy of HI-6 and Obidoxime Against Cyclohexylmethyl-phosphonofluoridate (GF) in Rats," *Human and Environmental Toxicology*, 14, 1995, pp. 923-928.
- Kato T, and Hamanaka T, "Ocular Signs and Symptoms Caused by Exposure to Sarin Gas," *Am J Ophthalmol*, 121, 1996, pp. 209-210.
- Kaufer D, Friedman A, Seidman S, and Soreq H, "Acute Stress Facilitates Long-Lasting Changes in Cholinergic Gene Expression," *Nature*, 393, 1998, pp. 373-377.
- Kaulla E, et al., "Changes Following Anticholinesterase Exposure," *Arch Environ Health*, 2, 1961, pp. 168-177.
- Kaur C, and Ling EA, "Induced Hydrocephalus in Postnatal Rats Following an Intracerebral Injection of Ricin," *J Hirnforsch*, 34, 1993, pp. 493-501.
- Keenan WF, "Non-Surgical Medical Care of Enemy Prisoners of War During Operation Desert Storm," *Mil Med*, 156, 1991, pp. 648-650.
- Kelly SS, Mutch E, Williams FM, and Blain PG, "Electrophysiological and Biochemical Effects Following Single Doses of Organophosphates in the Mouse," *Arch Toxicol*, 68 (7), 1994, pp. 459-466.
- Kemppainen BW, Riley RT, Pace JG, and Hoerr FJ, "Effects of Skin Storage Conditions and Concentration of Applied Dose on [3H]T-2 Toxin Penetration Through Excised Human and Monkey Skin," *Fund Chem Toxic*, 24, 1986, pp. 221-227.
- Kemppainen BW, Riley RT, Pace JG, Hoerr FJ, and Joyave J, "Evaluation of Monkey Skin as a Model for in Vitro Percutaneous Penetration and Metabolism of [3H]T-2 Toxin in Human Skin," *Fund Appl Toxicol*, 7, 1986, pp. 367-375.
- Kimbrough TD, Llewellyn GC, and Weekley LB, "The Effect of Aflatoxin B1 Exposure on Serotonin Metabolism," *Metabolic Brain Disease*, 1992, pp. 175-182.
- King JR, Peters BP, and Monteiro-Riviere NA, "Laminin in the Cutaneous Basement Membrane as a Potential Target in Lewisite Vesication," *Toxicol Appl Pharmacol*, 126, 1994, pp. 164-173.

- King JR, Riviere JE, and Monteiro-Riviere NA, "Characterization of Lewisite Toxicity in Isolated Perfused Skin," *Toxicol Appl Pharmacol*, 116, 1992, pp. 189–201.
- Kisby GE, Springer N, and Spencer SP, "A Novel and Sensitive Method for Detecting Mustard-Induced DNA Adducts," *Conference on Federally Sponsored Gulf War Veterans' Illnesses Research—Program and Abstract Book*, June 1998.
- Klain GJ, and Jaeger JJ, *Castor Seed Poisoning in Humans: A Review*, San Francisco, CA: Letterman Army Institute of Research, Presidio of San Francisco, 1990, p. 205.
- Klaassen CD, ed., *Casarett and Doull's Toxicology: The Basic Science of Poisons*, 5th ed., New York: McGraw Hill, 1996.
- Klein AK, Nasr ML, and Goldman M, "The Effects of In Vitro Exposure to the Neurotoxins Sarin (GB) and Soman (GD) on Unscheduled DNA Synthesis by Rat Hepatocytes," *Toxicol Lett*, 38, 1987, pp. 239–249.
- Knudson GB, "Operation Desert Shield: Medical Aspects of Weapons of Mass Destruction," *Mil Med*, 156, 1991, pp. 267–271.
- Koelle GB, "Pharmacology of Organophosphates," *J Appl Toxicol*, 14, 1994, pp. 105–109.
- Kokes J, Assaad A, Pitt L, Estep J, Mcanulty E, and Parker G, "Acute Pulmonary Response of Rats Exposed to a Sublethal Dose of Ricin Aerosol," *FASEB Journal*, 8 (4–5), 1994.
- Koplovitz I, Gresham VC, Dochterman LW, Kaminskis A, and Stewart JR, "Evaluation of the Toxicity, Pathology, and Treatment of Cyclohexylmethylphosphonofluoridate (CMPF) Poisoning in Rhesus Monkeys," *Arch Toxicol*, 66, 1992, pp. 622–628.
- Korenyi-Both AL, and Juncer DJ, "Al Eskan Disease: Persian Gulf Syndrome," *Mil Med*, 162, 1997, pp. 1–13.
- Korpela M, and Tahti H, "Effects of Organic Solvents on Erythrocyte Membrane Acetylcholine Esterase Activity," *Arch Toxicol*, 8, Suppl, 1985, pp. 148–151.
- _____, "Effect of Organic Solvents on Human Erythrocyte Membrane Acetylcholinesterase Activity In Vitro," *Arch Toxicol*, 9, Suppl 1986a, pp. 320–323.
- _____, "The Effect of Selected Organic Solvents on Intact Human Red Cell Membrane Acetylcholinesterase In Vitro," *Toxicol Appl Pharmacol*, 85 (2), September 1986b, pp. 257–262.

- _____, "The Effect of In Vitro and In Vivo Toluene Exposure on Rat Erythrocyte and Synaptosome Membrane Integral Enzymes," *Pharmacol Toxicol*, 63 (1), July 1988, pp. 30–32.
- Korsak RJ, and Sato MM, "Effects of Chronic Organophosphate Pesticide Exposure on the Central Nervous System," *Clin Toxicol*, 11, 1977, pp. 83–95.
- Koshes RJ, and Rothberg JM, "Ambulatory Mental Health Services at a U.S. Army Combat Support Post: The Effects of the Persian Gulf War," *Mil Med*, 160, 1995, pp. 507–513.
- Koster R, "Synergisms and Antagonisms Between Physostigmine and Di-Isopropyl Fluorophosphate in Cats," *J Pharmacol, Exp Ther*, 88, 1946, pp. 39–49.
- Kovacs KJ, "C-Fos as a Transcription Factor: A Stressful (Re)view from a Functional Map," *Neurochem Int*, 33 (4), October 1998, pp. 287–297.
- Krakow EH and Fuhr I, "Toxicity of GA Vapor by Cutaneous Absorption for Monkey and Man," Army Chemical Center, Md.: Chemical Corps, Medical Division, DTIC AD491 578, 1949.
- Kroenke K, Koslowe P, and Roy M, "Symptoms in 18, 495 Persian Gulf War Veterans, Latency of Onset and Lack of Association with Z-Reported Exposures," *J Occup Environ Med*, 40 (6), June 1998, pp. 520–528.
- Krustanov L, "Changes in Serum Cholinesterase in the Case of Combined Mustard Gas—Tabun Intoxications," *Voenna-meditinska* [Bulgarian], 17, DTIC AD909889L, 1962, pp. 26–29.
- Kundiev YI, Krasnyuk EP, and Viter VP, "Specific Features of the Changes in the Health Status of Female Workers Exposed to Pesticides in Greenhouses," *Toxicol Lett*, 33, 1986, pp. 85–89.
- LaBlanc FN, Benson BE, and Gilg AD, "A Severe Organophosphate Poisoning Requiring the Use of an Atropine Drip," *Clin Toxicol*, 24, 1986, pp. 69–76.
- LaBorde JB, Bates HK, Dacre JC, and Young JF, "Developmental Toxicity of Sarin in Rats and Rabbits," *J Toxicol Environ Health*, 47 (3), February 23, 1996, pp. 249–265.
- Lane SJ, Adcock IM, Richards D, Hawrylowicz C, Barnes PJ, and Lee TH, "Corticosteroid-Resistant Bronchial Asthma Is Associated with Increased c-fos Expression in Monocytes and T Lymphocytes," *J Clin Invest*, 102 (12), December 15, 1998, pp. 2156–2164.
- Larsson P, and Tjalve H, "Bioactivation of Aflatoxin B1 in the Nasal and Tracheal Mucosa in Swine," *J An Sci*, 74, 1996, pp. 1672–1680.

- Lattal K, Maxey G, and Wilbur E, "The Effects of Serial 1/2 LD50 Doses of GB upon Delayed Response and Conditioned Avoidance Response Tests," Edgewood8 Arsenal, Md., Technical Report 2289, DTIC AD723394, 1971.
- Lee SC, Beery JT, and Chu FS, "Immunoperoxidase Localization of T-2 Toxin," *Appl Pharmacol*, 72, 1984, pp. 228–235.
- Leek M, Griffiths G, et al., "Pathological Aspects of Ricin Toxicity in Mammalian Lymph Node and Spleen," *Med Sci Law*, 30, 1990, pp. 141–148.
- Lees-Haley PR, and Brown RS, "Biases in Perception and Reporting Following a Perceived Toxic Exposure," *Percept Mot Skills*, 75, 1992, pp. 531–544.
- Lenz DE, Maxwell DM, and Austin CW, "Development of a Rat Model for Subacute Exposure to the Toxic Organophosphate VX," *Journal of the American College of Toxicology*, 15, Supp. 2, S69–77, 1996.
- Li BY, Frankel AE, and Ramakrishnan S, "High-Level Expression and Simplified Purification of Recombinant Ricin A Chain," *Protein Expr Purif*, 3, 1992, pp. 386–394.
- Li Q, Minami M, Clement JG, and Boulet CA, "Elevate Frequency of Sister Chromatid Exchanges in Lymphocytes of Victims of the Tokyo Sarin Disaster and in Experiments Exposing Lymphocytes to By-Products of Sarin Synthesis," *Toxicol Lett*, 98 (1–2), 1998, pp. 95–103.
- Lipton SA, and Rosenberg PA, "Excitatory Amino Acids as a Final Common Pathway for Neurologic Disorders," *New Engl J Med*, 330, 1994, pp. 613–622.
- Loewenstein-Lichtenstein Y, Schwarz M, Glick D, Norgaard-Pedersen B, and Zakut H, "Genetic Predisposition to Adverse Consequences of Anti-Cholinesterases in 'Atypical' BCHE Carriers," *Nat Med*, 1 (10), October 1995, pp. 1082–1085.
- Lohs K, *Delayed Toxic Effects of Chemical Warfare Agents*, Stockholm: Almqvist & Wiksell International, 1975.
- Longmire AW, "The Medical Care of Iraqi Enemy Prisoners of War," *Mil Med*, 156, 1991, pp. 645–647.
- Lotti M, "The Pathogenesis of Organophosphate Polyneuropathy," *Crit Rev Toxicol*, 21, 1991, pp. 465–487.
- Lotti M, "A. M. Cholinergic Symptoms and Gulf War Syndrome," *Nature Med*, 1, 1995, pp. 1225–1226.
- Lu XC, Tortella FC, Ved HS, Garcia GE, and Dave JR, "Neuroprotective Role of c-fos Antisense Oligonucleotide: In Vitro and In Vivo Studies," *Neuroreport*, 8 (13), September 1997, pp. 2925–2929.

- Ludlum DB, and Austin-Ritchie P, "Detection of Sulfur Mustard-Induced DNA Modifications," abstract, *Chem Biol Interact*, 91, 1994, pp. 39–49.
- Lutsky I, Mor N, Yagen B, and Joffe AZ, "The role of T-2 Toxin in Experimental Alimentary Toxic Aleukia: A Toxicity Study in Cats," *Toxic Appl Pharmacol*, 43, 1978, pp. 111–124.
- Lye MS, Ghazali AA, Mohan J, Alwin N, and Nair RC, "An Outbreak of Acute Hepatic Encephalopathy Due to Severe Aflatoxicosis in Malaysia," *Am J Tropical Medicine & Hygiene*, 53, 1995, pp. 68–72.
- Macilwain C, "Study Proves Iraq Used Nerve Gas," *Nature*, 363, 1993, p. 3.
- Maizlish N, Schenker M, Weisskopf C, Seiber J, and Samuels S, "A Behavioral Evaluation of Pest Control Workers with Short-Term, Low-Level Exposure to the Organophosphate Diazinon," *Am J Ind Med*, 12 (2), 1987, pp. 153–172.
- Malatesta P, Bianchi B, and Malatesta C, "A Contribution to the Study of Urticant Substances," *Bollettino Chimico Farmaceutico*, 122, 1983, pp. 96–103.
- Marrs TC, Maynard RL, and Sidell FR, *Chemical Warfare Agents, Toxicology and Treatment*, NY: John Wiley & Sons, 1996.
- Marshall E, "Bracing for a Biological Nightmare," *Science*, 1997, 275, pp. 745.
- Marshall F, and Gass A, "Gulf War Diseases: A Critical Review of 400 Examinations," *Conference on Federally Sponsored Gulf War Veterans' Illnesses Research—Program and Abstract Book*, June 1998.
- Marshall GN, Davis LM, and Sherbourne CD, *A Review of the Scientific Literature As It Pertains to Gulf War Illnesses*, Vol. 4: *Stress*, Santa Monica, Calif.: RAND, MR-1018/4-OSD, 1999.
- Martinez M, Phillips PJ, and Herbert J, "Adaptation in Patterns of c-fos Expression in the Brain Associated with Exposure to Either Single or Repeated Social Stress in Male Rats," *Eur J Neurosci*, 10 (1), January 1998, pp. 200–233.
- Massey TE, "Cellular and Molecular Targets in Pulmonary Chemical Carcinogenesis: Studies with Aflatoxin B1," *Can J Physiol Pharmacol*, 74, 1996, pp. 621–628.
- Masuda N, Takatsu M, Morinari H, Ozawa T, Nozaki H, and Aikawa N, "Sarin Poisoning in Tokyo Subway," *Lancet*, 345, 1995, pp. 1446–1447.
- Matsuda Y, Nagao M, Takatori T, Niijima H, Nakajima M, Iwase H, Kobayashi M, and Iwadate K, "Detection of the Sarin Hydrolysis Product in Formalin-Fixed Brain Tissues of Victims of the Tokyo Subway Terrorist Attack," *Toxicology and Applied Pharmacology*, 150 (2), 1998, pp. 310–320.

- Maxwell DM, *Specificity of Carboxylesterase Protection Against the Toxicity of Organophosphorous Compounds*, abstract, Aberdeen Proving Ground, Md.: Army Medical Research Institute of Chemical Defense, DTIC ADA258091/8, 1992.
- Maxwell DM, and Brecht KM, "Quantitative Structure-Activity Analysis of Acetylcholinesterase Inhibition by Oxono and Thiono Analogues of Organophosphorus Compounds," *Chem Res Toxicol*, 5 (1), 1992, pp. 66–71.
- Maxwell DM, et al., "The Effect of Blood Flow and Detoxification on in vivo Cholinesterase inhibition by Soman in the Rat," *Toxicol and Appl Pharm*, 88, 1987, pp. 66–67.
- Mayer CF, "Endemic Panmyelotoxicosis in the Russian Grain Belt, Part One: The Clinical Aspects of Alimentary Toxic Aleukia (ATA): A Comprehensive Review," *Mil Surg*, 113, 1953a, pp. 173–189.
- _____, "Endemic Panmyelotoxicosis in the Russian Grain Belt, Part Two: The Botany, Phytopathology and Toxicology of Russian Cereal Food," *Mil Surg*, 113, 1953b, pp. 295–315.
- Mays MZ, "Performance on a One-Way Avoidance Conditioning Task Following Nerve Agent Intoxication," *Proceedings of the Fifth Annual Chemical Defense Bioscience Review*, Aberdeen Proving Ground, Md.: U.S. Army Medical Research Institute of Chemical Defense, 1985.
- McAdams AJ, and Joffe MH, *A Toxicologic Study of Phosgene Oxime*, Army Chemical Center, Md.: Medical Laboratories, Research Report 381, 1955.
- McDiarmid MA, Jacobson-Kram D, Koloder K, et al., "Increased Frequencies of Sister Chromatid Exchange to Soldiers Deployed to Kuwait," *Mutagenesis*, 10, 1995, pp. 263–265.
- McDonough JH, Jr., Dochterman LW, Smith CD, and Shih TM, "Protection Against Nerve Agent-Induced Neuropathology, but not Cardiac Pathology, Is Associated with the Anticonvulsant Action of Drug Treatment," *Neurotoxicology*, 16, 1995, pp. 123–132.
- McDonough JH, Jaax NK, Crowley RA, Mays MZ, and Modrow HE, "Atropine and/or Diazepam Therapy Protects Against Soman-Induced Neural and Cardiac Pathology," *Fund Appl Toxicol*, 13, 1989, pp. 256–276.
- McKenzie JE, and Ballamy RF, *Cholinergic Induced Coronary Vasospasm: Treatment of Organophosphate Toxicity*, abstract, Bethesda, Md.: Uniformed Services University of the Health Sciences, 1993.
- McLean M, and Dutton MF, "Cellular Interactions and Metabolism of Aflatoxin: An Update," *Pharmacol Ther*, 65, 1995, pp. 163–192.

- McLeod CG, Jr., "Pathology of Nerve Agents: Perspectives on Medical Management," *Fund Appl Toxicol*, 5, 1985, pp. S10–S16.
- McNamara BP, Leitnaker FC, and Vocci FJ, "Proposed Limits for Human Exposure to VX Vapor in Military Operations," DTIC AD770434, 1973.
- McNamara BP, Owens EJ, Christensen MK, Vocci FJ, Ford DF, and Rozimarek H, *Toxicological Basis for Controlling Levels of Mustard in the Environment*, Edgewood Arsenal, Md.: Department of the Army, DTIC ADA011260, 1975.
- McNamara BP, Owens EJ, Crook JW, et al., *Long-Term Airborne Exposure to Methylphosphonic Difluoride (DF) Vapor in Animals*, Defense Technical Information Center, ARCSL-TR-78023, 1979.
- Medical Economics Company, *Physicians Desk Reference*, 52 ed., Medical Economics Company, 1998.
- Meier HL, Gross CL, and Papirmeister B, "The Release of Histamine from Human Basophil Appears to Be Regulated by an Esterase and a Muscarinic-Like Receptor," abstract, *Proceedings of the Fifth Annual Chemical Defense Bioscience Review*, Aberdeen Proving Ground, Md.: U.S. Army Medical Research Institute of Chemical Defense, 1985.
- Metcalf DR, and Holmes JH, "EEG, Physiological and Neurological Alterations in Humans with Organophosphorous Exposure," *Ann NY Acad Sci*, 160, 1969, pp. 357–365.
- Meyn RE, "Cell Cycle Effects of Alkylating Agents," *Pharm Ther*, 24, 1984, pp. 147–163.
- Meyn RE, and Murray D, "Cell Cycle Effects of Alkylating Agents," *Pharmacol Ther*, 24, 1984, pp. 147–163.
- Mierzejewski J, "The Immune Processes in Animals Poisoned with Methylfluorophosphoric Acid Isopropyl Ester (MfAIE): Effect of Poisoning on Certain Immunological Indices," *Med Dosw Mikrobiol*, 22, 1970a, pp. 293–299.
- Mierzejewski J, "The Immune Processes in Animals Poisoned with Methylfluorophosphoric Acid Isopropyl Ester (MfAIE): Effect of Multiple Poisoning on Some Immunological Indices," *Med Dosw Mikrobiol*, 22, 1970b, pp. 387–394.
- Miller J, "The Inspectors: New Expert Panels Say Iraq Still Withholds Gas Data," *The New York Times*, February 14, 1998, p. 112.
- Minami M, Hui DM, Wang Z, Katsumata M, Inagaki H, Li Q, Inuzuka S, Mashiko K, Yamamoto Y, Otsuka T, and Boulet CA, Clement JG, "Biological Monitoring of Metabolites of Sarin and Its By-Products in Human Urine Samples," *J Toxicol Sci*, 23 Suppl 2, 1998, pp. 250–254.

- Minson JB, Llewellyn-Smith IJ, Chalmers JP, Pilowsky PM, and Arnold LF, "c-fos Identifies GABA-Synthesizing Barosensitive Neurons in Caudal Ventrolateral Medulla," *Neuroreport*, 8 (14), September 29, 1997, pp. 3015–3021.
- Mirocha CJ, Pawlosky RJ, and Chatterjee K, "Analytical Methodology, Detection of Trichothecenes from Southeast Asian Samples and Their Residue in Animal Tissue," *First World Congress: New Compounds in Biological Warfare: Toxicological Evaluation, Proceedings*, Ghent, Belgium: State University of Ghent and National Science Foundation, 1984.
- MMWR—see Morbidity and Mortality Weekly Report
- Morbidity and Mortality Weekly Report, Recommendations for Protecting Human Health Against Potential Adverse Effects of Long-Term Exposure to Low-Doses of Chemical Warfare Agents, MMWR, 37, 1988, pp. 72–79.
- Modrow HE, and McDonough JH, "Change in Atropine Dose Effect Curve After Subacute Soman Administration," *Pharmacology Biochemistry & Behavior*, 24, 1986, pp. 845–848.
- Mol MAE, Wolthuis OL, "An In Vitro Assay for Dermatotoxicity Using Cultured Human Epidermal Cells," *Lab Appl Sci Res*, 1987.
- Momeni AZ, and Amindjavaheri M, "Skin Manifestations of Mustard Gas in a Group of 14 Children and Teenagers: A Clinical Study," *Int J Dermatol*, 33, 1994, pp. 184–187.
- Momeni AZ, Enshaeih S, Meghdadi M, and Amindjavaheri M, "Skin Manifestations of Mustard Gas: A Clinical Study of 535 Patients Exposed to Mustard Gas," *Arch Dermatol*, 128, 1992, pp. 775–780.
- Morino H, Sakakibara R, and Ishiguro M, "The Binding of Ricin to Its Receptor Is Not Required for the Expression of Its Toxicity," *Biol Pharm Bull*, 18, 1995, pp. 1770–1772.
- Morita H, Yanagisawa N, Nakajima T, et al., "Sarin Poisoning in Matsumoto, Japan," *Lancet*, 346, 1995, pp. 290–293.
- Morris D, "Investigations of Incidents and Exposures Relevant to the Potential Causes of Gulf War Illnesses," Conference on Federally Sponsored Gulf War Veteran's Illness Research, June 1998.
- Mougey EH, Pennington LL, Kant CJ, Leu JR, and Raslear TG, "Effects of Organophosphate DFP on Hormonal Rhythms in the Rat," *Fifth Annual Chemical Defense Bioscience Review*, Aberdeen Proving Ground, Md.: U.S. Army Medical Research, Institute of Chemical Defense, 1985.
- Mumford SA, "Physiological Assessment of the Nerve Gasses," Porton, Wilks, U.K.: Chemical Defence Research Establishment, Memorandum No. 39, 1950.

- Murata K, Araki S, Yokoyama K, Okumura T, Ishimatsu S, Takasu N, and White RF, "Asymptomatic Sequelae to Acute Sarin Poisoning in the Central and Autonomic Nervous System 6 Months after the Tokyo Subway Attack," *J Neurol*, 244, 1997, pp. 601–606.
- Murayama S, "Peripheral Nerve Disorders: Clinical Pathological Approaches," *Rinsho Shinkeigaku*, 37 (12), 1997, pp. 1103–1104.
- Murphy WK, Burgess MA, Valdivieso M, Livingston RB, and Bodey GP, Freireich EJ, "Phase I Clinical Evaluation of Anguidine," *Cancer Treat Rep*, 62, 1978, pp. 1497–1502.
- Mutch E, Blain PG, and Williams FM, "Interindividual Variations in Enzymes Controlling Organophosphate Toxicity in Man," *Hum Exp Toxicol*, 11, 1992, pp. 109–161.
- Nakajima T, Ohta S, Morita H, Midorikawa Y, Mimura S, and Yanagisawa N, "Epidemiological Study of Sarin Poisoning in Matsumoto City, Japan," *J Epidemiol*, 8 (1), March 1998, pp. 33–41.
- Nakajima T, Sasaki K, Ozawa H, Sekijima Y, Morita H, Fukushima Y, and Yanagisawa N, "Urinary Metabolites of Sarin in a Patient of the Matsumoto Sarin Incident," *Archives of Toxicology*, 72 (9), 1998, pp. 601–603.
- Nakajima T, Sato S, Morita H, and Yanagisawa N, "Sarin Poisoning of a Rescue Team in the Matsumoto Sarin Incident in Japan," *Occup Environ Med*, 54 (10), October 1997, pp. 697–701.
- Namba T, Nolte CT, Jackrel J, and Grob D, "Poisoning Due to Organophosphate Insecticides: Acute and Chronic Manifestations," 50, *Am J Med*, 1971, pp. 475–492.
- Narang U, Anderson GP, Ligler FS, and Burans J, "Fiber Optic-Based Biosensor for Ricin," *Biosens Bioelectron*, 12, Nos. 9–10, 1997, pp. 937–945.
- National Academy of Sciences, *Protection Against Trichothecene Mycotoxins*, Washington, D.C.: National Academy Press, 1983.
- National Academy of Sciences, National Research Council, Committee on Toxicology, *Possible Long-Term Health Effects of Short-Term Exposure to Chemical Agents*, Vol. 1: *Anticholinesterases and Anticholinergics*, Washington, D.C.: National Academy Press, 1982.
- _____, National Research Council, Committee on Toxicology, *Possible Long-Term Health Effects of Short-Term Exposure to Chemical Agents*, Vol. 2: *Cholinesterase Reactivators, Psychochemicals, Irritants, and Vesicants*, Washington, D.C.: National Academy Press, 1982.
- _____, National Research Council, Committee on Toxicology, *Possible Long-Term Health Effects of Short-Term Exposure to Chemical Agents*, Vol. 2:

Cholinesterase Reactivators, Psychochemicals, and Irritants and Vesicants, Washington, D.C.: National Academy Press, 1984.

_____, National Research Council, Committee on Toxicology, *Possible Long-Term Health Effects of Short-Term Exposure to Chemical Agents*, Vol. 3: *Final Report: Current Health Status of Subjects*, Washington, D.C.: National Academy Press, 1985.

_____, National Research Council, Committee on Toxicology, Subcommittee on Guidelines for Military Field Drinking-Water Quality, *Guidelines for Chemical Warfare Agents in Military Field Drinking Water*, Washington, D.C.: National Academy Press, 1995.

_____, National Research Council, Committee on Toxicology, Subcommittee on Toxicity Values for Selected Nerve and Vesicant Agents, *Review of Acute Human-Toxicity Estimates for Selected Chemical-Warfare Agents*, Washington, D.C.: National Academy Press, 1997.

National Institutes of Health, Technology Assessment Workshop Panel, "The Persian Gulf Experience and Health," *JAMA*, 272, 1994, pp. 391–396.

NAS—see National Academy of Sciences.

NATO—see North Atlantic Treaty Organization.

Neitlich HW, *Effect of Percutaneous GD on Human Subjects*, DTIC AD471794, 1965.

Newman JM, Rindler JM, Bergfeld WF, and Brydon JK, "Stevens-Johnson Syndrome Associated with Topical Nitrogen Mustard Therapy," *J Am Acad Dermatol*, 36, 1997, pp. 112–114.

Newman-Taylor AJ, and Morris AJ, "Experience with Mustard Gas Casualties," letter, *Lancet*, 337, 1991, pp. 242.

Newmark J, and Clayton WL, "Persian Gulf War Illness: Preliminary Neurological Impressions," *Mil Med*, 160, 1995, pp. 505–507.

Nieminen SA, Lecklin A, Heikkinen O, and Ylitalo P, "Acute Behavioral Effects of the Organophosphates Sarin and Soman in Rats," *Pharmacol Toxicol*, 67, 1990, pp. 36–40.

Nigam SK, Ghosh SK, and Malaviya R, "Aflatoxin, Its Metabolism and Carcinogenesis—A Historical Review," *J Toxicol Toxin Rev*, 13, 1994, pp. 179–203.

NIH—see National Institutes of Health.

Nohara M, and Segawa K, "Ocular Symptoms Due to Organophosphorus Gas (Sarin) Poisoning in Matsumoto," *Br J Ophthalmol*, 80, 1996, p. 1023.

- Nolan RJ, Rick DL, Freshour NL, and Saudners JH, "Chlorpyrifos: Pharmacokinetics in Human Volunteers," *Toxicol Appl Pharmacol*, 73, 1984, pp. 8–15.
- Noort D, Fidder A, Van der Schans GP, et al., "Dosimetry of Exposure to Sulfur Mustard: Immunochemical and Mass Spectrometric Detection of Sulfur Mustard Adducts to DNA and Proteins," in King JM, ed., *1996 Medical Defense Bioscience Review, Proceedings*, Vol. II, Columbia, Md.: Johns Hopkins University, May 12–16, 1996.
- Nordberg A and Svensson AL, "Cholinesterase Inhibitors in the Treatment of Alzheimer's Disease: A Comparison of Tolerability and Pharmacology," *Drug Safety*, 6, 1998, pp. 465–480.
- North Atlantic Treaty Organization, *NATO Handbook on the Medical Aspects of NBC Defensive Operations*, Part III, *Chemical*, Washington, D.C.: Departments of the Army, the Navy, and the Air Force, August 1973.
- Northup SW, McKenzie W, Thurston R, Hess R, and Kilburn K, Aflatoxin "Effects on Airway Cells in Rodents," abstract, *Fed Proc*, 34, 1995, p. 839.
- Nozaki H, and Aikawa N, "Sarin Poisoning in Tokyo Subway," *Lancet*, 345, 1995, pp. 1446–1447.
- Nozaki H, Aikawa N, Fujishima S, et al., "A Case of VX Poisoning and the Difference from Sarin," *Lancet*, 346, 1995, pp. 698–699.
- Nukajima T, Sato S, Morita H, and Yanagisawa N, *Sarin Poisoning of a Rescue Team in Tao Matsumoto Sarin Incident in Japan*, Los Angeles: Biomedical Library of the University of California at Los Angeles, May 7, 1997.
- Oberst FW, Crook JW, Christensen MK, Cresthull P, Koon WS, and Freeman G, *Inhaled GB Retention Studies in Man at Rest and During Activity*, Army Chemical Center, Md.: Chemical Corps Research and Development Command, DTIC AD226805, 1959.
- Oberst FW, Koon WS, Christensen MK, Crook JW, Cresthull P, and Freeman G, "Retention of Inhaled Sarin Vapor and Its Effect on Red Blood Cell Cholinesterase Activity in Man," *Clin Pharm Ther*, 9, 1968, pp. 421–427.
- Office of the Special Assistant for Gulf War Illnesses, Chemical Warfare Experience in Iran/Iraq War: Iranian Experience (last accessed February 15, 2000 at http://www.gulflink.osd.mil/declassdocs/dia/19970129/123096_8061115_mic_0001.html) undated a.
- _____, CW Use in Iran-Iraq War (last accessed February 15, 2000 at http://www.gulflink.osd.mil/declassdocs/cia/19960702/070296_cia_72566_72566_01.html), undated b.
- _____, Czech CW Report: Intelligence Assessment of Chemical and Biological Warfare in the Gulf (last accessed February 15, 2000 at <http://>

- www.gulflink.osd.mil/declassdocs/dia/19950925/950925_0401pgf_93.html), undated c.
- _____, Factors That Affect the Use of Toxic Chemical Agents (last accessed February 15, 2000 at http://www.gulflink.osd.mil/declassdocs/dia/19950825/950825_22tr3340_143.html), undated d.
- _____, Study on IZ Abilities to Conduct Chemical Warfare (last accessed February 15, 2000 at http://www.gulflink.osd.mil/declassdocs/dia/19961031/961031_950825_0150pgv_91d.html), undated e.
- _____, Chemical Mines [Iraq] (last accessed February 22, 2000 at http://www.gulflink.osd.mil/declassdocs/dia/19970613/970613_23400458_91d_txt_0001.html), undated f.
- _____, Armed Forces Medical Intelligence Center Special Weekly Wire 32-90(A) (last accessed February 15, 2000 at http://www.gulflink.osd.mil/declassdocs/dia/19970613/970613_ww32_90a_90_txt_0001.html), 1990.
- _____, Information Paper: Chemical Agent Exposure Operation Desert Storm (last accessed February 15, 2000 at http://www.gulflink.osd.mil/declassdocs/army/19970908/970815_sep96_decls32_0001.html), September 1996.
- _____, Case Narrative: U.S. Demolition Operations at Khamisiyah Ammunition Storage Point (last accessed February 15, 2000 at <http://www.gulflink.osd.mil/khamisiyah>), April 14, 1997a.
- _____, Case Narrative: U.S. Marine Corps Minefield Breaching (last accessed February 15, 2000 at <http://www.gulflink.osd.mil/marine>), July 29, 1997b.
- _____, Information Paper: The FOX/NBC Reconnaissance Vehicle (last accessed February 15, 2000 at <http://www.gulflink.osd.mil/foxnbc>), July 29, 1997c.
- _____, Case Narrative: Reported Mustard Agent Exposure: Operation Desert Storm (last accessed February 15, 2000 at <http://www.gulflink.osd.mil/fisher>), August 27, 1997d.
- _____, Case Narrative: Fox Detections in an ASP/Orchard (last accessed February 15, 2000 at <http://www.gulflink.osd.mil/asporchard>), September 23, 1997e.
- _____, Information Paper: M8A1 Automatic Chemical Agent Alarm (last accessed February 15, 2000 at <http://www.gulflink.osd.mil/m8a1alarms>), October 30, 1997f.
- _____, Case Narrative: Kuwaiti Girls' School (last accessed February 15, 2000 at http://www.gulflink.osd.mil/kuwaiti_school/), March 19, 1998a.

_____, Case Narrative: Czech and French Reports of Possible Chemical Agent Detections (last accessed February 15, 2000 at http://www.gulflink.osd.mil/czech_french), July 29, 1998b.

_____, Case Narrative: An Nasiriyah Southwest Ammunition Storage Point: Final Report (last accessed February 19, 2000 at http://www.gulflink.osd.mil/an_nasiriyah_ii/), January 10, 2000.

_____, personal communication on detector alarms, 1999.

Office of Scientific Research and Development, *Chemical Warfare Agents and Related Chemical Problems*, Parts I-II, Washington, D.C.: Office of Scientific Research and Development, National Defense Research Committee, 1946.

Ohtomi S, Takase M, and Kumagai F, Sarin poisoning in Japan, "A Clinical experience in Japan Self Defense Force (JSDF) Central Hospital," *Revue Internationale des Services de Sante des Forces Armées*, 69, 1996, pp. 97–102.

Oken BS, and Chiappa KH, "Statistical Issues Concerning Computerized Analysis of Brainwave Topography," *Ann Neurol*, 19, 1986, pp. 493–497.

Okumura T, Takasu N, Ishimatsu S, et al., "Report on 640 Victims of the Tokyo Subway Sarin Attack," *Ann Emer Med*, 28, 1996, pp. 129–135.

Olajos EJ, DeCaprio AF, and Rosenblum I, "Central and Peripheral Neurotoxic Esterase Activity and Dose-Response Relationship in Adult Hens After Acute and Chronic Administration of Diisopropylfluorophosphate," *Ecotoxicol Environ Saf*, 3–4, 1978, pp. 383–399.

Olney JW, *Cholinergic Neurotoxicity: Mechanisms and Prevention*, St. Louis, MO: Washington University School of Medicine, 1990.

O'Neill JJ, "Non-Cholinesterase Effects of Anticholinesterases," *Fund Appl Toxicol*, 1, 1981, pp. 154–160.

OSRD—see Office of Scientific Research and Development.

OSAGWI—see Office of the Special Assistant on Gulf War Illnesses.

Otto S, *The Ocular Action of Dichlorethyl Sulfide (Mustard Gas) in Man, as Seen at Edgewood Arsenal, Edgewood, Maryland*, DTIC AD495 508, 1946.

PAC—see Presidential Advisory Committee on Gulf War Illnesses.

Pace JG, Watts MR, Burrows EP, et al., Fate and Distribution of 3H-Labeled T-2 Mycotoxin in Guinea Pigs, *Toxicol Appl Pharmacol*, 80, 1985, pp. 377–385.

Pant SC, Vijayaraghavan R, and Das Gupta S, "Sarin Induced Lung Pathology and Protection by Standard Therapy Regime," *Biomed Environ Sci*, 6, 1993, pp. 103–111.

- Paparello SF, Bourgeois AL, Garst P, and Hyams KC, "Diarrheal and Respiratory Disease Aboard the Hospital Ship USNS Mech T-AH 19 During Operation Desert Shield," *Mil Med*, 158, 1993, pp. 392–395.
- Papirmeister B, Feister AJ, Robinson SI, and Ford RD, *Medical Defense Against Mustard Gas: Toxic Mechanisms and Pharmacological Implications*, Boca Raton, FL: CRC Press, 1991, pp. 13–42.
- Papirmeister B, Gross CL, Meier HL, Petrali JP, and Johnson JB, "Molecular Basis for Mustard-Induced Vesication," *Fund Appl Toxicol*, 5, 1985, pp. S134–49.
- Pasternack MS, and Eisen HN, "A Novel Serine Esterase Expressed by Cytotoxic t-Lymphocytes," *Nature*, 314, 1985, pp. 743–745.
- Patronas P, Horowitz M, Simon E, and Gerstberger R, "Differential Stimulation of c-fos Expression in Hypothalamic Nuclei of the Rat Brain During Short-Term Heat Acclimation and Mild Dehydration," *Brain Res*, 798 (1–2), July 6, 1998, pp. 127–139.
- Pauser G, Aloy A, Carvana M, et al., "Lethal Intoxication by War Gases on Iranian Soldiers, Therapeutic Interventions on Survivors of Mustard Gas and Mycotoxin Immersion," in Heyndrickx (1984), pp. 341–351.
- Pazdernik TL, Churchill L, Nelson SR, and Samson FE, "Muscarinic Receptor Maps Reveal Selective Brain Damage in Soman-Exposed Rats; Diazepam Prevents This Selective Damage," *Proceedings of the Fifth Medical Chemical Defense Bioscience Review*, Aberdeen Proving Ground, Md.: U.S. Army Medical Research Institute of Chemical Defense, August 1986.
- Pazdernik TL, Nelson SR, Cross R, and Samson FE, "Chemical-Induced Seizures: Free Radicals as a Final Common Pathway," abstract, Baltimore, Md.: *Medical Defense Bioscience Review*, 1996.
- PDR—*Physician's Desk Reference*; see Medical Economics Company.
- Pechura CM, and Rall DP, eds., *Veterans at Risk: The Health Effects of Mustard Gas and Lewisite*, Washington, D.C.: National Academy Press, 1993.
- Penman AD, Tarver RS, and Currier MM, "No Evidence of Increase in Birth Defects and Health Problems Among Children Born to Persian Gulf War Veterans in Mississippi," *Mil Med*, 161, 1996, pp. 1–6.
- Peoples RW, Spratto GR, Akbar WJ, and Fletcher HP, "Effect of Repeated Administration of Soman on Selected Endocrine Parameters and Blood Glucose in Rats," *Fund Appl Toxicol*, 11, 1988, pp. 587–593.
- Perrotta DM, *Long-Term Health Effects Associated with Sub-Clinical Exposures to GB and Mustard*, Washington, D.C.: Environment Committee Armed Forces Epidemiological Board, 1996.

- Petrali JP, Maxwell DM, Lenz DE, and Mills KR, "A Study on the Effects of Soman on the Rat Blood-Brain Barrier," *Fourth Annual Chemical Defense Bioscience Review*, Aberdeen Proving Ground, Md.: U.S. Army Medical Research Institute of Chemical Defense, 1984.
- Petras JM, "Brain Pathology Induced By Organophosphate Poisoning with the Nerve Agent Soman," *Fourth Annual Chemical Defense Bioscience Review*, Aberdeen Proving Ground, Md.: U.S. Army Medical Research Institute of Chemical Defense, 1984, pp. 407–412.
- Pfeifer R, and Irons R, "Mechanisms of Sulfhydryl Dependent Immunotoxicity," in Dean JH, et al., eds., *Immunotoxicology and Immunopharmacology*, New York: Raven Press, 1985, pp. 255–262.
- Pierce PF, "Physical and Emotional Health of Gulf War Veteran Women," *Aviat Space Environ Med*, 68, 1997, pp. 317–321.
- Polhuijs M, Langenberg JP, and Benschop HP, "New Method for Retrospective Detection of Exposure to Organophosphate Organophosphorous Anticholinesterases: Application to Alleged Sarin Victims of Japanese Terrorists," *Toxicology and Applied Pharmacology*, 146 (1), 1997, pp. 156–161.
- Pongrac JL, and Rylett RJ, "Molecular Mechanisms Regulating NGF-Mediated Enhancement of Cholinergic Neuronal Phenotype: c-Fos Trans-Activation of the Choline Acetyltransferase Gene," *J Mol Neurosci*, 11 (1), 1998, pp. 79–83.
- Pope CN, and Padilla S, "Potentiation of Organophosphorous-Induced Delayed Neurotoxicity by Phenylmethylsulfonyl Fluoride," *J Toxicol Environ Health*, 31, 1990, pp. 261–273.
- Pour-Jafari H, "Secondary Sex Ratios in Progenies of Iranian Chemical Victims," *Vet Hum Toxicol*, 36, 1994, pp. 475–76.
- Pour-Jafari H, and Moushtaghi AA, "Alterations of Libido in Gassed Iranian Men," *Vet Hum Toxicol*, 34, 1992, p. 547.
- Prendergast MA, Terry AV, Jr., and Buccafusco JJ, "Chronic, Low-Level Exposure to Diisopropylfluorophosphate Causes Protracted Impairment of Spatial Navigation Learning," *Psychopharmacology (Berl)*, 129 (2), January 1997, pp. 183–191.
- _____, "Effects of Chronic, Low-Level Organophosphate Exposure on Delayed Recall, Discrimination, and Spatial Learning in Monkeys and Rats," *Neurotoxicol Teratol*, 20 (2), March–April 1998, pp. 115–122.
- Presidential Advisory Committee on Gulf War Veterans' Illnesses, *Special Report*, Washington, D.C.: U.S. Government Printing Office, October 1997.
- _____, *Interim Report*, Washington, D.C.: U.S. Government Printing Office, February 1996a.

- _____, *Final Report*, Washington, D.C.: U.S. Government Printing Office, December 1996b.
- Prioux-Guyonneau M, Coudray-Lucas C, Coq HM, Cohen Y, and Wepierre J, "Modification of Rat Brain 5-hydroxytryptamine Metabolism by Sublethal Doses of Organophosphate Agents," *Acta Pharmacol et Toxicol*, 51, 1982, pp. 278–284.
- Proctor NH and Hughes JP, *Chemical Hazards of the Workplace*, Philadelphia, J.B. Lippincott Company, 1978.
- Pshenichnova AA, "Effects of Cholinesterase Inhibitors on Vascular Permeability in Rabbit Eye," abstract, trans. from Russian, *Leningrad Fiziologicheskii Zhurnal SSR*, 81, 1985, p. 63.
- Quin NE, "The Impact of Diseases on Military Operations in the Persian Gulf," *Mil Med*, 147, 1982, pp. 728–734.
- Rachman IM, Unnerstall JR, Pfaff DW, and Cohen RS, "Estrogen Alters Behavior and Forebrain C-fos Expression in Ovariectomized Rats Subjected to the Forced Swim Test," *Proc Natl Acad Sci USA*, 95 (23), November 10, 1998, pp. 13941–13946.
- Raisuddin S, Singh KP, Zaidi SI, Paul BN, and Ray PK, "Immunosuppressive Effects of Aflatoxin in Growing Rats," *Mycopathologia*, 124, 1993, pp. 189–194.
- Rajendran MP, Sundararajan S, Chennakesavalu M, Charles YS, Sundararaj A, Clinicopathology of Aflatoxin Toxicity in Cattle, *Indian Vet J*, 69 (2), 1992, pp. 115–117.
- Rall DP, and Pechura CM, "Effects on Health of Mustard Gas," *Nature*, 366, 1993, pp. 398–399.
- Raskova, H, ed., *Pharmacology and Toxicology of Naturally Occurring Toxins*, Vols. I and II, London: Pergamon Press, 1971.
- Rebentisch E, and Dinkloh H, *Wehrmedizin: Ein kurzes Handbuch mit Beitr. Zur Katastrophenmedizin*, [Military Medicine: A Short Handbook with Articles About Emergency Medicine], München, Wien, Baltimore: Urban and Schwarzenberg, 1980.
- Rengstorff RH, "Vision and Ocular Changes Following Accidental Exposure to Organophosphates," *J Appl Toxicol*, 14, 1994, pp. 115–118.
- Requena L, Requena C, Sanchez M, et al., "Chemical Warfare, Cutaneous Lesions from Mustard Gas," *J Am Acad Dermatol*, 19, 1988, pp. 529–536.
- "Researcher Claims Iraq Fired Chemical Weapons During Gulf War," *Army Times*, 1997, p. 18.

- Richard JL, and Thurston JR, "Effect of Aflatoxin on Phagocytosis of *Aspergillus Fumigatus* Spores by Rabbit Alveolar Macrophages," *Appl Microbiol*, 30, 1975, pp. 44–47.
- Richter ED, Rosenvald Z, Kasp L, Levy S, and Gruener N, "Sequential Cholinesterase Tests and Symptoms for Monitoring Organophosphate Absorption in Field Workers and in Persons Exposed to Pesticide Spray Drift," *Toxicol Lett*, 33, 1986, pp. 25–35.
- Rickett DL, "Soman Produced Respiratory Arrest: Differentiation of Brain Stem and Neuromuscular Actions," abstract, USAMRDC Chemical Progress Review, Ft. Detrick, Md., June 8–9, 1981.
- Riegle DW, Jr., and D'Amato AM, *U.S. Chemical and Biological Warfare-Related Dual Use Exports to Iraq and Their Possible Impact on the Health Consequences of the Persian Gulf War*, Washington, D.C.: U.S. Senate, 1994.
- Rocha L, and Kaufman DL, "In Vivo Administration of c-Fos Antisense Oligonucleotides Accelerates Amygdala Kindling," *Neurosci Lett*, 241 (2–3), January 30, 1998, pp. 111–114.
- Rodnitzky RL, "Occupational Exposure to Organophosphate Pesticides: A Neurobehavioral Study," *Arch Environ Health*, 30 (2), February 1975, pp. 98–103.
- Root WS, and Hofmann FG, eds., *Physiological Pharmacology, A Comprehensive Treatise*, New York: Academic Press, 1967.
- Rosen RT, and Rosen JD, "Presence of Four *Fusarium* Mycotoxins and Synthetic Material in Yellow Rain, Evidence for the Use of Chemical Weapons in Laos," *Biomed Mass Spectrom*, 9, 1982, pp. 443–450.
- Rosenstock L, Keifer M, Daniell I, McConnell R, and Claypoole K, "Chronic Central Nervous System Effects of Acute Organophosphate Pesticide Intoxication," The Pesticide Health Effects Study Group, *Lancet*, 338, July 27, 1991, pp. 223–227.
- Ross RK, Yuan J, Yu MC, et al., "Urinary Aflatoxin Biomarkers and Risk of Hepatocellular Carcinoma," *Lancet*, 339, 1992, pp. 943–946.
- Rubin L, and Goldberg M, "Effect of Sarin on Dark Adaptation in Man: Threshold Changes," *J Appl Physiol*, 2, 1957b, pp. 439–444.
- Rubin LS, and Goldberg MN, The Effect of GB on Dark Adaptation in Man: "The Effect of Tertiary and Quaternary Atropine Salts on Absolute Scotopic Threshold Changes Engendered by GB," DTIC AD139052, 1957a.
- Rubin LS, Krop S, and Goldberg MN, "Effect of Sarin on Dark Adaptation in Man: Mechanism of Action," *J Appl Physiol*, 11, 1957, pp. 445–449.

- Rukmini C, Prasad JS, and Rao K, "Effects of Feeding T-2 Toxin to Rats and Monkeys," *Food Cosmet Toxicol*, 18, 1980, pp. 267-269.
- Russell RW, Booth RA, Lauretz SD, Smith CA, and Jenden DJ, "Behavioral, Neurochemical and Physiological Effects of Repeated Exposures to Subsymptomatic Levels of the Anticholinesterase, Soman," *Neurobehav Toxicol Teratol*, 8 (6), November-December 1986, pp. 675-685.
- Russell RW, Overstreet DH, Cotman CW, Carson VG, Churchill L, Dalglish FW, and Vasques BJ, "Experimental Tests of Hypotheses About Neurochemical Mechanisms Underlying Behavioral Tolerance to the Anticholinesterase, Diisopropyl Fluorophosphate," *J Pharm Exp Ther*, 192, 1975, pp. 73-85.
- "Russia Dodges Chemical Arms Ban: New Nerve Agent Hard to Uncover," *Washington Times*, February 4, 1997.
- Rutman RJ, "Binary Chemical Weapons: Details, Difficulties, and Dangers," in American Chemical Society, Committee on Chemistry and Public Affairs, *Binary Weapons and the Problem of Chemical Disarmament*, Washington, D.C.: American Chemical Society, 1976, pp. 1-7.
- Sack D, Linz D, Shukla R, et al., "Health Status of Pesticide Applicators: Postural Stability Assessments," *J Occup Med*, 35, 1993, pp. 1196-1202.
- Saidkarimov SK, Khalikov TR, Vaysbrot VV, and Tadzhiyev BA, "Modeling Disseminated Myocardial Necroses by Organophosphorous Pesticide Basudin," abstract, trans. from Russian, *Tashkent Meditsinskiy Zhurnal Uzbekistana*, 12, 1985, pp. 73-75.
- Sajan MP, Satav JG, et al., Activity of Some Respiratory Enzymes and Cytochrome Contents in Rat Hepatic Mitochondria Following Aflatoxin B1 Administration, *Toxicol Lett*, 80, 1995, pp. 55-60.
- Sanches ML, Russell CR, and Randolph CL, *Chemical Weapons Convention (CWC) Signatures Analysis: Technical Analysis*, Alexandria, Va.: Defense Nuclear Agency, B171-788, 1993.
- Sanchez-Yus E, and Suarez ME, "Uritacria de Contacto y Reaccion Anifilactoide Inducidas por Aplicacion Topica de Mostaza Nirogenada," *Actas Derm Sif*, 68, 1977, pp. 39-44.
- Sandvig K, and Van Deurs B, "Endocytosis Intracellular Transport and Cytotoxic Action of Shiga Toxin and Ricin," *Physiol Rev*, 76, 1996, pp. 949-966.
- Sasser LB, Cushing JA, Mellick PW, Kalkwarf DR, and Dacre JC, "Subchronic Toxicity Evaluation of Lewisite in Rats," *J Toxicol Environ Health*, 47, 1996, pp. 321-334.
- Sastry BVR, and Sadavongvivad C, "Cholinergic Systems in Non-Nervous Tissues," *Pharm Rev*, 30, 1979, pp. 65-132.

- Savage EP, Keefe TJ, Mounce LM, Heaton RK, Lewis JA, and Burcar PJ, "Chronic Neurological Sequelae of Acute Organophosphate Pesticide Poisoning," *Arch Environ Health*, 43, 1988, pp. 38–45.
- Savage EP, Keefe TJ, Mounce LM, Lewis JA, Heaton RK, and Parks LH, *Chronic Neurological Sequelae of Acute Organophosphate Pesticide Poisoning: An Epidemiologic Study*, Boulder, Co.: U.S. Environmental Protection Agency, PB86-17982, 1982.
- Schafer DF, and Sorrell MF, "Power Failure, Liver Failure," *New Engl J Med*, 336, 1997, pp. 1173–1174.
- Schiefer HB, "Systemic Effects of Topical Application of Trichothecenes in Rodents," *First World Congress: New Compounds in Biological Warfare: Toxicological Evaluation, Proceedings*, Ghent, Belgium: State University of Ghent and National Science Foundation, 1984.
- Schiefer HB, and Hancock DS, "Systemic Effects of Topical Application of T-2 Toxin in Mice," *Toxicol Appl Pharmacol*, 76, 1984, pp. 464–472.
- Schnurr PP, Friedman MJ, and Green BL, "Post-Traumatic Stress Disorder Among World War II Mustard Gas Test Participants," *Mil Med*, 161, 1996, pp. 131–160.
- Schreiber SS, Tocco G, Shors TJ, and Thompson RF, "Activation of Immediate Early Genes After Acute Stress," *Neuroreport*, 2 (1), January 1991, pp. 17–20.
- Schultz GP, *Chemical Warfare in Southeast Asia and Afghanistan: An Update*, Washington, D.C.: U.S. Department of State, 1982.
- Schwab BW, Costa LG, and Murphy SD, "Muscarinic Receptor Alterations as a Mechanism of Anticholinesterase Tolerance," *Toxicol Appl Pharmacol*, 71, October 1983, pp. 14–23.
- Schwab BW, Hand H, Costa LG, and Murphy SD, "Reduced Muscarinic Receptor Binding in Tissues of Rats Tolerant to the Insecticide Disulfoton," *Neurotoxicology*, 2 (4), December 1981, pp. 635–647.
- Schwab BW, and Murphy SD, "Induction of Anticholinesterase Tolerance in Rats with Doses of Disulfoton that Produce No Cholinergic Signs," *J Toxicol Environ Health*, 8, 1981, pp. 199–204.
- Schwartz WJ, "Understanding Circadian Clocks: From c-Fos to Fly Balls," *Neurological Progress*, 41 (3), 1997, pp. 289–297.
- Scremin OU, and Jenden DJ, "Cholinergic Control of Cerebral Flow in Stroke, Trauma, and Aging," *Life Sci*, 58, 1996, pp. 2011–2018.

- Scremin OU, Shih TM, and Corcoran KD, "Cerebral Blood Flow-Metabolism Coupling After Administration of Soman at Non-Toxic Levels," *Brain Res Bull*, 26, 1991, pp. 353–356.
- Seagrave S, *Yellow Rain: A Journey Through the Terror of Chemical Warfare*, New York: M. Evans and Company, Inc., 1981.
- Seed JC, "An Accident Involving Vapor Exposure to a Nerve Gas," DTIC Quarterly Report No. 2, 1950, DTIC AD144023, 1952.
- Segal R, Milo I, Joffe A, and Yogen B, "Tricothecene Induced Hemolysis," *Toxicology and Applied Pharmacology*, 70, 1983, p. 343.
- Senanayake N, and Karalliedde L, "Neurotoxic Effects of Organophosphorous Insecticide, An Intermediate Syndrome," *New Engl J Med*, 316, 1987, pp. 761–763.
- Senate—*See* U.S. Senate.
- Serova LI, Saez E, Spiegelman BM, and Sabban EL, "c-Fos Deficiency Inhibits Induction of mRNA for Some, but Not All, Neurotransmitter Biosynthetic Enzymes by Immobilization Stress," *J Neurochem*, 70v(5), May 1998, pp. 1935–1940.
- Sharabi Y, Danon YL, Berkenstadt H, Almog S, Mimouni-Bloch A, Zisman A, Dani S, and Atsmon J, "Survey of Symptoms Following Intake of PB During the Persian Gulf War," *Isr J Med Sci*, 27, Nos. 11–12, November–December 1991, pp. 656–658.
- Sharma HS, Cervos-Navarro J, and Dey PK, "Increased Blood-Brain Barrier Permeability Following Short-Term Swimming Exercise in Conscious Normotensive Young Rats," *Neurosci Res*, 10, 1991, pp. 211–221.
- Shays C, Statement of Rep. Christopher Shays, Washington, D.C.: U.S. Congress House of Representatives, Committee on Government Reform and Oversight, Subcommittee on Human Resources, 1997.
- Shen HM, Shi CY, Lee HP, and Ong CN, "Aflatoxin B-1 Induced Lipid Peroxidation in Rat Liver," *Toxicol Appl Pharmacol*, 127 (1), 1994, pp. 145–150.
- Shih ML, McMonagle JD, Dolzine TW, and Gresham VC, "Metabolite Pharmacokinetics of Soman, Sarin and GF in Rats and Biological Monitoring of Exposure to Toxic Organophosphorus Agents," *J Appl Toxicol*, 14, 1994, pp. 195–199.
- Shih TM, Penetar DM, McDonough JH Jr. et al., "Age-Related Differences in Soman Toxicity and in Blood and Brain Regional Cholinesterase Activity," *Brain Res Bull*, 24, 1990, pp. 429–436.

- Shipley MT, Nickell WT, Drake RL, and Frydel B, "Long-Term Reduction of AChE in Cortical Cholinergic Target Sites After a Single Soman Challenge," abstract, Proceedings of the Fifth Annual Chemical Defense Bioscience Review, Aberdeen Proving Ground, Md.: U.S. Army Medical Research, Institute of Chemical Defense, 1985.
- Sidell FR, *Human Responses to Intravenous VX*, Edgewood, Md.: U.S. Army Medical Research Institute of Chemical Defense, DTIC AD811991, 1967.
- _____, *Sarin and Soman: Observations on Accidental Exposures*, DTIC AD769737, 1973.
- _____, "Soman and Sarin Clinical Manifestations and Treatment of Accidental Poisoning by Organophosphates," *Clin Toxicol*, 7, 1974, pp. 1–17.
- _____, "Nerve Agents," in Sidell, Takafuji, and Franz (1997), pp. 129–179.
- Sidell FR, and Groff WA, "The Reactivability of Cholinesterase Inhibition by VX and Sarin in Man," *Toxicol Appl Pharmacol*, 74, 1974, pp. 241–252.
- Sidell FR, and Hurst CG, "Long-Term Health Effects of Nerve Agents and Mustard," in Sidell, Takafuji, and Franz (1997), pp. 229–246.
- Sidell FR, Takafuji ET, and Franz DR, eds., *Textbook of Military Medicine, Part I: Warfare, Weaponry, and the Casualty*, Vol. 3.: *Medical Aspects of Chemical and Biological Warfare*, Washington, D.C.: Borden Institute, Walter Reed Medical Center, 1997.
- Sidell, F.R., Urbanetti, J.S., Smith, W.J., Hurst, C.G., "Vesicants," in Sidell, Takafuji, and Franz (1997).
- Sim VM, *Effect on Pupil Size of Exposure to GB Vapour*, Porton Down: Chemical Defence Establishment, U.K. Ministry of Defence, 1956.
- _____, *Variability of Different Intact Human Skin Sites to the Penetration of VX*, Edgewood, Md.: CRDLC, Department of Defense, DTIC AD271163, 1962.
- Sim VM, Duffy FH, Burchfiel JL, and Gaon MD, *Nerve Agents and Pesticides: Value of Computer Analysis of Electroencephalograms in the Diagnosis of Exposure to Organophosphates and Chlorinated Hydrocarbons*, Edgewood Arsenal, Md., DTIC AD785679, 1971.
- Sim VM, McClure C, Vocci FJ, Feinsilver L, and Groff WA, *Tolerance of Man to VX Contaminated Water*, Army Chemical Center, Edgewood, Md.: CRDLC, Department of Defense, DTIC AD449722, 1964.
- Simpson JC, Roberts LM, and Lord JM, "Free Ricin, A Chain Reaches an Early Compartment of the Secretory Pathway Before It Enters the Cytosol," *Exp Cell Res*, 229, 1996, pp. 447–451.

- Singer AW, Jaax NK, and McLeod CG, "Cardiomyopathy in Soman and Sarin Intoxicated Rats," *Toxicol Lett*, 36, 1987, pp. 243–249.
- SIPRI—see Stockholm International Peace Research Institute.
- Sirkka U, Nieminen SA, and Ylitalo P, "Neurobehavioral Toxicity with Low-Doses of Sarin and Soman," *Meth Find Exp Clin Pharmacol*, 12, 1990, pp. 245–250.
- Smart JK, History of "Chemical and Biological Warfare: An American Perspective," in Sidell, Takafuji, Franz (1997), pp. 9–86.
- Smith KJ, Hurst CG, Moeller RB, Skelton HG, and Sidell FR, Sulfur "Mustard: Its Continuing Threat as a Chemical Warfare Agent, the Cutaneous Lesions Induced, Progress in Understanding Its Mechanism of Action, Its Long-Term Health Effects, and New Developments for Protection and Therapy," *J Am Acad Derm*, 32, 1995, pp. 765–766.
- Smith TC, Gray GC, and Knoke JD, "Post-War Non-Federal Hospitalization Experience of U.S. Veterans of the Persian Gulf War," *Conference on Federally Sponsored Gulf War Veterans' Illnesses Research, Conference Proceedings*, June 17–19, 1998, p. 48.
- Smith WJ, and Dunn MA, "Medical Defense Against Blistering Chemical Warfare Agents," *Arch Dermatol*, 127, 1991, pp. 1207–1213.
- Smoragiewicz W, Cossette B, Boutard A, and Krzystyniak K, "Trichothecene Mycotoxins in the Dust of Ventilation Systems in Office Buildings," *Int Arch Occup Environ Health*, 65, 1993, pp. 113–117.
- Snider TH, Wientjes MG, Joiner RL, and Fisher GL, "Arsenic Distribution in Rabbits After Lewisite Administration and Treatment with British Anti-Lewisite (BAL)," *Fundam Appl Toxicol*, 14, 1990, pp. 262–272.
- Sohrabpour H, "Clinical Manifestations of Chemical Agents on Iranian Combatants During Iran-Iraq Conflict," in Heyndrickx (1984), pp. 291–297.
- Solberg VB, Broski FH, Dinterman RE, and George DT, "Penetration of Tritiated T-2 Mycotoxin Through Abraded and Intact Skin and Methods to Decontaminate Tritiated T-2 Mycotoxin from Abrasions," *Toxicol*, 28, 1990, pp. 803–812.
- Somani SM, *Chemical Warfare Agents*, New York: Academic Press, Inc., 1992.
- _____, *Gulf War Syndrome: Potential Effects of Low-Level Exposure to Sarin and/or PB Under Conditions of Physical Stress*, Hearing Before the Subcommittee on Human Resources, Committee on Government Reform and Oversight, U.S. House of Representatives, 1997.

- Sparks PJ, Daniell W, Black DW, et al., "Multiple Chemical Sensitivity Syndrome: A Clinical Perspective, I. Case Definition, Theories of Pathogenesis, and Research Needs," *J Occup Med*, 36, 1994, pp. 718–730.
- Specter A, chairman, Committee on Veterans' Affairs, U.S. Senate, 105th Congress, *Report of the Special Investigation Unit on Gulf War Illnesses*, Washington, D.C.: U.S. Government Printing Office, 1998.
- Spektor DM, *A Review of the Scientific Literature As It Pertains to Gulf War illnesses*, Vol. 6: *Oil Well Fires*, Santa Monica, Calif.: RAND, MR-1018/6-OSD, 1998.
- Speigleberg U, "Psychopathological and Neurological Aftereffects and Permanent Damage from Industrial Intoxication by Phosphoric Acid Esters (Alkyl Phosphates)," *Proceedings of the 14th International Congress of Occupational Health*, Madrid, Spain 1963.
- Stabile DE, *The Effect of Modified Steroid Levels on GD and GB Toxicity*, Edgewood Arsenal, Md.: Department of the Army, Research Laboratories, Edgewood Arsenal Technical Memorandum 112-7, 1967.
- Stade K, Pharmacology and Clinical Aspects of Synthetic Poisons, AD477552, 1964. Stahl CJ, Green CC, and Farnum JB, "The Incident at Tuol Chrey: Pathologic and Toxicologic Examinations of a Casualty After Chemical Attack," *J Foren Sci*, 30, 1985, pp. 317–337.
- Steenland K, Jenkins B, Ames RG, O'Malley M, Chrislip D, and Russo J, "Chronic Neurological Sequelae to Organophosphate Pesticide Poisoning," *Am J Public Health*, 84 (5), May 1994, pp. 731–736.
- Stephens R, Spurgeon A, and Berry H, "Organophosphates: The Relationship Between Chronic and Acute Exposure Effects," *Neurotoxicol Teratol*, 18, 1996, pp. 449–453.
- Steyn PS, "Mycotoxins, General View, Chemistry and Structure," *Toxicol Lett*, 82–83, 1995, pp. 843–845.
- Stockholm International Peace Research Institute, *The Problem of Chemical and Biological Warfare*, 1: *The Rise of CB Weapons*, Stockholm: Almqvist and Wiksell, 1971.
- _____, *The Problem of Chemical and Biological Warfare*, 2: *CB Weapons Today*, Stockholm: Almqvist and Wiksell, 1973.
- _____, *Medical Protection Against Chemical Warfare Agents*, Stockholm: Almqvist and Wiksell, 1976.
- _____, *Chemical Weapons: Destruction and Conversion*, London: Taylor & Francis, Ltd., 1980.

- Stremmel D, *Present Day Status of Research on Organophosphate Antidotes*, DTIC ADB013082, 1972.
- Stretch PH, Bliese PD, Marlow DH, Wright KM, Knudson KH, and Hoover CH, "Physical Health Symptomatology of Gulf War-Era Service Personnel from the States of Pennsylvania and Hawaii," *Mil Med*, 1995, 160, pp. 131–136.
- Suzuki T, Morita H, Ono K, et al., "Sarin Poisoning in Tokyo Subway," (1), *Lancet*, 345, 1995, pp. 980–981.
- Taher AA, "Cleft Lip and Palate in Tehran," *Cleft Palate Craniofac J*, 29, 1992, pp. 15–16.
- Tabershaw IR, and Cooper WC, "Sequelae of Acute Organic Phosphate Poisoning," *J Occup Med*, 8, 1966, pp. 5–20.
- Taylor HL, and Orlansky J, "The Effects of Wearing Protective Chemical Warfare Combat Clothing on Human Performance," *Aviat Space Environ Med*, 63, 1993, pp. A1–A41.
- Taylor JE, El-Fakahony E, and Richelson E, "Long-Term Regulation of Muscarinic Acetylcholine Receptors on Cultured Nerve Cells," *Life Sci*, 25, 1979, pp. 2181–2187.
- Taylor RF, Phosgene Oxime, memorandum to W. Augerson, July 1983.
- Tchelingierian J, Le Saux F, Pouzet B, and Jacque C, "Widespread Neuronal Expression of c-Fos Throughout the Brain and Local Expression in Glia Following a Hippocampal Injury," *Neuroscience Letters*, 226, 1997, pp. 175–178.
- Teitlebaum A, and Goldman R, "Increased Energy Cost of Multiple Clothing Layers," *J Appl Physiol*, (32), 1972, pp. 743–744.
- Thigpen JT, Vaughn C, and Stuckey WJ, "Phase II Trial of Anguidine in Patients with Sarcomas Unresponsive to Prior Chemotherapy: A Southwest Oncology Group Study," *Cancer Treat Rep*, 65, 1981, pp. 881–882.
- Thompson AR, *Inhibition of Thrombin by Sarin*, DTIC AD695618, 1969.
- Thompson WL, and Wannemacher RW, Jr., "Detection and Quantification of T-2 Mycotoxin with a Simplified Protein Synthesis Inhibition Assay," *Appl Environ Microbiol*, 1984, pp. 1176–1180.
- Thurman JD, Creasia DA, Johnson AJ, "Adrenal Cortical Necrosis Caused by T-2 Mycotoxigenesis in Female, but Not Male, Mice," *Am J Vet Res*, 47, 1986, pp. 1122–1124.
- Tokuoka S, Hayashi Y, Inai K, et al., "Early Cancer and Related Lesions in the Bronchial Epithelium in Former Workers of Mustard Gas Factory," *Acta Pathol Jpn*, 36, 1986, pp. 533–542.

- Trask CH, Christensen MK, Cresthull P, Oberst FW, and McNamara BP, *An Estimation of the Per Cent Military Effectiveness of Soldiers with Various Degrees of Incapacitation from BG Vapor in Various Tactical Situations*, DTIC AD225136, 1959.
- Traub K, Bernier J, Olson K, Pindzola M, and Spencer L, "Autoradiography Shows Compartmental Distribution of 14-C (3, 3-dimethyl-2-butoxy)-methylphosphoryl fluoride (Soman) in the CNS of Rats," abstract, *Proceedings of the Fifth Annual Chemical Defense Bioscience Review*, Aberdeen Proving Ground, Md.: U.S. Army Medical Research Institute of Chemical Defense, 1985.
- Trusal, LR, "Stability of T-2 Mycotoxin in Aqueous Media," *Applied and Environmental Microbiology*, November 1985, pp. 1311–1312.
- Tsutsumi N, and Miyazaki K, "Enhancing Effect of Ethanol on Aflatoxin B1-Induced DNA Damage in Glutathione-Depleted Rat Hepatocytes," *Int J Oncol*, 4, 1994, pp. 123–127.
- Tucker, Johnathan, "Converting Former Soviet Chemical Warfare Plants," *Non-Proliferation Review*, 4, Fall 1996.
- Tuovinen K, Kaliste-Korhonen E, and Hanninen O, "Gender Differences in Activities of Mouse Esterase and Sensitivities to DFP and Sarin Toxicity," *General Pharmacology*, 29 (3), 1997, pp. 333–335.
- Tutelyan VA, and Kravchenko LV, *New Data on Metabolism and Action Mechanism of Mycotoxins*, Vestnik Akademii Meditsinskikh Nauk SSSR, trans. from Russian, 1981, pp. 88–89.
- Tyler-Smith MS, Gray GC, and Knoke JD, "The Postwar Non Federal Hospitalization Experience of U.S. Veterans of The Persian Gulf War," *Conference on Federally Sponsored Gulf War Veterans' Illnesses Research—Program and Abstract Book*, June 1998.
- Uhal HT, Soviet Chemical Warfare Agents Novichok and Substance 33: Were they Used During the Persian Gulf War? undated (last accessed March 8, 2000 at http://www.trillium.net/norenvironmental/novi_1.htm).
- Ueno Y, *Developments in Food Science 4, Trichothecenes—Chemical, Biological, and Toxicological Aspects*, Tokyo: Kodansha, Ltd., 1983.
- Ueno Y, "Toxicological Features of T-2 Toxins and Related Tricothecenes," *Fundamental and Applied Toxicology*, 4, 1984, pp. S124–S132.
- Ueno Y, Muto A, and Kobayashi J, Toxicological Properties of T-2 Toxin and Related Tricothecenes, in Heyndrickx (1984), pp. 160–172.

- Umeuchi H, Kikuchi C, Matsuoka Y, Sunagane N, Uruno T, and Kubota K, "T-2 Toxin a Mycotoxin from *Fusarium Fungi* Effect on Learning Ability of Mice" (abstract), *Jpn J Pharmacol*, 71 (Suppl 1), 1996, pp. 102P.
- United Nations, *Use of Chemical Weapons by Iraqi Regime Report of the Specialists Appointed by the Secretary-General to Investigate Allegations by the Islamic Republic of Iran Concerning the Use of Chemical Weapons*, New York, NY: United Nations, 1984.
- United Nations Special Commission, *Report to the Security Council*, New York: United Nations, 1991.
- _____, *Report to the Security Council*, New York: United Nations, 1992.
- _____, *Report to the Security Council*, New York: United Nations, 1995.
- UNSCOM—see United Nations Special Commission.
- USAMRIID—see U.S. Army Medical Research Institute of Infectious Diseases.
- U.S. Army, *Potential Military Chemical/Biological Agents and Compounds*, FM 3-9, NAVFAC P-467, AFR 355-7, December 12, 1990.
- U.S. Army Command and General Staff College, *Chemical and Biological Weapon Employment*, Ft. Leavenworth, KS: U.S. Army Command and General Staff College, 1963.
- U.S. Army Medical Research Institute of Chemical Defense, *Medical Management of Chemical Casualties Handbook*, Aberdeen Proving Ground, Md., 1995.
- U.S. Army Medical Research Institute of Infectious Diseases, "Information Sheet: Trichothecene Mycotoxins: Intoxications and Experimental Therapy," Ft. Detrick, Md., 1983.
- U.S. Army, XVIII Corps, Dusty Agents Implications for Chemical Warfare Protection (last accessed February 18, 2000, at http://www.gulflink.osd.mil/declassdocs/army/19970107/970107_apr96_decls13_0001.html), January 27, 1998.
- U.S. Department of Health and Human Services, "Final Recommendation for Protecting the Health and Safety Against Potential Adverse Effects of Long-Term Exposure to Low Doses of Agents GA, GB, VX, and Mustard Agent (H, HD, HT) and Lewisite (L)," *Federal Register*, 53, 1988, p. 8,504.
- U.S. Department of Health and Human Services, Public Health Service, Agency for Toxic Substances and Disease Registry, *Toxicological Profile for Mustard "Gas,"* Atlanta, Ga., September 1992.

- U.S. General Accounting Office, *Illnesses in Gulf War Veterans, Improved Monitoring of Clinical Progress and Reexamination of Research Emphasis are Needed*, Washington, D.C.: United States General Accounting Office, 1997.
- U.S. House of Representatives, *Use of Chemical Agents in Southeast Asia Since the Vietnam War*, Hearing Before the Subcommittee on Asian and Pacific Affairs, Washington, D.C.: U.S. Government Printing Office, 1979.
- U.S. House of Representatives, *Foreign Policy and Arms Control Implications of Chemical Weapons*, Hearings Before the Subcommittee on International Security and Scientific Affairs and on Asian and Pacific Affairs of the Committee of Foreign Affairs, House of Representatives, 97th Congress, March 30 and July 13, 1982, Washington D.C.: U.S. Government Printing Office, 1982.
- U.S. House of Representatives, *Status of Efforts to Identify Gulf War Syndrome*, Hearing Before the Subcommittee on Human Resources, Committee on Government Reform and Oversight, Washington, D.C.: U.S. Government Printing Office, April 24, 1997.
- U.S. Senate, *Is Military Research Hazardous to Veterans' Health? Lessons from World War II, The Persian Gulf, and Today*, Hearings Before the Committee on Veteran's Affairs, U.S. Senate, Washington, D.C.: U.S. Government Printing Office, 1994.
- Utgoff, V, personal communication, Comments on the History of Chemical Warfare, June 1998.
- Valdes JJ, Chester NA, Menking D, Shih T, and Whalley C, "Regional Sensitivity of Neuroleptic Receptors to Sub-Acute Soman Intoxication," *Brain Res Bull*, 14, 1985, pp. 117–21.
- Vale JA, and Scott GW, "Organophosphorous Poisoning," *Guys Hosp Reps*, 123, 1974, pp. 13–25.
- Van Helden H, Berends F, and Wolthuis O, *On the Existence of a Soman Depot, Cholinesterases*, Berlin: Walter de Gruyter Co., 1984, pp. 375–88.
- Van Helden HPM, and Wolthuis OL, "Evidence for an Intramuscular Depot of the Cholinesterase Inhibitor Soman in the Rat," *Eur J Pharmacol*, 89, 1983, pp. 271–274.
- Van Meter WG, Karczmar AG, Fiscus RR, "CNS Effects of Anticholinesterases in the Presence of Inhibited Cholinesterases," *Arch Int Pharm*, 231, 1978, pp. 249–60.
- Vedder EB, *The Medical Aspects of Chemical Warfare*, Baltimore, Md.: Williams & Wilkins Co., 1925.
- Venturini MC, Quiroga MA, Risso MA, Lorenzo CD, Omata Y, Venturini L, and Godoy H, "Mycotoxin T-2 and Aflatoxin B1 as Immunosuppressors in Mice

- Chronically Infected with *Toxoplasma gondii*," *J Comp Pathol*, 115 (3), October 1996, pp. 229–237.
- Verma RJ, Choudhary SB, "Hypercalcaemia During Aflatoxicosis," *Med Sci Res*, 1995.
- Vijayaraghavan R, Husain K., Kumar P, Pandey KS, Das Gupta S, "Time Dependent Protection by Carbamates Against Inhaled Sarin Aerosols in Rats," *Asia Pac J Pharmacol*, 7 (4), 1992, pp. 257–262.
- Vojvodic V, Milosavljevic Z, Boskovic B, Bojanic N. "The Protective Effect of Different Drugs in Rats Poisoned by Sulfur and Nitrogen Mustards," *Fund Appl Toxicol*, 5, 1985, pp. S160–S168.
- Volpe LS, Biagioni TM, and Marquis JK, "In Vitro Modulation of Bovine Caudate Muscarinic Receptor Number by Organophosphates and Carbamates," *Toxicology and Applied Pharmacology*, 78, 1985, pp. 226–234.
- Vranken MA, De Bisschop HC, Willems JL, "'In Vitro' Inhibition of Neurotoxic Esterase by Organophosphorus Nerve Agents," *Arch Int Pharmacodyn*, 260, 1982, pp. 316–318.
- Wachtel C, ed., *Chemical Warfare*, Brooklyn, NY: Chemical Publishing Co., Inc., 1941.
- Walday P, Aas P, and Fonnum F, "Inhibition of Serine Esterases in Different Rat Tissues Following Inhalation of Soman," *Biochem Pharmacol*, 41, 1991, pp. 151–153.
- Wall HG, "Development of Brain Lesions in Rats Surviving After Experiencing Soman-Induced Convulsions: Light and Electron Microscopy," *Fifth Annual Chemical Defense Bioscience Review*, Columbia, Md.: Johns Hopkins University, Applied Physics Laboratory, 1985.
- Walton M, MacGibbon G, Young D, Sirimanne E, Williams C, Gluckman P, and Dragunow M, "Do c-Jun, c-Fos, and Amyloid Precursor Protein Play a Role in Neuronal Death or Survival?" *Journal of Neuroscience Research*, 53, 1998, pp. 330–342.
- Wang C, and Murphy SD, "Kinetic Analysis of Species Difference in Acetylcholinesterase Sensitivity to Organophosphate Insecticides," *Toxicol Appl Pharmacol*, 66, 1982, pp. 409–419.
- Wang J, Wilson JR, and Fitzpatrick DW, "Central Effects of T-2 Toxin, a Trichothecene Mycotoxin," abstract, *Soc Neurosci*, 18, 1992, p. 1600.
- Wang LY, Hatch M, Chen C, et al., "Aflatoxin Exposure and Risk of Hepatocellular Carcinoma in Taiwan," *Int J Cancer*, 67, 1996, pp. 620–625.

- Wannemacher R, Bunner D, Pace J, Neufeld H, Brenecke L, and Dinterman R, "Dermal Toxicity of T-2 Toxin in Guinea Pigs, Rats, and Cynomolgus Monkeys," Fort Detrick, Md.: U.S. Army Medical Research Institute of Infectious Diseases, DTIC ADA133130, 1983.
- Wannemacher RW Jr., and Wiener SL, "Trichothecene Mycotoxins," in Sidell, Takafuji, and Franz (1997), pp. 655–676.
- Wasserman GM LTC, et al., "A Survey of Outpatient Visits in a United States Army Forward Unit During Operation Desert Shield," *Mil Med*, 162, 1997, pp. 374–379.
- Watson AP, Ambrose KR, Friffin GD, Leffingwell SS, Munro NB, and Waters LC, "Health Effects of Warfare Agent Exposure: Implications for Stockpile Disposal," *Environ Prof*, 11, 1989, pp. 335–353.
- Watson AP, and Griffin GD, "Toxicity of Vesicant Agents Scheduled for Destruction by the Chemical Stockpile Disposal Program," review, *Environ Health Perspect*, 98, 1992, pp. 259–280.
- Watson BW, George B, Tsouras P, and Cyr BL, *Military Lessons of the Gulf War*, London: Greenhill Books, 1991.
- Watson SA, Mirocha CJ, and Hayes AW, "Analysis for Trichothecenes in Samples from Southeast Asia Associated with 'Yellow Rain,'" *Fund Appl Toxicol*, 4, 1984, pp. 700–717.
- Wecker L, Mrak RE, and Dettbarn WD, "Evidence of Necrosis in Human Inter-costal Muscle Following Inhalation of an Organophosphate Insecticide," *Fund Appl Toxicol*, 6, 1986, pp. 172–174.
- Wellner RB, Hewetson JF, and Poli MA, "Ricin Mechanism of Action, Detection, and Intoxication," *J Toxicol-Toxin Rev*, 14, 1995, pp. 483–522.
- Wells WJEG, and MacFarlan CW, *Phosgene Oxime (Dichloroformoxine)*, Part II: *Toxicity: Median Lethal Concentration for Mice and Vesicant Action on Man*, Edgewood Arsenal, Md.: War Department, Chemical Warfare Service, 1938.
- Wende O, *Skin Damage Caused by Chemical Warfare Agents*, DTIC ADB026006, 1977.
- West SG, "Rheumatic Disorders during Operation Desert Storm," *Arthritis Rheum*, 36 1993, pp. 251–253.
- White LE, and Price JL, "The Functional Anatomy of Limbic Status Epilepticus in the Rat, I. Patterns of 14C-2-deoxyglucose Uptake and fos Immunocytochemistry," *J Neurosci*, 13, 11, November 1993, pp. 4787–4809.

- Whorton MD, and Obrinsky DL, "Persistence of Symptoms After Mild to Moderate Acute Organophosphate Poisoning Among 19 Farm Field Workers," *J Toxicol Environ Health*, 11, 1983, pp. 347-354.
- Wickelgren I, "Rat Model for Gulf War Syndrome?" *Science*, 278, 1997, pp. 1404-1405.
- Wilhelmsen CL, and Pitt ML, "Lesions of Acute Inhaled Lethal Ricin Intoxication in Rhesus Monkeys," *Vet Pathol*, 33, 1996, pp. 296-302.
- Willems JL, Nicaise M, and De Bisschop HC, "Delayed Neuropathy by the Organophosphorus Nerve Agents Soman and Tabun," *Arch Toxicol*, 55, 1984, pp. 76-77.
- Willems JL, Palate BM, Vranken MA, and De Bisschop HC, "Delayed Neuropathy by Organophosphorus Nerve Agents," *Proceedings of the International Symposium on Protection Against Chemical Warfare Agents*, Stockholm, Sweden, June 6-9, 1983, pp. 95-100.
- Wilson A, "The Effects on Man of DFP and Other Anticholinesterases," *Chem Ind*, 1, 1954, pp. 2-8.
- Wilson BW, Kawakami TG, Cone N, et al., "Genotoxicity of the Phosphoramidate Agent Tabun (GA)," *Toxicology*, 86, 1994, pp. 1-12.
- Wintermeyer SF, Pina JS, Cremins JE, and Heier JS, "The Inpatient Experience of a U.S. Army Combat Support Hospital in the Persian Gulf During Non-Combat and Combat Periods," *Mil Med*, 159, 1994, pp. 746-751.
- _____, "Medical Care of Iraqis at a Forwardly Deployed U.S. Army Hospital During Operation Desert Storm," *Mil Med*, 161, 1996, pp. 294-297.
- Wittich AC, "Gynecological Evaluation of the First Female Soldiers Enrolled in the Gulf War Comprehensive Clinical Evaluation Program at Tripler Medical Center," *Mil Med*, 161, 1996, pp. 635-637.
- Wolthuis OL, Benschop HP, and Berends F, "Persistence of the Anticholinesterase Soman in Rats: Antagonism with a Non-Toxic Simulator of This Organophosphate," *Eur J Pharmacol*, 69, 1981, pp. 379-383.
- Wolthuis OL, Groen B, Busker RW, and van Helden HP, "Effects of Low-Doses of Cholinesterase Inhibitors on Behavioral Performance of Robot-Tested Marmosets," *Pharmacol Biochem Behav*, 51, 1995, pp. 443-456.
- Wolthuis OL, Philippens IHCHM, and Vanwersch RAP, "On the Development of Behavioral Tolerance to Organophosphates IV: EEG and Visual Evoked Responses, Pharmacol," *Biochem Behav*, 39, 1991, pp. 851-858.
- Woodard CL, Calamaio CA, Kaminskis A, Anderson DR, Harris LW, and Martin DG, "Erythrocyte and Plasma Cholinesterase Activity in Male and Female

- Rhesus Monkeys Before and After Exposure to Sarin," *Fundam Appl Toxicol*, 23, 1994, pp. 342–347.
- Worek F, Widmann R, Knopff D, and Szinica L, "Reactivating Potency of Obidoxime, Pralidoxime, H1-6 and HL07 in Human Erythrocyte Acetylcholinesterase Compounds," *Archive Toxicology*, 72, 1998, pp. 237–243.
- World Health Organization, *Health Aspects of Chemical and Biological Weapons, Report of a WHO Group of Consultants*, Geneva: World Health Organization, 1970.
- Writer JV, DeFraités RF, and Brundage JF, "Comparative Mortality Among U.S. Military Personnel in the Persian Gulf Region and Worldwide During Operations Desert Shield and Desert Storm," *JAMA*, 275 (2), January 10, 1996, pp. 118–121.
- Yamakido M, Ishioka S, Hiyama K, and Maeda A, "Former Poison Gas Workers and Cancer: Incidence and Inhibition of Tumor Formation by Treatment with Biological Response Modifier N-CWS," abstract, *Environ Health Perspect*, 104 (Suppl 3), 1996, pp. 485–488.
- Yap HY, Murphy WK, DiStefano A, Blumenschein GR, and Bodey GP, "Phase II Study of Anguidine in Advanced Breast Cancer," *Cancer Treat Repts*, 63, 1979, pp. 789–791.
- Yarom R, Sherman Y, More R, Ginsburg I, Borinski R, and Yagen B, "T-2 Toxin Effect in Bacterial Infection and Leukocyte Functions," *Toxic Appl Pharmacol*, 75, 1984, pp. 60–68.
- Yasuda A, Yamaguchi T, Manabe Y, Ohkoshi K, Sakuma A, and Kusano Y, "Sarin Terrorism in Tokyo 3 Months Followup," abstract, *Invest Ophthalmol Vis Sci*, 37, 1996, p. S943.
- Yokoyama K, Araki S, Murata K, et al., "A Preliminary Study on Delayed Vestibulo-Cerebellar Effects of Tokyo Subway Sarin Poisoning in Relation to Gender Differences: Frequency Analysis of Postural Sway," *J Occup Environ Med*, 40, 1998a, pp. 17–21.
- Yokoyama K, Araki S, Murata K, Nishikitani M, Okumura T, Ishimatsu S, Takasu N, and White RF, "Chronic Neurobehavioral Effects of Tokyo Subway Sarin Poisoning in Relation to Posttraumatic Stress Disorder," *Arch Environ Health*, 53 (4), July–August 1998b, pp. 249–256.
- Yokoyama K, Ogura Y, Kishimoto M, et al., "Blood Purification for Severe Sarin Poisoning After the Tokyo Subway Attack," *JAMA*, 274, 1995, p. 379.
- Yokoyama K, Yamada A, and Mimura N, "Clinical Profiles of Patients with Sarin Poisoning After the Tokyo Subway Attack," *Am J Med*, 100, 1996, p. 586.

- Zarba A, Hmieleski R, Hemenway DR, Jakab GJ, and Groopman JD, "Aflatoxin B1-DNA Adduct Formation in Rat Liver Following Exposure by Aerosol Inhalation," *Carcinogenesis*, 13, 1992, pp. 1031-1033.
- Zajtchuk R, Bellamy RF, eds., *Textbook of Military Medicine*, Washington, D.C.: Department of the Army, Office of the Surgeon General, Borden Institute, 1997.
- Zilinskas RA, "Iraq's Biological Weapons, The Past as Future?" *JAMA*, 278, 1997, pp. 418-424.