

## CURRICULUM VITAE

ERIC G. COMSTOCK, M.D.

### PERSONAL:

Date of Birth: February 25, 1927  
(San Diego, California)

Home Address: Houston, TX

Business Address: 6910 Bellaire Blvd., Suite 12  
Houston, TX 77074

Business Phone: (713) 541-3214

Texas License: C-6897; 1958

Board Certification: American Board of Medical  
Toxicology, 1975

### EDUCATION:

1946-1950 San Diego State College, AB Major -  
Zoology, Minor - Chemistry.

1950-1954 University of California at Berkeley,  
Bacteriology, Biochemistry Degree; M.A.,  
1953.

1954-1958 Baylor College of Medicine, Houston,  
Degree - M.D., 1958.

1958-1959 Rotating Intern, Methodist Hospital  
Houston, Texas.

1959-1961 United States Public Health Service,  
Post-doctoral Research Fellow, Depart-  
ments of Biochemistry and Medicine, Baylor  
College of Medicine, Houston, Texas.

1975 Diplomate, American Board of Medical  
Toxicology.

PROFESSIONAL EXPERIENCE:

1961 to present	Private practice of Clinical Toxicology, Houston, Texas.
1972-1980	Director, Institute of Clinical Toxicology, Houston, Texas.
1972-1975	Medical Director, Harris County Psychiatric Diagnostic Hospital Drug & Alcohol Detoxification Unit.
1969-1970	Assistant Research Toxicologist, University of Texas School of Public Health, Houston, Texas.
1960-1964	Director, Biometric Laboratory, Houston, Texas.
1955-1958	Senior Research Technician, Department of Pathology, Section of Experimental Pathology, M.D. Anderson Hospital & Tumor Research Institute, Houston, Texas.
1954-1955	Senior Research Assistant, Department of Microbiology, Baylor College of Medicine, Houston, Texas.
1953-1954	Research Assistant, Virology, Cutter Laboratories, Department of Medical Research, Berkeley, California.
1951-1953	Research Assistant, Bacteriology, U.S. Naval Biological Laboratory, Oakland, California.
1949-1950	Instructor, Medical Bacteriology, San Diego State College, San Diego, California.



APPOINTED AND ELECTED POSITIONS WITH PROFESSIONAL ORGANIZATIONS:

1968-1969	First President, American Academy of Clinical Toxicology.
1969-1972	Executive Director, American Academy of Clinical Toxicology.
1971-1973	Chairman, Committee on Drugs and Suicide, American Association of Suicidology.
1975-1979	Member, Board of Examiners, American Board of Medical Toxicology of the American Board of Clinical Toxicology.
1977-1980	President, Toxicology Section, Pan American Medical Association.
1977-1979	Vice-President, World Federation of Clinical Toxicology & Poison Control Centers.
1978-1979	Chairman, Continuing Education, American Academy of Clinical Toxicology.
1997	Chairman, Committee on Material Safety Data Sheets, American College of Medical Toxicology.
1997	Elected to Fellowship status, American College of Medical Toxicology.
October 1999	Elected Co-Chairman, Forensic Toxicology Interest Group, American Academy of Clinical Toxicology.

PROFESSIONAL SOCIETIES:

American Association of Industrial Hygienists (1958-1965)

American Occupational Medical Association (1967 to present)

American College of Occupational and Environmental Medicine (formerly the American College of Occupational Medicine)

American Association of Suicidology (1972-1978)

American College of Emergency Physicians (1972-1976)

American College of Medical Toxicology, Fellow, (1995 to present)

PROFESSIONAL SOCIETIES: (Continued)

American Academy of Clinical Toxicology, Fellow, (1995 to present)

Pan American Medical Association (1958-1978)

Harris County Medical Society (1958 to present)

Texas Medical Association (1958 to present)

American Association of Poison Control Centers (1966-1975)

Society of Toxicology (1966-1988)

Latin-American Society of Toxicology (1968-1980)

Argentine Society of Forensic Medicine & Toxicology  
(1977-1980)

American College of Toxicology (1978-1985)

American Medical Association (1983 to present)

Southwest Association of Toxicologists (1965-1980)

Association of Methadone Program Physicians, Inc. (1985)

American College of Legal Medicine (1991-1994)

EDITORIAL ACTIVITIES:

1968-1975                      Editor, Clinical Toxicology Bulletin,  
published quarterly 1968-1972 for the  
American Academy of Clinical Toxicology.  
Assumed by the Institute of Clinical  
Toxicology 1972-1975.

1970 to present                Editorial Review Panel, Texas Medicine.

1971 to present                Consulting Editor on Clinical Toxicology;  
Journal of the American Medical Association.

1972-1992                      Editorial Board, Clinical Toxicology;  
Marcel Dekker, Inc., New York.

EDITORIAL ACTIVITIES: (Continued)

- 1975-1979 Editorial Board, American Journal of Drug & Alcohol Abuse; Marcel Dekker, Inc., New York.
- 1991 Physicians' Ad Hoc Editorial Review on Toxicology, Chest, The Official Journal of the American College of Chest Physicians.

CONSULTING ACTIVITIES:

- 1968 Principles of Chemical Epidemiology, USPH, CDC Pesticides Program, Atlanta. Consultant and Instructor.
- 1970 Ad hoc Committee on Terminology, Panel on Human Effects of Pesticides, Toxicology Information Program Committee NAS/NRC, Washington. January 21-23.
- 1970 Task Force on Suicide Prevention in the 70's. Center for Studies on Suicide Prevention, National Institute for Mental Health, Phoenix. January 30 to February 1.
- 1975 Advisory Panel on Toxicology, U.S. Pharmacopeia.
- 1973 Ad hoc Grant Review Committee Youth & Polydrug Projects, National Institute on Drug Abuse, Washington, D.C.
- 1975 National Institute on Drug Abuse, Special Conference: Medical Care at Large Youth Gatherings: Consultant on treatment of drug-related illness, December 9-11, Reston, Virginia.
- 1975 Consulting Panel on drug abuse education. Texas State Program on Drug Abuse, Texas Department of Community Affairs.

CONSULTING ACTIVITIES:

(Continued)

- 1975 Consultant, Emergency Department Drug Abuse Training Program, National Drug Abuse Training Center, Rosslyn, Virginia
- April 1975 Consultant, National Drug Abuse Center for Training and Resource Development. Re: Emergency Department, Drug Abuse Treatment Training Program.
- Oct. 1975 to June 1977 Member, Drug Abuse Demonstration Review Committee, Division of Resource Development, National Institute on Drug Abuse, Washington, D.C.
- 1975 Reviewer, Standards for Drug Abuse Treatment & Rehabilitation Programs. Accreditation Council for Psychiatric Facilities. Joint Commission on Accreditation of Hospitals. Consultant on Standards for Emergency Care.
- February 1976 Member, Graduate Education Subcommittee for the Science Advisory Board, National Center for Toxicological Research.
- 1976-1980 Food and Drug Administration, National Clearinghouse for Poison Control Centers. Review of treatment recommendations.
- 1977 Fulbright Commission for Educational Exchange between Uruguay and the United States. Exchange Professor in Clinical Toxicology, August 1 through September 15, 1977.
- 1982-1985 Regional Consultant for toxic emergencies, National Oceanic & Atmospheric Administration, The United States Department of Commerce.

CONSULTING ACTIVITIES: (Continued)

- 1984 Poison Control ad hoc Committee of the Texas Emergency Medical Services Advisory Council, Bureau of Emergency Management, Texas Department of Health, Austin, Texas.
- June 4, 1985 Brunswick Hospital Center, Amityville, New York. Consultant on procedures for Chemical Decontamination Unit.
- June 1988 Referee examiner, Department of Labor, Mid western United States, Office of Workers' Compensation Programs, Dallas, Texas, Dr. B.L. Reynolds, District Medical Advisor.
- January 1999 -2001 Toxicologist, Houston Medical Strike Team, City of Houston; atomic, biologic and chemical terrorism.

BIBLIOGRAPHY:

1. Comstock, E.G., and Wynn, E.S.: "Determination of DOPA oxidase on pigmented tissues." Amer. J. Clin. Path. 28:264-268, 1957.
2. Comstock, E.G., Wynn, E.S., and Russell, W.O.: "DOPA oxidase activity in differential diagnosis of amelanotic melanoma tissues." Cancer Research 19:830-833, 1959.
3. Comstock, E.G., and Rue, R.R.: "Exposure of mice to nitrogen dioxide - a constant pressure system." Amer. Indust. Hyg. Assoc. J. 22:33-35, 1961.
4. Comstock, E.G., Rue, R.R., and Gast, J.H.: "A system for the exposure of mice to an atmosphere containing carbon particles." Amer. Indust. Assoc. J. 23:88-90, 1962.
5. Comstock, E.G., and Comstock, B.S.: "The analysis of blood glucose using stable dry specimens." Amer. J. Clin. Path. 45:297-301, 1966.
6. Comstock, E.G., Comstock, B.S. and Collins, J.R.: "A restraint mechanism for rabbits." Amer. Indust. Hyg. Assoc. J. 27:579-580, 1966.
7. Comstock, E. G., Comstock, B.S., and Ellison, K.: "A turbidometric method for the determination of pentachlorophenol in urine." Clin. Chem. 13:1050-1056, 1967.
8. Comstock, E.G., Bickel, L., and McCormick, R.A.: "Acute Ethion poisoning." Texas Medicine 63:71-75, 1967.
9. Comstock, E.G.: "The treatment of poisoning: a program for the medical curriculum." Clin. Tox. 1:49-56, 1968.
10. Comstock, E.G.: "Treat the patient, not the poison." Texas Medicine 65:25-28, 1969.
11. Comstock, E.G.: "Clinical toxicology." Texas Medicine 65:39-40, 1969.
12. Comstock, E.G.: "Rapid methods for the diagnosis of poisoning." International Microform J. Legal Med. 2nd quarter, 1970.

BIBLIOGRAPHY: (Continued)

13. Comstock, E.G.: "Clinical toxicology: a new specialty in the United States." Festschrifts Franz Borbely, Swiss Toxicology Information Center, pp.21-32, 1970.
14. Comstock, E.G.: "Trate al paciente, no al veneno." Boletin de la Seccion Plaquicidas, Centro de Toxiologia, No. 3, October, 1970, pp. 6-8, Universidad Nacional de Buenos Aires.
15. Comstock, E.G.: "The drug compendium from the viewpoint of the clinical toxicologist." Drug Inform. Bull. pp.208-210, July to December, 1970.
16. Comstock, E.G.: "Generation of misinformation from human clinical experience." Drug Inform. Bull. Jan. to June, 1971.
17. Comstock, E.G.: "Clinical toxicology for the medical curriculum: Acute barbiturate poisoning." Edited by Henry Matthew Exerpta Medica Foundation pp.337-350, 1971.
18. Comstock, E.G.: "A literature citation and abstracting program." Clin. Tox. Bull. 2(1):7-17, 1971.
19. Comstock, E.G.: "Report on a one day intensive training program: treatment of acute intoxication." Clin. Tox. Bull. 2(4):3-9, 1971.
20. Fawcett, J., Comstock, E.G., Dizmang, L.H., Gendin, H., Jagodinski, J.P., Litman, R.E., May, M., Minz, R., Motto, J., and Wylie, M.M.: "Suicide prevention in the seventies - priorities for improved treatment approaches." Suicidology Bull. 1973.
21. Comstock, E.G.: "An emergency room formula for the treatment of acute intoxication." Clin. Tox. Bull. 3(4): 1973, (Supplement).
22. Faulkner, T.P., Hayden, J.W., Comstock, E.G.: "Preliminary studies on secobarbital and methaqualone disposition and tolerance in polydrug abusers." Clin. Tox. Bull. 3(4): 205-216, 1973.

BIBLIOGRAPHY: (Continued)

23. Hayden, J.W., Faulkner, T.P., and Comstock, E.G.: "Interfacing the toxicology laboratory with the treatment unit." Clin. Tox. Bull. 3(4):189-204, 1973.
24. Comstock, E.G.: Chapter, "Clinical Toxicology." Toxicology-Basic Science of Poisons; Ed. Casarett, L. and Doull, J., Macmillan, pp. 657-665, 1975.
25. Hayden, J.W., Faulkner, T.P., and Comstock, E.G.: "Non-narcotic drug dependence. 1. Detoxification." Texas Medicine 71:77-83, 1975.
26. Comstock, E.G.: "Guide to management of drug overdose." Physician's Desk Reference 1975 to 1991.
27. Karacan, I., Comstock, B.S., and Comstock, E.G.: "The sleep EEG patterns of chronic drug abusers." Proceedings, International Symposium on Self-Regulation of the Sleep Processes, Leningrad, U.S.S.R., October 1974 (Russian).
28. Comstock, E.G.: "Treatment for Survival Prior to Death and Interpretation of Postmortem Toxicologic Findings." Chap. 4, Guide to Investigation and Reporting of Drug Abuse Deaths, USDHEW, Government Printing Office, 017-024-00591-6, 1977.
29. Comstock, E.G.: "Information resources for treatment of acute drug overdose." Drug Information Journal 9:81-88, 1975.
30. Schmalsteig, W.J., Hayden, J.W., and Comstock, E.G.: "Propoxyphene napsylate detoxification." Texas Medicine 71:70-76, 1975.
31. Hayden, J.W., and Comstock, E.G.: "The use of activated charcoal in acute poisoning." Clin. Tox. 8:515-534, 1975.
32. Hayden, J.W., and Comstock, E.G., and Comstock, B.S.: "Clinical toxicology of solvent abuse." Clin. Tox. 9:169-184, 1976.
33. Comstock, E.G.: "Latest guidelines for managing drug overdose." Current Prescribing, December, 1975.

BIBLIOGRAPHY: (Continued)

34. Wesson, D.R., Smith, D.E., Schoof, K.F., Jacoby, E., Raynes, A., Comstock, B.S., Comstock, E.G., Deutsch, L.: "Medical treatment for complications of polydrug abuse." U.S. Government Printing Office, 017-024000555-0, DHEW, NIDA Manual, December 1977.
35. Comstock, E.G.: "Chemotherapy for drug-related emergencies." Treatment Manual for Acute Drug Abuse Emergencies Chapter 27, pp. 277-296, 1976. Academic Press, Editor Peter G. Bourne, M.D.
36. Comstock, E.G.: "Management of drug overdose." Clin. Tox. 8:475-482, 1975.
37. Comstock, E.G.: "Introduction to clinical toxicology for attorneys." Houston Law Review 14:260-272, 1976.
38. Comstock, E.G.: "The Institute of Clinical Toxicology 1974-1977." Clin. Tox. 8:111-112, 1975.
39. Comstock, E.G., and Comstock, B.S.: "Medical evaluation of inhalant abusers." Review of Inhalants: Euphoria to Dysfunction." National Institute on Drug Abuse, Chapter 4, pp.54-77, 1977. Editors: Charles W. Sharp, Ph.D., and Mary Lee Brehm, Ph.D.
40. Faulkner, T.P., McGinity, J.W., Hayden, J.W., Olson, D., and Comstock, E.G.: "Pharmacokinetic studies on tolerance to multiple doses of sedative-hypnotics in a polydrug abuse population. 1. Seconal." Clin. Pharmacol. Therap. 23(1):36-46, Jan 1978.
41. Faulkner, T.P., McGinity, J.W., Hayden, J.W., Olson, D., and Comstock, E.G.: "Pharmacokinetic studies on tolerance to multiple doses of sedative hypnotics in a polydrug abuse population. 2. Methaqualone." J. Exp. Pharmacol. Therap.
42. Comstock, E.G., Comstock, B.S., and Faulkner, T.P.: "A sub-study: medical effects of 8 of 12 inhalant abusers in: 'Voluntary inhalation of industrial solvents.'" Edited by C.W. Sharp & L.T. Carroll, NIDA Publication No. (ADM) pp. 169-176, 1978.

BIBLIOGRAPHY: (Continued)

43. Faulkner, T.P., Hayden, J.W., Metha, C., Olson, D., and Comstock, E.G.: "Dose response studies on tolerance to multiple doses of sedative secobarbital and methaqualone in a polydrug abuse population." Clin. Tox. 15(1):48-58, 1979.
44. Comstock, E.G.: "Morbidity due to non-poisoning." J. Occ. Med. Assoc. 20:755-758, 1978.
45. Faulkner, T.P., McGinity, J.W., Netha, C., Olson, D., Comstock, E.G., and Comstock, B.S.: "Pharmacokinetic studies on tolerance to multiple doses of sedative hypnotics in a polydrug abuse population. 2. Secobarbital-amobarbital." J. Clin. Pharmacol. 19(10):606-616, 1979.
46. Comstock, E.G., and Stewart, E.: "Current literature on medical toxicology." Clin. Tox. 14(2):239-252, 1979.
47. Comstock, E.G.: "Current literature on medical toxicology." Clin. Tox. 14(3):327-336, 1979.
48. Comstock, E.G.: "The practice of medical toxicology." Clin. Tox. 15(1):1-11, 1979.
49. Comstock, E.G., and Stewart, E.: "Current literature on medical toxicology." Clin. Tox. 15(1):91-95, 1979.
50. Comstock, E.G.: "Diagnosis of asbestosis." Dial Access Program, University of Texas, M.D. Anderson Hospital, 1979.
51. Comstock, E.G.: "Current literature on medical toxicology." Clin. Tox. 17(3):463-473, 1980.
52. Comstock, E.G.: "Non-interactive emergency consultation for acute intoxication." Clin. Tox. 18(2):133-140, 1981.
53. Comstock, E.G., Fernandez, G., et al.: "Toxicology and clinical toxicology in Uruguay." Clin. Tox. 18(7):635-641, July 1981.
54. Comstock, E.G.: "Current literature on medical toxicology and a bibliography on pentachlorophenol." Clin. Tox. 16(4):531-539, 1980.

BIBLIOGRAPHY: (Continued)

55. Comstock, E.G.: "Current literature on medical toxicology and bibliography on vanadium." Clin. Tox. 16(4):541-548, 1980.
56. Comstock, E.G., Faulkner, T.P., Boisaubin, E.V., Olson, D.A., and Comstock, B.S.: "Studies on the efficacy of gastric lavage as practised in a large metropolitan hospital." Clin. Tox. 18(5):581-597, 1981.
57. Comstock, E.G.: "Current literature on medical toxicology." Clin. Tox. 18(2):231-239, 1981.
58. Comstock, E.G.: "Current literature on medical toxicology." Clin. Tox. 18(3): March, 1981.
59. Comstock, E.G., and Boisaubin, E.V.: "Guide to management of drug overdose." Physician's Desk Reference, 1982.
60. Comstock, E.G., Boisaubin, E.V., Comstock, B.S., and Faulkner, T.P.: "Assessment of the efficacy of activated charcoal following gastric lavage in acute drug emergencies." Clin. Tox. 19(2):149-156, 1982.
61. Comstock, E.G.: "Roots and Circles in Medical Toxicology: A Personal Reminiscence." J. Toxicol. Clin. Toxicol. 36(5): 401-407, 1998.

LETTERS AND ABSTRACTS:

1. "Capsule Formation in a Bicarbonate-Containing Medium as a Test for the Identity and Virulence of Anthrax Bacilli." Abstract: Bac. Proc., 1955.
2. "Pulmonary Reactions to Air Pollution Demonstrated by Fume Fixation." Abstract: Amer. Rev. Resp. Dis. 83:417, 1961.
3. Response of Serum Cholinesterase Activity to Administration of Protopam after Poisoning of Humans with Anticholinesterase Insecticides." Abstract: Indus. Hyg. Assoc. Conf. p.124, May 1967.
4. "Urinary Excretion of Organic Extractable Phosphorus after Phosphate Ester Insecticide Poisoning." Abstract: Tox. Appl Pharmacol. 10:2, 1967.
5. "Treatment of Poisoning." Letter: New England J. Med. 278:112, 1968.
6. "Clinical Toxicology." Letter: New England J. Med. 279: Dec. 26, 1968.
7. "Training in Toxicology." Letter to the Editor: Medical Tribune Dec. 9, 1968.
8. "Rapid Analysis Suggested for Poison Diagnosis." Letter to the Editor: Clinical Lab. Forum p. 3, August, 1969.
9. "Significance of Diagnostic Errors." Abstract: Clin. Tox. Bull. 1(1):4, 1970.
10. "Glutethimide Intoxication." Letter to the Editor: JAMA 215:1668, 1971.
11. "Occupational Toxicology." Letter to the Editor: Medical Tribune July 20, 1971.
12. "Treatment of Drug Overdose." Letter to the Editor: Postgraduate Medicine.
13. "Clinical Toxicology 1971 - Where to Now?" Guest Editorial, Lippencotts Hospital Pharmacy, December 1971.

LETTERS AND ABSTRACTS: (Continued)

14. "An Emergency Department Drug Formulary for Treatment of Acute Poisoning." Clin. Tox. 7:210, 1974.
15. "Medical Treatment and Consequences of Non-Opiate Abuse," James Berry, Eric Comstock, Igor Grant, Phillip Rennick, and Donald Wesson. Abstracts: National Drug Abuse Conference, April 1975, New Orleans, Louisiana.
16. "Urinary Excretion of Pentachlorophenol in an Occupationally Exposed Population." Clin. Tox. 7:208, 1974.
17. "CNS Stimulants and Tranquilizers: Clinical Response to Multiple Doses." J.W. Hayden, T.P. Faulkner and E.G. Comstock. Abstract: 7th Annual Meeting, American Academy of Clinical Toxicology, Montreal, Canada, 1974.
18. "Sedative Drugs: Clinical Response to Multiple Doses." J.W. Hayden, T.P. Faulkner, and E.G. Comstock, Ibid.
19. "Studies on the Metabolism and Disposition of Methaqualone in Drug Abusing Patients." T.P. Faulkner, J.W. Hayden, D. Olson, and E.G. Comstock, Ibid.
20. "EEG Sleep Patterns and Drug Abuse." I. Karacan, R.L. Williams, B.S. Comstock, E.G. Comstock, and M. Okawa. Abstract: APA Annual Meeting, 1975.
21. "Treatment of acute Barbiturate Poisoning." Amer. Fam. Phys. 10:35, 1974.
22. "Measuring the Health Effects of Drug Abuse." E.G. Comstock and K. Smith. Clin Tox. 7:223, 1974.
23. "Guide to Management of Drug Abuse." Clin. Tox. 8:475-482, 1975.
24. "Pesticides." Abstract: Clin. Tox. 15(4):485, 1979.
25. "Industrial Toxicology." Abstract: Clin. Tox. 15(4):472, 1979.
26. "Chemicals and Fertility." Texas Medicine 1980.

LETTERS AND ABSTRACTS: (Continued)

27. "Asbestos Disease among Career Insulators." AACT Meeting, August, 1980 - Minneapolis, Minnesota.
28. "Methadone Dosage as a Determinant of Maintenance Program Efficacy." E.G. Comstock and F. Goodkin, Vet. Human Tox. 23(Suppl I):50.
29. "Assessment of the Efficiency of Activated Charcoal Following Gastric Lavage in Acute Drug Emergencies." E.G. Comstock and T.P. Faulkner, Vet. Human Tox. 23(Suppl I):57, 1981.
30. "Asbestos Disease among Wives of Career Insulators." E.G. Comstock, Vet. Human Tox. 23(Suppl I):60, 1981.
31. "The Vietnam Veterans Agent Orange Relief Act." Letter to the Editor: JAMA 250:3, July 15, 1983.
32. "Methadone Treatment-Related Deaths." Proceedings of the Texas Association of Methadone Programs, Austin, Texas, August 18, 2000.

GRANTS AND CONTRACTS:

(BNND) Bureau of Narcotic and Dangerous Drugs Contract  
71-16, July 1971 to February 1972. \$18,968.00

Development of a reporting program for emergency  
department experience with drug-related illness.

(BNND) Bureau of Narcotic and Dangerous Drugs Contract  
72-46, May 1972 to April 1973. \$99,423.00

Implementation of a national Emergency Room  
Drug Abuse Experience reporting program.

(NIDA) National Institute on Drug Abuse 3H81-DA01466-01  
July 1973 to June 1974. \$393,574.00

Houston Polydrug Abuse Research and Treatment  
Program. Ten-bed inpatient program for research  
in biochemical, toxicologic, psychological and  
electroneurophysiologic effects on non-narcotic  
polydrug abuse.

(NIDA) National Institute on Drug Abuse 3H81-DA01466-  
01SI, July 1974 to June 1975. \$600,000.00

Second year continuation of Houston Polydrug  
Abuse Research and Treatment Program with expanded  
emphasis on neuropsychologic and electroneuro-  
physiologic effects of chronic sedative drug  
abuse.

(NIDA) National Institute on Drug Abuse IH81 DA01753-01,  
August 1975. \$120,000.00

"Treatment of Acute Drug Overdose Using Activated  
Charcoal."

(SPODA) State Program on Drug Abuse F(R)-7515. \$50,000.00

"Drug Abuse in an Emergency Health Care System."

Supplement to National Institute on Drug Abuse IH81  
DA01753-01, April 1976. \$37,424.00

GRANTS AND CONTRACTS: (Continued)

Texas Commission on Alcoholism: Assessment of Referral  
Mechanisms in the Emergency Department for  
Alcoholic Patients, Sept. 1, 1976 to June 1977. \$41,668.00

Texas Department of Community Affairs HSM4273176,  
October 1, 1976 to June 19, 1977 (Drug Abuse  
Treatment). \$112,480.00

Texas Department of Community Affairs HSM4273176 (ND),  
June 20, 1977 to June 19, 1978 (Drug Abuse  
Treatment Services). \$216,462.00

PAPERS PRESENTED AT SCIENTIFIC AND PROFESSIONAL MEETINGS AND  
CONTINUING EDUCATION:

March 23-25, 1967 Society of Toxicology, Atlanta:  
"Urinary Organic Extractable Phosphate  
after Acute Organophosphate Insecticide  
Poisoning."

April 10-13, 1967 American Industrial Health Conference  
(IMA), New York, Scientific Exhibits:  
"Rapid Identification of Toxic Substances  
by Simple Laboratory Methods."

May 1-5, 1967 American Industrial Hygiene Conference  
(AIHA), Chicago: "Urinary Pentachloro-  
phenol (PCP) after Human Exposure to PCP"  
and "Regeneration of Serum Acetylcholin-  
esterase Activity in Humans with 2-PAM."

October 23, 1967 American Association of Poison Control  
Centers, Washington, D.C.: "Treatment of  
Sedative Drug Intoxication."

November 15-17, 1967 Southern Medical Associations: "Diagnosis  
and Treatment of Occupational Lead  
Exposure."

October 19-21, 1968 American Association of Poison Control  
Centers, Chicago: "Educational Programs  
in Clinical Toxicology."

PAPERS PRESENTED AT SCIENTIFIC AND PROFESSIONAL MEETINGS AND  
CONTINUING EDUCATION: (Continued)

- October 22, 1968 American Academy of Clinical Toxicology,  
First Annual Meeting, Chicago.  
Conference Chairman: "The Role of  
Analytical Chemistry in Clinical  
Toxicology."
- June 2-4, 1969 International Conference on Poison  
Control and Drug Abuse, New York: "Rapid  
Methods for Identification of  
Toxic Substances."
- August 13-17, 1969 First Latin American Congress of  
Toxicology, Bogota, Columbia: "Clinical  
Toxicology in the United States."
- October 22-25, 1969 American Academy of Clinical Toxicology,  
Chicago. General Conference Chairman:  
"The Significance of Diagnostic Errors."
- February 5-7, 1970 American Medical Association Congress of  
Medical Education, Chicago: "Clinical  
Toxicology Training for Internship."
- February 9-12, 1970 American Society of Clinical Pathologists  
Houston: "Clinical Toxicology in the  
Medical Examiner's Office."
- March 22-23, 1970 American Association of Suicidology,  
San Francisco: "Suicide Prevention by a  
Regional Clinical Toxicology Program."
- June 11-12, 1970 Drug Information Association Symposium,  
"A Drug Compendium," Washington, D.C.:  
"Information Sources for Treatment of  
Drug Overdose."
- August 17-20, 1970 Seventh Inter-American Conference on  
Toxicology and Occupational Health,  
Miami: "Emergency Department Formulary  
for Treatment of Acute Intoxication."

PAPERS PRESENTED AT SCIENTIFIC AND PROFESSIONAL MEETINGS AND  
CONTINUING EDUCATION: (Continued)

- October 22-26, 1970 Third Annual Meeting of American Academy of Clinical Toxicology, General Conference Chairman: "Emergency Department Reporting Program for Drug-Related Illness."
- October 28-29, 1970 American Association of Poison Control Centers, Houston: "Design of a Regional Clinical Toxicology Program."
- March 7-10, 1971 Drug Information Association Symposium on Distribution of Information and Generation of Misinformation, Washington, D.C.: "Misinformation Generated from Clinical Experience with Acute Poisoning."
- March 19-21, 1971 American Association of Suicidology, Fifth Annual Meeting, Washington, D.C.: "Suicide Prevention by the Clinical Toxicologist."
- April 6, 1971 Midwestern Committee on Drug Research, Guest Speaker: "Clinical Toxicology as a Medical Specialty."
- May 6, 1971 Texas Medical Association, Houston: "Incidence and Characteristics of Acute Poisoning in Houston Emergency Departments."
- October 21-23, 1971 Fourth Annual Meeting, American Academy of Clinical Toxicology, Philadelphia. General Conference Chairman.
- November 12-13, 1971 American Association of Clinical Chemists, Syracuse, New York, Toxicology Symposium, Introductory Guest Speaker: "Is Emergency Toxicology Laboratory Services Worth the Investment?"

PAPERS PRESENTED AT SCIENTIFIC AND PROFESSIONAL MEETINGS AND  
CONTINUING EDUCATION: (Continued)

- December 2, 1971 American Chemical Society, San Antonio, Texas: "Manganese in Biological Substrates." D. Posey, A. Crull, B. Mosier, E. Comstock.
- February 8-9, 1972 American Society of Clinical Pathologists Atlanta: "An Event in the Year of Pathology: Introductory Presentation - 1. 'Drug Abuse in Clinical Practice' and 2. 'Needs, Resources, and Research in Toxicology,'" Panelist.
- March 31-April 2, 1972 American Association of Suicidology, Detroit: "Non-Interactive Telephone Consultation for Acute Drug-Related Emergencies."
- August 14-19, 1972 Fifth Annual Meeting of the American Academy of Clinical Toxicology, Aspen: "Workshop: Treatment of Sedative Drug Intoxication."
- September 21-24, 1972 National Conference on Emergency Medical Systems, Disney World, Florida: "Emergency Treatment of Acute Poisoning."
- October 13, 1972 Treatment of Acute Poisoning, One-day Continuing Education Program, University of South Dakota, Vermillion: "Treatment of Drug Abuse Related Emergencies."
- December 4-5, 1972 Medical Examiner's Conference in Drug-Related Death, Research and Education Foundation of Orange County: "Relevance of Drugs to Death."
- March 22, 1973 American Society of Clinical Pharmacology and Therapeutics Symposium on Clinical Toxicology, New Orleans: "Clinical Toxicology - A Medical Specialty."

PAPERS PRESENTED AT SCIENTIFIC AND PROFESSIONAL MEETINGS AND  
CONTINUING EDUCATION: (Continued)

- July 30, 1973 American Academy of Clinical Toxicology  
Annual Meeting, San Diego: "Training  
Seminar - Treatment of Acute Intoxica-  
tion."
- December 3-5, 1973 Institute of Clinical Toxicology  
Symposium on Analytical Toxicology,  
Houston, Introductory Presentation:  
"Laboratory Support for Clinical  
Toxicology and Drug Abuse Programs."
- January 30-31, 1974 Polydrug Abuse Research Program, Denver,  
Colorado: "Polydrug Abuse Research in  
the United States: Report on Houston."
- February 8-9, 1974 Emergency Department Nurses Association,  
Houston, Texas: "Intensive Care Nursing  
for Acute Intoxication."
- February 15, 1974 Guest Seminar, Materials and Science  
Toxicology Laboratory, Memphis, Tennessee:  
"Dose Relationships and Pharmacokinetics of  
Commonly Abused Drugs."
- June 6-7, 1974 Seventh Annual Eagleville Conference,  
Eagleville, Consultant and Panelist on  
"Combined Treatment of Drug and Alcohol  
Dependence."
- June 26, 1974 Post-Graduate Training Program on Drug  
Abuse and Emergency Treatment, Lafayette  
Clinic, Detroit, Michigan.
- August 12-16, 1974 American Academy of Clinical Toxicology,  
"CNS Stimulants and Tranquilizers:  
'Clinical Response to Multiple Doses';  
'Sedative Drugs: Clinical Response to  
Multiple Doses', and 'Studies on the  
Metabolism and Disposition of Methaqualone  
in Drug Abusing Patients.'" Montreal, Canada.

PAPERS PRESENTED AT SCIENTIFIC AND PROFESSIONAL MEETINGS AND  
CONTINUING EDUCATION: (Continued)

- September 5, 1974 Cambridge Community Hospital, Cambridge, Massachusetts: "Treatment of Sedative Drug Dependence."
- October 10-11, 1974 Summary Reports from the 13 Pilot Projects, Alexandria, Virginia: "Polydrug Abuse in the United States."
- October 27-29, 1974 Drug Information Association Annual Meeting, Williamsburg, Virginia: "Information Resources for the Treatment of Acute Poisoning."
- Oct. 31-Nov. 1, 1974 National Conference for Medical Examiners, Disneyland, Anaheim, California: "Drug-Related Death."
- March 17, 1975 National Institute on Drug Abuse, Miami, Florida: Conference of Principal Investigators for National Collaborative Study on Drug Abuse Problems in the Emergency Department.
- April 4-7, 1975 National Drug Abuse Conference, New Orleans, Louisiana: "Medical Treatment and Consequences of Non-Opiate Abuse."
- April 25, 1975 School of Pharmacy, University of Arizona, Tuscon, Arizona: Seminar, "Sedative Drug Pharmacokinetics in Drug Abusing Patients."
- April 25, 1975 University of Arizona Medical School, Tuscon, Arizona: Continuing Education Program, "Drug Abuse in Middle America."
- July 1-2, 1975 Conference of Consultants to National Drug Abuse Center for Training and Resource Development. Training Materials for Drug Abuse Program Physician, Chicago, Illinois.

PAPERS PRESENTED AT SCIENTIFIC AND PROFESSIONAL MEETINGS AND  
CONTINUING EDUCATION: (Continued)

- July 10-11, 1975 Conference of Consultants to National Drug Abuse Center for Training and Resource Development. Training Materials on Drug Abuse for Primary Care Physicians, Chicago, Illinois.
- August 8, 1975 First Technical Review on Inhalant Abuse, Division of Research, National Institute on Drug Abuse, Rockville, Maryland.
- October 1-4, 1975 Third Latin-American Congress on Toxicology, San Christobal, Venezuela: Training Program on Clinical Toxicology, "Management of Acute Poisoning in the Emergency Department" and "Pesticide Poisoning."
- June 21-24, 1976 Centro Mexicano de Estudios en Farmacodependencia in conjunction with the National Institute on Drug Abuse (USA), Mexico City, Mexico: First International Symposium on Voluntary Inhalation of Industrial Solvents, "Medical Effects of Inhalant Abuse."
- August 1976 American Academy of Clinical Toxicology, Seattle, Washington: Ninth Annual Meeting.
- December 25, 1976 Toxic Substance Law Seminar, Washington D.C.
- February 14-15, 1977 Baylor College of Medicine, Continuing Education: "Occupational Pulmonary Diseases and Carcinoma of the Lung."
- March 14-15, 1977 Environmental Protection Agency Regional Seminar on Toxic Substances Central Act.
- May 12, 1977 Texas Occupational Medical Association, Houston, Texas: One-day course, "Health Effects of Air Pollution."

PAPERS PRESENTED AT SCIENTIFIC AND PROFESSIONAL MEETINGS AND  
CONTINUING EDUCATION: (Continued)

May 23-26, 1977	American Industrial Hygiene Association, New Orleans, Louisiana, Annual Meeting.
June 7-8, 1977	National Institute on Drug Abuse, San Francisco, California: " Review of Inhalant Abuse."
August 2-5, 1977	American Academy of Clinical Toxicology, St. Adele, Canada: 10th Annual Meeting.
September 12-16, 1977	Third Congress of the Latin-American Society of Toxicology, Guaruja, Brazil, South America.
September 17, 1977	World Federation of Clinical toxicology and Poison Control Centers, Guaruja, Brazil, South America.
April 11-16, 1978	American Industrial Health Conference, New Orleans, Louisiana.
May 22-26, 1978	Second Latin-American Congress on Toxicology of the Pesticides, Resistencia, Argentina, South America.
October 11-13, 1979	Baylor College of Medicine, Houston, Texas: Continuing Education Program, "Asbestos Associated Disease."
December 5-7, 1979	American College of Toxicology, Washington, D.C.
March 10-13, 1980	Society of Toxicology, Washington, D.C.: Annual Meeting.
May 13, 1980	Houston Pest Control Association, Human Response to Pesticides."
May 17, 1980	Texas Occupational Medical Association.

PAPERS PRESENTED AT SCIENTIFIC AND PROFESSIONAL MEETINGS AND  
CONTINUING EDUCATION: (Continued)

- August 4-8, 1980 American Academy of Clinical Toxicology, Annual Meeting, Minneapolis, Minnesota: "Asbestos Disease among Career Insulators" and "Legal Aspects of Clinical Toxicology."
- February 13-15, 1981 American College of Radiology, Philadelphia, Pennsylvania: "Radiography of the Pneumoconiosis."
- February 27-28, 1981 Litigation of Toxic Injury, Denver, Colorado: "Developing and Reviewing Evidence: Asbestosis" and "Medical Diagnosis, Triage of Toxic Injury Claims."
- July 16-18, 1981 University of Texas Medical School at Galveston, Galveston, Texas: Continuing Medical Education, "Chronic Toxic Chemical Effects: Asbestosis."
- Nov. 27-Dec. 7, 1981 Conference on Dibromochloropropane and National Surveillance Programs for Asbestos Disease, San Jose, Costa Rica.
- August 9-13, 1982 Internal Congress of Clinical Toxicology, Snowmass, Colorado.
- Jan 10. - Mar. 2, 1983 University of Texas Health Science Center at Houston, Houston, Texas: "Occupational Lung Diseases."
- Feb. 1 - Mar. 17, 1984 Graduate School of Public Health, University of Texas: Weekly Seminars, "Occupational Toxicology."
- March 18-22, 1985 Society of Toxicology, San Diego, California, 24th Annual Meeting.

PAPERS PRESENTED AT SCIENTIFIC AND PROFESSIONAL MEETINGS AND  
CONTINUING EDUCATION: (Continued)

- January 22, 1988 Texas A&M University - Texas Pest Control Association, College Station, Texas: PCO Workshop Program, "Dealing with a Chemophobic Society."
- March 7-10, 1991 American College of Legal Medicine, New Orleans, Louisiana; Annual Meeting.
- Apr. 27 - May 3, 1991 American College of Occupational Medicine, San Francisco, California; 1991 American Occupational Health Conference.
- March 26-28, 1992 Thirty-Second Annual Conference on Legal Medicine, San Diego, California.
- October 14, 1992 Baylor College of Medicine, Family Medicine Residency Program, Houston, Texas, "Occupational Pulmonary Disease."
- December 17, 1992 Baylor College of Medicine, Family Medicine Residency Program, Houston, Texas, "Occupational Pulmonary Exposures-Misunderstandings and Morbidity."
- September 12, 1993 North American Congress of Clinical Toxicology, Annual Conference, New York. Guest Speaker, Fellows Breakfast, "Hazardous Substances without Labels to Hazardous Labels without Substance."
- September 23-26, 1994 North American Congress of Clinical Toxicology, Annual Conference, Salt Lake City, Utah.
- September 15, 1995 North American Congress of Clinical Toxicology, Annual Conference, Rochester, New York. Guest Speaker, "The Medical Toxicologist in Dispute Resolution."
- October 28, 1996 American College of Chest Physicians, Annual Conference, San Francisco, California.

PAPERS PRESENTED AT SCIENTIFIC AND PROFESSIONAL MEETINGS AND  
CONTINUING EDUCATION: (Continued)

- September 13-16, 1997 North American Congress of Clinical Toxicology, Annual Conference, St. Louis, Missouri.
- September 10-14, 1998 North American Congress of Clinical Toxicology, Annual Conference, San Diego, California.
- August 18, 2000 Texas Association of Methadone Programs, Annual Meeting, Austin, Texas. "Methadone Treatment-Related Deaths."
- October 22, 2000 American College of Chest Physicians Postgraduate Session, "Chest Radiology for the Pulmonologist: An Interactive Symposium," San Francisco, California.
- October 23, 2000 American College of Chest Physicians Conference 2000, San Francisco, California.
- November 1-3, 2000 United States Environmental Protection Agency Course in Risk Communication, San Francisco, California.
- October 8, 2001 North American Congress of Clinical Toxicology, Annual Conference, Montreal, Canada. Presentation: "Adversarial Positions in Medical Legal Toxicology. Evaluation of the Opposing Expert."

TRAINING PROGRAMS AND SYMPOSIA ORGANIZED BY DR. COMSTOCK:

- April 30, 1970 Clinical Toxicology for the Industrial Physician, Chicago, Illinois - a one-day training program presented for the 1970 Annual Meeting of the Industrial Medical Association - 46 physicians attended.
- June 10, 1970 Pharmaceutical Industry Workshop, Washington, D.C. - a one-day training programs for members of the Pharmaceutical Industry who are responsible for consultation in Acute Intoxication - 37 attended. Mead Johnson, Warner Chilcott, G.D. Searle, Sandoz, CIBA, A.H. Robbins, Pharmaceutical Manufacturers Association, FDA, Pfizer, Carter Wallace, American Nursing Association, SKF, Atlas Chemical, Roche.

TRAINING PROGRAMS AND SYMPOSIA ORGANIZED BY DR. COMSTOCK:  
(Continued)

- October 22-23, 1970            Treatment of Acute Intoxication, San Francisco, California, Postgraduate Training Program: Reported on by Herbert Anderson in Clinical Toxicology Bulletin 2(3):3-8, July 1971. 53 persons attended from 22 states and 3 foreign countries.
- March 6, 1971                Treatment of Acute Intoxication, St. Louis, Missouri, Intensive Training Program: Reported in Clinical Toxicology Bulletin 2(4):3-10, August 1971. 64 persons attended from 18 states.
- October 19-20, 1971        Principles and Practices of Clinical Toxicology, Philadelphia, Pennsylvania, Continuing Education Program for physicians and nurses.
- October 20, 1971            Rapid Methods for Identification for Toxic Substances in the Emergency Room, Philadelphia, Pennsylvania - Organized by Sidney Kaye, Ph.D.
- May 1-2, 1972                The Treatment of Acute Intoxication and Drug Abuse Emergencies, Chicago, Illinois, Continuing Education Program.
- May 3-4, 1972                First Consortium on Endemic Lead Poisoning Chicago, Illinois - Proceedings published in Clinical Toxicology Bulletin, Vol. 3, Nos. 2 & 3, 1973. Editor: Eric G. Comstock.
- August 14-15, 1972        Delivery of Emergency Services and Consultation of Acute Poisoning, Aspen, Colorado - a continuing education program associated with the 1972 Annual Meeting of the American Academy of Clinical Toxicology.

TRAINING PROGRAMS AND SYMPOSIA ORGANIZED BY DR. COMSTOCK:  
(Continued)

- July 30, 1973                      Treatment of Acute Poisoning, San Diego, California - a continuing education program associated with the 1973 Annual Meeting of the American Academy of Clinical Toxicology.
- December 3-5, 1973                Advances in Analytical Toxicology, Houston, Texas - the first annual symposium sponsored by the Institute of Clinical Toxicology. Proceedings published in the Clinical Toxicology Bulletin, Vol. 3, No. 4, December, 1973.
- May 20-22, 1974                    Clinical Perspectives of Non-Narcotic Drug Abuse, Houston, Texas. Institute of Clinical Toxicology.
- November 4-5, 1974                Treatment of Acute Intoxication, continuing education program for American College of Emergency Physicians, Washington, D.C.
- December 9-11, 1974                Advances in Analytical Toxicology, Houston, Texas - the second annual symposium sponsored by the Institute of Clinical Toxicology.
- September 22-23, 1975            Emergency Department Drug Abuse Treatment, - a training program for emergency department personnel sponsored by the St. Louis Count office on Drug Abuse Prevention. Program Consultant and presentation of two training sessions: "Pharmacology of Drug Abuse" and "Treatment of Drug Related Emergencies." St. Louis, Missouri.
- December 5-7, 1975                Drug Analysis in Biological Fluids: The State of Art, Houston, Texas.

TRAINING PROGRAMS AND SYMPOSIA ORGANIZED BY DR. COMSTOCK:  
(Continued)

- Aug. 10 - Sept. 10, 1977      Clinical Toxicology - 24 hours of lecture for faculty on prevention, diagnosis, and treatment of diseases caused by toxic substances. School of Medicine, National University of Uruguay, Montevideo, Uruguay.
- April 11, 1978                      Toxicology for the Occupational Physician. - 6 hour continuing education course designed for the Occupational Medical Association. New Orleans, Louisiana.
- 1968 to 1985                          Introduction to Clinical Toxicology. Baylor College of Medicine, Department of Medicine - 20 hour lecture course for medical students. Presented once each month.
- 1970 to 1992                          Practice of Clinical Toxicology. Baylor College of Medicine - 1, 2 or 3 month elective, full time clinical clerkship on diagnosis, prevention and treatment of diseases caused by toxic substances. Accidental and Occupational poisoning and drug abuse.
- May 18, 1978                          Occupational Toxicology. One day seminar for Faculty of Medicine, National University of Uruguay, Montevideo, Uruguay, South America.
- May 20, 1978                          Diagnosis and Treatment of Pneumoconiosis. One day continuing education program for practising physicians. Cordoba, Argentina, South America.
- August 29, 1983                      Emergency Care of the Poisoned Patient. School of Medicine in New Orleans, Louisiana State University at Lake Charles, Louisiana.

TRAINING PROGRAMS AND SYMPOSIA ORGANIZED BY DR. COMSTOCK:  
(Continued)

- Sept. 12, - Oct. 10, 1983 Introduction to Patient-II Course.  
Department of Internal Medicine,  
Methodist Hospital, Baylor College of  
Medicine - 15 hour physical diagnosis  
course for medical students.
- September 27, 1983 Asbestos Related Lung Cancer. Pulmonary  
Medicine Section, St. Luke's Episcopal  
Hospital, Houston, Texas.  
Drs. S. Donald Greenberg, R. Thomas  
Solis, and Eric G. Comstock.
- May 19, 1984 Evaluation of Toxic Injury: The Decision-  
Making Process. Holiday Inn Medical  
Center, Houston, Texas. One day training  
program for attorneys.
- October 11-13, 1984 Human Response to Asbestos Exposure.  
Hilton Southwest, Houston, Texas. Three-  
day training program.
- September 4-5, 1986 Hazardous Materials Decontamination.  
Holiday Inn, Newark, New Jersey.
- September 11-12, 1986 Hazardous Materials Decontamination.  
Holiday Inn, Chicago, Illinois.
- April 24, 1998 Evaluation of Alcohol-Related  
Litigation. The Houstonian Hotel,  
Houston, Texas. (6.5 CLE Hours)
- May 21, 1999 Evaluation of Alcohol- and Drug-  
Related Litigation. The Houstonian  
Hotel, Houston, Texas (6.5 CLE Hours)

HOSPITAL ADMISSIONS

Ben Taub General Hospital.....1200  
Harris County Psychiatric Diagnosis Hospital..... 500  
Jefferson Davis Hospital (Drug & Alcohol Detoxification).... 300  
Center Pavillion Hospital..... 250

Texas Children's Hospital	St. Luke's Episcopal Hospital
Methodist Hospital	Bell Haven Hospital
Hermann Hospital	Rosewood General Hospital
Plaza del Oro Hospital	Memorial City General Hospital
Westbury Hospital	Texas Institute for Rehabili- tation and Research
Parkway General Hospital	Park Plaza Hospital
Twelve Oaks Hospital	St. Anthony's Hospital
Spring Branch Memorial Hospital	St. Joseph's Hospital
Sam Houston Hospital	Medical Arts Hospital
Heights Hospital	Red Bluff General Hospital
Memorial Baptist Hospital (Central)	Sharpstown General Hospital
Memorial Hospital Southwest	Citizen's General Hospital
Memorial Hospital Northwest	Bellaire General Hospital
Pasadena Bayshore Hospital	Rockglen Hospital
Pasadena General Hospital	Northshore Hospital
Tidelands Hospital	

PROFESSIONAL EXPERIENCE WITH DRUG AND ALCOHOL ABUSE/DEPENDENCE:

1946-1954, undergraduate and graduate training in analytical organic chemistry, University of California.

1958, graduated Baylor College of Medicine, M.D.

1960-1964, Director, Biometric Analytical Toxicology Laboratory, performing alcohol and drug analyses on biological fluids.

1969-1971, under contract with the Bureau of Narcotics and Dangerous Drugs, developed and field-tested a method for early Detection of drug abuse patterns in emergency departments. Currently functioning as Project DAWN (Drug Abuse Warning Network).

1972-1975, Medical Director, Harris County Psychiatric Diagnostic Clinic inpatient drug and alcohol detoxification center. Grant From Law Enforcement Assistance Administration.

1973, published methods for rapid identification of drugs and alcohol in the emergency department.

1973, established drug and alcohol analysis laboratory, Texas Southern University School of Pharmacy.

1973-1975, principal investigator, inpatient polydrug abuse research and treatment center funded by National Institute of Drug Abuse. Investigation of drug tolerance and dependence in a fourteen bed locked research ward.

1975, principal investigator, treatment methodology for drug and alcohol overdose; 1200 consecutive admissions to Ben Taub Hospital emergency department. Funded by National Institute of Drug Abuse.

1975-1977, member, grant application review committee, treatment demonstration research section, National Institute of Drug Abuse.

1976-1977, emergency department recognition and referral of alcohol-involved patients. Contract from Texas Commission on Alcoholism.

1977, U.S. State Department Fulbright Exchange Professor of Toxicology to Uruguay. Included recognition, prevention and Treatment of drug and alcohol problems.

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Curriculum Vitae  
Eric G. Comstock, M.D.

PROFESSIONAL EXPERIENCE WITH DRUG AND ALCOHOL ABUSE/DEPENDENCE:  
(Continued)

1964-present, inpatient and outpatient treatment of more than 25,250 patients, accumulating more than 8,000 patient years of substance abuse treatment.

More than 500 medical legal consultations on drug- and alcohol-Related litigation with testimony in more than 50 and Participation in Daubert/Robinson motions.

**PROFESSIONAL EXPERIENCE WITH PULMONARY TOXICOLOGY**

A very large proportion of cases attended by a medical toxicologist involve the lung both as a portal of entry into the body and as a target organ for toxic substance-mediated injury. Insight into these issues has been acquired during fifty years of training research and clinical experience with pulmonary effects of toxic substances.

- 1950-1953      Experimental studies on the distribution of particulates in the lung, U.S. Naval Research Unit, Oakland, California.
- 1953-1954      Masters degree; research on penetration of the respiratory mucosa by colloidal and particulate substances in an animal model.
- 1954-1958      Medical curriculum.
- 1958-1959      Rotating internship including anesthesiology and general medicine.
- 1959-1961      Research on the mechanism of lung injury in humans by chronic tobacco; experimental development of mechanisms to study emphysema in the human lung, Veterans' Administration Hospital, Houston, Texas.
- 1959-1961      Effects of experimental smog in an animal model using gas and particulate combinations, studies of pathophysiologic changes and pathologic changes in the lung; Department of Biochemistry, Baylor College of Medicine, U.S. Public Health service research fellowship.
- 1961-present    Clinical practice in diagnosis, treatment and prevention of diseases caused by toxic substances including acute and chronic pulmonary reactions to toxic substances resulting from occupational, environmental, and abuse practices as sources of particulates and volatile organic compounds.

Salient experience includes asbestosis, silicosis, occupational asthma, chronic obstructive Pulmonary disease, acute and chronic inflammatory and fibrotic disease, and the lung as a portal of entry for volatile substances.

TRAINING AND EXPERIENCE IN CLINICAL AND EXPERIMENTAL PATHOLOGY:

- 1949-1950 San Diego State College. Assistant instructor in medical Microbiology, 12 hours a week. One-year laboratory course.
- 1951 Naval Medical Research Unit #1, Oakland, California. Research technician, histopathology laboratory, 3 years.
- 1952 University of California at Berkeley. Graduate course in experimental pathology. 10 hours a week for one year.
- 1953 Graduate (Master's degree) research in pathology. Tissue reactions and histocytochemistry of mucus membranes of the respiratory tract after the application of particulate and colloidal materials. Research approximately 20 hours per week.
- 1953 Graduate research seminar in experimental pathology. Two hours A week for one year.
- 1954-1955 Baylor College of Medicine. Medical curriculum in Pathology.
- 1955-1958 M.D. Anderson Hospital, University of Texas, Houston, Texas. Experimental pathology. Research on malignant melanoma. Differential metabolism of amelanotic melanoma cells. Histo-cytochemistry of malignant melanoma. Assisted in all post mortem examinations of melanoma patients in 1957 and 1958.
- 1957 Publication, "Determination of Dopa Oxidase Activity in Pigmented Tissues," Amer. J. Clin. Pathol. 28:264-268, 1957. Comstock and Wynne, Section of Experimental Pathology and Bacteriology, University of Texas, M.D. Anderson Hospital and Tumor Institute, Houston, Texas.
- 1959 Publication, "Dopa Oxidase Activity and the Differential Diagnosis of Amelanotic Melanoma Tissue," Cancer Research, 19:880-883, 1959. Comstock, Wynne and Russell, Section of Experimental Pathology and Bacteriology, M.D. Anderson Hospital and Tumor Institute, University of Texas, Houston, Texas.
- 1960 Awarded Sheard Sandford Prize by American Association of Clinical Pathologists, for meritorious research on cancer performed by a medical student.

TRAINING AND EXPERIENCE IN PATHOLOGY: (Continued)

- 1960 Armed Forces Institute of Pathology. Intensive graduate training program, histochemistry, Bethesda, Maryland. One-week intensive training program in histochemical techniques in pathology.
- 1960-1961 Histochemistry of the lung during reactions to particles in toxic gases. Changes in tissue amino acid content and collagen content of the lung in humans with emphysema seen at post mortem examination and experimental models in mice using nitrogen dioxide exposure.
- 1974 Publication, "Interpretation of Post Mortem Toxicological Findings," Chapter in U.S. Department of Health, Education and Welfare, Government Printing Office No. 017-024 00591-6.
- 1978-1985 Clinical examination of approximately 1,500 patients with asbestosis/silicosis with participation in approximately 20 post mortem examinations involving lung cancer and/or mesothelioma.

PRESENTATIONS:

- Feb.9-12, 1970 American Society of Clinical Pathology, Houston, Texas. Guest speaker, "Clinical Toxicology in the Medical Examiner's Office."
- Nov.12-13, 1971 American Association of Clinical Chemists, Annual Meeting, Syracuse, New York, "Is Emergency Toxicology Laboratory Service Worth the Investment."
- Feb.8-9, 1973 Institute of Clinical Toxicology, Symposium on Analytical Toxicology, "Introduction: Laboratory Support of Clinical Toxicology and Drug Abuse Programs."

TRAINING AND EXPERIENCE IN MICROBIOLOGY:

SAN DIEGO STATE COLLEGE:

- 1947            General microbiology. 8 semester hours.  
                  Microbial intermediary metabolism. 2 semester hours.
- 1948            Medical microbiology. 10 semester hours.
- 1949            Assistant Instructor, medical microbiology. 20 hours  
                  per week for two semesters.

GRADUATE STUDIES UNIVERSITY OF CALIFORNIA BERKELEY, CALIFORNIA:

- 1950-1953        Graduate courses and seminars in bacteriology, virology,  
                  Mycology, immunology, and epidemiology with emphasis  
                  on Coccidiomycosis; School of Public Health. Total of  
                  72 semester hours.
- 1951-1953        U.S. Naval Medical Research Unit #1, Oakland,  
                  California: Dispersion and Penetration of Respiratory  
                  Tract by Particulate and Biological Particles.
- 1953            Master's degree in Bacteriology.
- 1953-1954        Graduate research: Penetration of Nasal Mucosa by  
                  Particulate and Colloidal Foreign Substances.
- 1953-1954        Cutter Laboratories, Berkeley, California; preparation  
                  Of Antiviral veterinary vaccines.
- 1954-1955        Teaching Assistant, Department of Bacteriology, Baylor  
                  College of Medicine. Published research on isolation and  
                  identification of soil micro-organisms including Anthrax.
- 1955-1958        University of Texas M.D. Anderson Cancer Center; Clinical  
                  diagnostic microbiology.
- 1960-1965        Biometric Laboratories: microbiologic quality control of  
                  lyophilized food products; preparation of custom  
                  diagnostic and therapeutic allergens including food,  
                  grasses, trees and mold.
- 1960-present     Consultation in cases of mycosis and mycotoxicosis, and  
                  diagnostic immunology, usually in the context of sick  
                  building investigation.
- 1961-present     Consultation in cases of food poisoning-related  
                  illnesses in humans.

EXPERIENCE WITH CARBON MONOXIDE POISONING:

ANALYTICAL TOXICOLOGY:

Laboratory analysis of carboxyhemoglobin is invaluable for the diagnosis and treatment of carbon monoxide intoxication. An analytical toxicology laboratory was developed to serve the Houston metropolitan area starting in 1958 and continuing through 1966, relying on undergraduate and graduate training in organic chemistry (1946 to 1954) and experience in clinical chemistry (1955 to 1960). A guide to interpretation of analytical findings was distributed to Greater Houston metropolitan emergency departments (Reference 1, "Carbon Monoxide").

While providing consultation and treatment for emergency departments in the Houston area from 1960 to 1975, a rapid method for determination of carboxyhemoglobin at the patient's bedside was developed (Reference 2, "Rapid Methods for Diagnosis of Poisoning") based on laboratory and clinical experience in the diagnosis and treatment of carbon monoxide.

Publications concerning the toxic effects of carbon monoxide have been reviewed and accumulated over 40 years in practice (See attached printout, "Carbon Monoxide Literature," articles available upon request).

Diagnosis and treatment of carbon monoxide was an important element of a 20-hour course provided by Dr. Comstock at the Baylor College of Medicine, given annually for a 20-year period. The course included discussion of primarily acute carbon monoxide poisoning as encountered in the clinical setting.

Carbon monoxide was also an important component of an intensive one- or two-day training program for clinicians, organized and presented on several occasions between 1968 and 1972 while Dr. Comstock was President and Executive Director of the American Academy of Clinical Toxicology. (Reference, "Roots and Circles, Clin. Toxicol., 1998)

Carbon monoxide is an important component in the Board examinations in medical toxicology, and its inclusion as a component of the Boards in medical toxicology was emphasized while Dr. Comstock was a member of the Board of Examiners for the American Board of Medical Toxicology, 1974 to 1979.

During more than 40 years of practice in medical toxicology, consultation has been provided in the medical-legal arena with expert opinions on causation including generation of reports and testimony on carbon monoxide on health issues related to the adverse effects of carbon monoxide on human health.

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Curriculum vitae  
Eric G. Comstock, M.D.

**EXPERIENCE WITH CARBON MONOXIDE POISONING:**

**PUBLICATIONS AUTHORED BY DR. COMSTOCK:**

Carbon Monoxide. Biometric Laboratory, 1962. Unpublished.

Rapid Analysis Suggested for Poison Diagnosis. **Clin Lab Forum,**  
**pp.2-3, Aug 1969.**

Comstock, EG. Introduction to Clinical Toxicology for Attorneys.  
**Houston Law Review, 14(1):259-273, 1977.**

Comstock EG. Treatment for Survival Prior to Death and Interpretation  
of Postmortem Toxicologic Findings. In: **Guide to the Investigation &  
Reporting of Drug-Abuse Deaths: Problems & Methods, U.S.D.H.E.W.,  
1977; Chap. 4, pp. 23-30.**

Roots and Circles in Medical Toxicology: A Personal Reminiscence.  
**Clin. Toxicol. 36(5):401-407, 1998.**