



INDIANA UNIVERSITY

BORKENSTEIN
COURSE

Center for Studies
of Law in Action

Curriculum Vitae
of
Alan W. Jones

National Board of Forensic Medicine
Department of Forensic Chemistry LINKÖPING
SWEDEN

May 2006

Biographical Note

Alan Wayne Jones, BSc, PhD, DSc, was born in Wales, UK but has lived and worked in Sweden for the past 30 years. He is employed by the Swedish government and works at the Division of Forensic Genetics and Forensic Chemistry at the National Board of Forensic Medicine, which is located in the town of Linköping, Sweden.

Besides his duties in forensic chemistry and toxicology, Dr. Jones is also an adjunct professor in Experimental Alcohol Research at the University of Health Sciences, which is also located in Linköping. Since receiving his PhD degree in 1974, Dr. Jones has been active in biological alcohol research as well as in forensic toxicology. In 1993 he was awarded a senior doctorate degree (DSc) by the University of Wales for his many published articles dealing with forensic aspects of alcohol and other drugs of abuse.

Dr. Jones has lectured widely on forensic aspects of alcohol at home and abroad and has testified as an expert witness in drunk driving trials in USA, UK, Denmark, Norway, Ireland and hundreds of times in Sweden. Dr. Jones has had considerable experience as a peer-reviewer of scientific articles and he serves on the editorial boards of several international journals devoted to biomedical alcohol research, forensic science, toxicology and legal medicine. He is author or coauthor of close to 300 papers, reviews and book chapters, most of which have appeared in well-respected scientific journals.

In recognition of his long-standing contributions to research and scholarship in the field of alcohol, drugs and traffic safety, Dr. Jones received the Widmark award from the International Council of Alcohol, Drugs and Traffic Safety (ICADTS) in 1997. His work in forensic toxicology was recognized in 2002 when he received the Rolla N. Harger award from the American Academy of Forensic Sciences (AAFS). Most recently (2004) Dr. Jones was the recipient of the Robert F. Borkenstein award by the US National Safety Council, Committee on Alcohol and other Drugs.

Contact details:

Department of Forensic Genetics and Forensic Chemistry
Artillerigatan 12
581 33 Linköping
SWEDEN

Tel. +46 13 252114,
Fax +46 13 104875
Email: wayne.jones@RMV.SE

PUBLISHED WORK

A. W. Jones, BSc, PhD, DSc.

PhD Thesis; "Equilibrium Partition Studies of Alcohol in Biological Fluids," University of Wales, Cardiff, UK, 1974, 230 pp.

DSc Thesis; Summary and reprints of 117 articles dealing with "Methods of Analysis, Distribution and Metabolism in the Body and Biological Effects of Alcohol and Narcotics, University of Wales, Cardiff, UK, 1993.

1974

1. Jones TP, Jones AW, Williams PM. Some recent developments in breath alcohol analysis. *The Police Surgeon* 6;80-86, 1974.

1975

2. Wright BM, Jones TP, Jones AW. Breath alcohol analysis and the blood/breath ratio. *Med. Sci. Law* 15;205-213, 1975.
3. Jones AW, Wright BM, Jones TP. A historical and experimental study of the breath/blood alcohol ratio, In; *Proceedings 6th International Conference on Alcohol, Drugs and Traffic Safety*, S. Israelstam and S. Lambert Eds., Addiction Research Foundation, Toronto, pp 509-526, 1975.

1976

4. Jones AW. Precision, accuracy, and relevance of breath alcohol measurements. In; *Modern Problems in Pharmacopsychiatry*, Vol 11, Edited by M. Mattila, S. Karger, Basel, pp 68-79, 1976.

1977

5. Jones AW. Micro-technique of sample dilution for determination of alcohol in blood by gas chromatography. *Analyst* 102;307-310, 1977.
6. Högman B, Bergman H, Borg S, Eriksson T, Goldberg L, Jones AW, Linde CJ, Tengroth B. Readaptation time after photo stress: alcohol induced acute and post-alcohol hangover changes in ocular readaptation time. *Psychopharmacology*, 53;165-167, 1977.

1978

7. Jones AW. Blood alcohol determination using an Alco-limiter device. *Blutalkohol*

15;89-94, 1978

8. Jones AW. A rapid method for blood alcohol determination by headspace analysis using an electrochemical detector. *J. Forensic Sci.* 23;283-291, 1978.
9. Jones AW. Rapid headspace method for ethyl alcohol determination in saliva samples. *Anal. Biochem.* 86;589-596, 1978.
10. Jones AW. The precision and accuracy of a gas chromatograph Intoximeter breath alcohol device. Part 1. In-vitro experiments. *J. Forensic Sci. Soc.* 18;75-80, 1978.
11. Jones AW. The precision and accuracy of a gas chromatograph Intoximeter breath alcohol device. Part 2. In-vivo experiments. *J. Forensic Sci. Soc.* 18;81-87, 1978
12. Jones AW, Goldberg L. Evaluation of breath alcohol instruments. 1. In-vitro experiments with Adcolmeter pocket model. *Forensic Sci. Int.* 12;1-9, 1978.
13. Jones AW. Evaluation of breath alcohol instruments. If. In-vivo experiments with Alcolmeter pocket model. *Forensic Sci. Int.* 12;11-23, 1978.
14. Jones AW. Variability of the blood:breath alcohol ratio in vivo. *J. Stud. Alc.* 39;1931-1939, 1978.

1979

15. Jones AW. Distribution of ethanol between saliva and blood in man. *Clin. Exp. Pharmacol. Physiol.* 6;53-59, 1979.
16. Jones AW. Assessment of an automated enzymatic method for ethanol determination in microsamples of saliva. *Scand. J. Clin. Lab. Invest* 38;199-203, 1979.
17. Jones AW. The reliability and performance of breath alcohol instruments in the laboratory and in the field, In; *Alcohol, Drugs and Traffic Safety. Proc. 6th Intern. Conf.* I.R. Johnston Ed., Australian Government Printing Office, Canberra, pp 293-306, 1979.
18. Jones AW. Inter- and intra-individual variations in the saliva/blood alcohol ratio during ethanol metabolism in man. *Clin. Chem.* 25;1394-1398, 1979.
19. Jones AW, Goldberg L, Ned A Effects of a sugar mixture on blood-alcohol parameters and impairment in the intact rat *Acta Pharmacol. Toxicol.* 45;345-351, 1979.
20. Jones AW, Jennings RD, Adolfson J, Hesser CM. Combined effects of ethanol and hyperbaric air on body sway and heart rate in man. *Undersea Biomed. Res.* 6;15-26, 1979.
21. Jones TP, Jones AW, Williams PM. A new method for the rapid analysis of ethanol in

breath, blood, urine and saliva, In: Alcohol, Drugs and Traffic Safety. Proceedings of the 6th International Conference, I.R. Johnston, Ed., Australian Government Printing Office, Canberra, pp 259-266, 1979.

22. Goldberg L, Jones AW, Ned A- Effects of a sugar mixture on blood-ethanol profiles and on ethanol metabolism in man. *Blutalkohol* 16;421-438, 1979.
23. Goldberg L, Jones AW, Ned A- Effects of a sugar mixture on ethanol-induced impairment of performance and behaviour in man. *Blutalkohol* 16;439-452, 1979.

1981

24. Jones AW. Quantitative relationships among ethanol concentrations in blood, breath, saliva and urine during ethanol metabolism in man. In: Alcohol, Drugs and Traffic Safety. Proc. 8th Intern. Conf. Stockholm, Sweden, L. Goldberg Ed., Almqvist & Wksell Intem., Stockholm, pp 550-569, 1981.

1982

25. Jones AW. Quantitative measurements of the alcohol concentration and the temperature of breath during a prolonged exhalation. *Acta Physiol. Scand.* 114;407-412, 1982.
26. Jones AW. How breathing technique can influence the results of breath-alcohol analysis. *Med. Sci. Law* 22;275-280, 1982.
27. Jones AW. Effects of temperature and humidity of inhaled air on the concentration of ethanol in a man's exhaled breath. *Clin. Sci.* 63;441-445, 1982.

1983

28. Jones AW, Ned A, AnggArd E. Prolonged excretion of morphine in rats during protracted abstinence; Lack of effect of naltrexone. *J. Pharmacol. Exp. Ther.* 224;419-423, 1983,
29. Jones AW, MArth G, AnggArd E. Determination of endogenous ethanol in blood and breath by gas chromatography-mass spectrometry. *Pharmacol, Biochem. Behav.* 18;Supp. 1, 267-272, 1983.
30. Jones AW, Alling C, Becker W, AnggArd E. Tolerance to ethanol in rats bred on essential fatty acid deficient diets. *Pharmacol. Biochem. Behav.* 19; 115-119, 1983,
31. Jones AW. Determination of liquid/air partition coefficients for dilute solutions of ethanol in water, whole blood and plasma. *J. Analyt Toxicol.* 7;193-197, 1983.
32. Jones AW. Role of rebreathing in determination of the blood/breath ratio of expired ethanol, *J. Appl. Physiol.* 55; 1237-1241, 1983.

33. Jones AW. Effects of fructose, glucose and mixed sugars on ethanol detoxification and blood glucose response in rats. *Med. Biol.* 61;319-323, 1983.
34. AnggArd E, Alling C, Becker W, Jones AW. Chronic ethanol exposure enhances essential fatty acid deficiency in rats. In: *Advances in Prostaglandins, Thromboxane and Leukotriene Research*, Vol. 12, B. Samuelsson, R. Paoletti & P. Ramwell Eds, Raven Press, N.Y. pp 217-222, 1983.

1984

35. Jones AW. Disposition of ethanol and its effect on rectal temperature in morphine-dependent morphine-abstinent and morphine-naive rats. *Acta Pharmacol. Toxicol.* 54;333-339, 1984.
36. Jones AW. Inter-individual variations in disposition and metabolism of ethanol in healthy men. *Alcohol* 1;385-391, 1984.
37. Jones AW, Blom Y, Bondesson U, Angg5rd E. Determination of morphine in biological samples by gas chromatography-mass spectrometry; Evidence for persistent tissue binding in rats 22 days post-withdrawal. *J. Chromatogr. Biomed. Appl.* 309;73-80, 1984.
38. Jones AW, Ostrovsky YM, Wallin A, Midtvedt T. Lack of differences in blood and tissue concentrations of endogenous ethanol in conventional and germfree rats. *Alcohol* 1;393-396, 1984.
39. Jones AW, Skagerberg S, Borg S, Angg5rd E. Time course of breath acetaldehyde concentrations during intravenous infusions of ethanol in healthy men. *Drug & Alcohol Depend.* 14;113-119,1984.
40. Alling C, Becker W, Jones AW, Angg6rd E. Effects of chronic ethanol treatment on lipid composition and prostaglandins; in rats fed essential fatty acid deficient diets. *Alcoholism; Clin. Exp. Res.* 8: 238-243,1984.

1985

41. Jones AW. Electrochemical measurement of breath-alcohol concentration-, precision and accuracy in relation to blood levels. *Clin. Chim. Acta* 146;175-183, 1985.
42. Jones AW. Evaluation of breath-alcohol instruments. III. Controlled field trial with Alcolmeter pocket model. *Forensic Sci. Int* 28; 147-156, 1985.
43. Jones AW. Evaluation of breath-alcohol instruments. IV. Roadside tests with Alcolmeter pocket model. *Forensic Sci. Int* 28;157-165,1985.
44. Jones AW. Excretion of low molecular weight volatile substances. in human breath;

Focus on endogenous ethanol. *J. Analyt. Toxicol.* 9;245-250, 1985.

45. Jones AW, Neri A. Age-related differences in blood-ethanol parameters and subjective feelings of intoxication in healthy men. *Alc & Alcohol.* 20;45-52, 1985.
46. Jones AW, SatdA, Forsander OA. Liquid/air partition coefficients of acetaldehyde; Values and limitations in estimating blood concentrations from analysis of breath. *Alcoholism: Clin. Exp. Res.* 9;461-464, 1985.
47. AnggArd E, Jones AW, Neri A. Effects of acute and chronic ethanol treatment on renal prostaglandins in the rat *Alcohol* 2;647-650, 1985.

1986

48. Jones AW. Drug alcohol flush reaction and breath acetaldehyde concentration; No interference with an infrared breath alcohol analyzer. *J. Analyt. Toxicol.* 10;98-101, 1986.
49. Jones AW. Abnormally high concentrations of methanol in breath; A useful biochemical marker of recent heavy drinking. *Clin. Chem.* 32; 1241-1242, 1986.
50. Sisfontes L, Nyborg G, Jones AW, Blomstrand R. Occurrence of short-chain aliphatic diols in human blood: Identification by gas chromatography-mass spectrometry. *Clin. Chim. Acta* 165;117-122, 1986.
51. Tarasov YA, Ostrovsky YM, Satanovskaya VI, Shishkin SN, Nefedov LJ, Gorenstein BI, Pronko PS, Jones AW. Hormonal component in the regulation of endogenous ethanol level in the body. In: *Proceedings of the 24th International Conference on Alcoholism & Drug Dependence. Alberta Alcohol & Drug Commission, 1986, pp 261-264.*
52. Schubert J, Holmqvist L, Jones AW. Alkoholbestämning i trafiknykterhetsärenden. *Advocaten* 52;159-161, 1986.

1987

53. Jones AW. Breath-acetone concentrations in fasting healthy men: Response of infrared breath alcohol analyzers. *J. Analyt Toxicol.* 11;67-69, 1987.
54. Jones AW. Elimination half-life of methanol during hangover. *Pharm. & Toxicol.* 60;217-220, 1987.
55. Jones AW. History, present status and future prospects of breath-alcohol analysis. In *Alcohol, Drugs and Traffic Safety, Proc. 10th Intern. Conf., Noordzij, P. and Roszbach, R. Eds. Excerpta Medica International Congress Series No 721, Elsevier Science, Amsterdam, 1987, pp 349-353.*
56. Jones AW. Concerning accuracy and precision of breath-alcohol measurements. *Clin.*

Chem. 33;1701-1703,1987.

57. Jones AW. Reliability of breath-alcohol measurements during the absorption state. Clin. Chem. 33;2128-2129,1987.
58. Jones AW. Rising blood alcohol defense subject to variation. DWI Journal, Law & Science, 2: December, 1987, pp 2-3.
59. Jones AW, Neiman J, Hillbom M. Elimination kinetics of ethanol and acetaldehyde in healthy men during the calcium carbimide-alcohol flush reaction. Alc. Alcohol. Supp. 1;213-217, 1987.
60. Jones AW, Ned A. Reinvestigation of Widmark's method for quantitative evaluation of blood-ethanol profiles: Influence of alcohol dose and mode of drinking. Clin. Chem. 33;1469, 1987.
61. Jones AW, Lund M, Andersson E. Identification of drinking drivers in Sweden who consume denatured alcohol preparations. In: Congener Alcohols and Their Medicolegal Significance. Edited by W. Bonte, University of Dusseldorf, 1987, pp 68-77.
62. Neiman J, Hillbom M, Jones AW, Benthin G, L6wber C. Platelet function during acetaldehyde intoxication in healthy human volunteers. Alcohol Alcohol. Supp. 1, 587-590, 1987.
63. Jones AW, Neuteboom W. Analytical methods. Report of papers presented at 10th intern. Conf. Alcohol, Drugs, and Traffic Safety, Noordzij, P. and Roszbach, R. Eds. Excerpta Medica International Congress Series No 721, Elsevier Science, Amsterdam, 1987, pp 657-662.
64. Jones AW, Skagerberg S, L6winger H. Occurrence of methanol in blood and breath after administration of ethanol: Alcoholic beverage congener or raised concentration of an endogenous metabolite? In; Congener Alcohols and Their Medicolegal Significance. Edited by W. Bonte, University of Dusseldorf, 1987, pp 173-182.
65. Neiman J, Hillbom M, Jones AW, Benthin G, L6wber C, Sipple H. Effects of a small dose of ethanol and calcium carbimide induced acetaldehyde intoxication on human platelet aggregation, associated thromboxane formation and urinary excretion of 2,3-dinor-6-keto prostaglandin F-2 alpha. J. Toxicol. Clin. Toxicol. 25:185-198, 1987.
66. Neiman J, Jones AW, Numminen H, Hillbom M. Combined effect of a small dose of alcohol and 36 hours fasting on blood-glucose response, breath-acetone profiles and platelet function in healthy men. Alcohol Alcohol. 22: 265-270, 1987.

1988

67. Jones AW. Widmark's equation: Determining amounts of alcohol consumed from blood alcohol concentration. *DWI Journal Law & Science* 3; March 1988 pp 8-12.
68. Jones AW. Breath-acetone concentrations in fasting healthy men: Further studies and effect of alcohol administration. *J. Analyt. Toxicol.* 12;75-79, 1988.
69. Jones AW. Enforcement of drink-driving laws by use of "per se" legal alcohol limits: Blood and/or breath concentration as evidence of impairment *Alcohol, Drugs & Driving* 4;99-112, 1988.
70. Jones AW. Problems and pitfalls with back-tracking BAC to the time of driving. *DWI Journal; Law & Science* 3, June 1988, pp 1-5.
71. Jones AW, Neiman J, Hillbom, M. Concentration time profiles of ethanol and acetaldehyde in human volunteers treated with alcohol sensitizing drug, calcium carbimide. *Brit J. Clin. Pharmacol.* 25;213-221, 1988.
72. Jones AW, L6winger H. Relationship between the concentrations of ethanol and methanol in blood samples from Swedish drinking drivers. *Forensic Sci. Int.*, 37;277-285, 1988.
73. Cronholm T, Jones AW, Skagerberg S. Mechanism and regulation of ethanol elimination in humans: Intermolecular hydrogen transfer and oxido-reduction in vivo. *Alcoholism: Clin, Exp. Res.* 12;583-586, 1988.

1989

74. Jones AW. Observations on the specificity of breath-alcohol analyzers used for clinical and medicolegal purposes. *J. Forens. Sci.* 34;842-847,1989.
75. Jones AW. The masurement of alcohol in blood and breath for legal purposes. In: *Human Metabolism of Alcohol, Vol. 1, Pharmacokinetics, Medicolegal and General Interests*, K. Crow and R.D. Batt Eds., CRC press, Boca Raton, Florida, 1989, pp 71-99.
76. Jones AW. Metabolism of ethanol in healthy men and women and comparison of Widmark Parameters and blood/breath ratios of ethanol between the sexes, in "Women, Alcohol, Drugs and Traffic", Edited by M. Valverius, DALCTRAF, Stockholm, 1989, pp 169-175.
77. Jones AW, Schuberth J. Computer-aided headspace gas chromatography applied to blood-alcohol analysis; Importance of on-line process control. *J. Forens. Sci.* 34;1116-1127, 1989.
78. Jones AW, Jönsson KA, Jorfeldt L. Differences between capillary and venous blood-alcohol concentrations as a function of time after drinking with emphasis on sampling

variations in left vs right arms. Clin. Chem. 35;400-404, 1989.

79. Jones AW, Holmgren P, Andersson E. Female drinking drivers in Sweden, in "Women, Alcohol, Drugs and Traffic," Edited by M. Valverius, DALCTRAF, Stockholm, 1989, pp 43-51.
80. Jones AW, Lund M, Andersson E. Drinking drivers in Sweden who consume denatured alcohol preparations; An analytical toxicological study. J. Analyt Toxicol. 13; 199-203, 1989.
81. Hiltunen AJ, Jarbe TUC, Hellström-Lindahl E, Croon LB, Jones AW. Concentrations of ethanol in rebreathed air of rats; Correlation with the discriminative stimulus effects of ethanol. Alcohol, 6; 39-43, 1989.
82. Falkensson M, Jones AW, Sörbo B. Evaluation of a pocket-size breath alcohol device for bedside diagnosis of alcohol intoxication. Clin. Chem. 35;918-921, 1989.
83. Andreasson R, Jones AW. Tribute to Professor RK Bonnichsen MD, PhD, Amer. J. Forens. Med. Pathol. 10;353-359, 1989.

1990

84. Jones AW, Skaggerberg S, Yonekura A, Sato A. Metabolic interaction between endogenous methanol and exogenous ethanol studied in human volunteers by analysis of breath. Pharmacol. & Toxicol. 65;48-53,1990.
85. Jones AW. Excretion of alcohol in urine and diuresis in healthy men in relation to their age, the dose administered and the time after drinking. Forens. Sci. Intern. 45;217-224, 1990.
86. Jones AW. Medicolegal significance of congener analysis. J. Traffic Med. 18;1 -3, 1990.
87. Jones AW. Status of alcohol absorption among drinking drivers. J. Analyt. Toxicol. 14; 198- 200,1990.
88. Jones AW. ABC of WidmarWs Beta and Rho factors. BACGRAM, No 10, May 1990, pp 8-9.
89. Jones AW. Concentration units used to report alcohol in blood and breath for medicolegal purposes. BACGRAM, No 12, November 1990, pp 1-3.
90. Jones AW. Physiological aspects of breath-alcohol measurement. Alcohol, Drugs and Driving, 6;1-25,1990.
91. Jones AW. Dilemma of a constant blood/breath ratio of alcohol in chemical test evidence of intoxication. Proc. 11 th Intern. Conf. Alcohol, Drugs and Traffic Safety, Chicago,

National Safety Council, Chicago, 1990, pp 237-244.

92. Jones AW, Jönsson KA. Evaluation of Alcolmeter (EBA) Results of in-vitro and in-vivo experiments. Proc. 11 th Intern. Conf. Alcohol, Drugs and Traffic Safety, Chicago, 1990, National Safety Council, Chicago, 1990, pp 875-882.
93. Jones AW, Jönsson KA, Williams PM. Magnitude of sampling and analytical variations in blood and breath alcohol measurements. Proc. 11 th Intern. Conf. Alcohol, Drugs and Traffic Safety, Chicago, National Safety Council, Chicago, 1990, pp 232-236.
94. Jones AW, Hahn R, Stalberg H. Distribution of ethanol and water between plasma and whole blood; Inter- and intra-individual variations after administration of ethanol by intravenous infusion. Scand. J. Clin. Lab. Invest. 50;775-780, 1990.
95. Jones AW, Jorfeldt L, Hjertherg H, Jönsson K-A. Physiological variations in blood-alcohol measurements during the post-absorptive state. J. Forens. Sci. Soc. 30;273-283, 1990.
96. Neuteboom W, Jones AW. Disappearance rate of alcohol from the blood of drunk drivers calculated from two consecutive samples; what do the results really mean? Forensic Sci. Intern. 45; 107-115, 1990.

97. Andreasson R, Jones AW. Highlights of alcohol-traffic legislation in Sweden; Tribute to Erik MP Widmark and Roger K Bonnicksen. In: Alcohol, Drugs and Traffic Safety, Proceedings of the 11th International Conference, Chicago. National Safety Council, Chicago, 1990, pp 295-301.
98. Falkensson M, Jones AW, S6rb6 B. Sjukhusens alkoholanalyser gar inte helt att lita pa: Extern kvalitetskontroll bör göras minst varje ar. Lakartidningen 87;470-473, 1990.

1991

99. Jones AW. Relationship between blood and breath-alcohol concentration for a subject absorbing alcohol at the time of testing. J. Analyt. Toxicol. 15;44-45, 1991.
100. Jones AW. Forensic science aspects of ethanol metabolism. In' Forensic Science Progress, Edited by A. Mahley and R.L. Williams, Springer Verlag, Berlin 1991, 33-90.
101. Jones AW. Top-ten defense challenges among drinking drivers in Sweden. Med. Sci. Law 31;229-238, 1991.
102. Jones AW. Concentration-time profiles of ethanol in capillary blood after drinking beer. J. Forens. Sci. Soc. 31;429-439,1991.
103. Jones AW. Limits of detection and quantitation of ethanol in specimens of whole blood analyzed by headspace gas chromatography. J. Forens. Sci. 36;1277-1279, 1991.
104. Jones AW. 2,3-butanediol in blood from drinking technical alcohol containing 2-butanone. Lancet ii 1090,1991.
105. Jones AW, J6nsson K-A, Ned A. Peak blood-alcohol concentration and time of its occurrence after rapid drinking on an empty stomach. J. Forens. Sci. 36;376-385, 1991.
106. Jones AW, Nilsson L, Gladh SA, Karlsson K, Beck-Friis J. 2,3-butanediol in plasma from an alcoholic was mistakenly identified as ethylene glycol by gas chromatographic analysis. Clin. Chem. 37;1453-1455,1991.
107. Jones AW, Hahn RG, Stalberg HP. Update on the determination of total body water by ethanol dilution; the importance of the concentration units used. Clin. Sci. 81;701-702, 1991.
108. Jones AW, Andersson R, Sakshaug J, Morland J. Possible formation of ethanol in postmortem blood specimens after antemortem treatment with mannitol. J. Analyt Toxicol. 15;157-158, 1991.
109. Jones AW, Ned A- Evaluation of blood-alcohol profiles after consumption of alcohol together with a large meal. Canad. Soc. Forens. Sci. J. 24;165-173,1991.

110. Hahn RG, Jones AW, Billing B, Stalberg HP. Expired-breath ethanol measurement in chronic obstructive pulmonary disease; implications for transurethral surgery. *Acta Anaesth. Scand.* 35;393-397, 1991.

1992

111. Jones AW. Ethanol distribution ratios between urine and capillary blood in controlled experiments and in apprehended drinking drivers. *J. Forens. Sci.* 37;21-34, 1992.
112. Jones AW. Driving under the influence of isopropanol. *J. Toxicol, Clin.Toxicol.* 30;153-155, 1992.
113. Jones AW. Alcohol in mother's milk. *New Engl. J. Med.* 326;766,1992.
114. Jones AW. Total method level of detection and quantitation in evidential breath alcohol programs. *J. Forens. Sci.* 37;1201-1202,1992.
115. Jones AW. Blood and breath alcohol concentrations. *Brit. Med. J.* 305;955, 1992.
116. Jones AW, Hahn R, Stalberg HP. Pharmacokinetics of ethanol in plasma and whole blood; Estimation of total body water by the dilution principle. *Eur. J. Clin. Pharmacol.* 42;445-448, 1992.
117. Jones AW, Beylich KM, Bjomeboe A, Ingurn J, Modand J. Measuring ethanol in blood and breath for legal purposes; Variability between laboratories and between breath-,test instruments. *Clin. Chem.* 38;743-747,1992.
118. Jones AW, L6fgren A, Eklund A, Grundin R. Two fatalities from ingestion of acetonitrile; Limited specificity of analysis by headspace gas chromatography. *J. Analyt Toxicol.* 16; 104- 106,1992.
119. Jones AW, Stemebring B. KJnetics of ethanol and methanol in alcoholics during detoxication. *Alcohol Alcohol.* 27;641-647, 1992.
120. Jönsson, K-A, Jones AW, Bostr6m L, Andersson T. Lack of effect of orneprazole, cimetidine and ranitidine on the pharmacokinetics of ethanol in fasting male volunteers. *Eur. J. Clin. Pharmacol* 42;209-212,1992.
121. Nilsson L, Jones AW. 2,3-butanediol: a potential interfering substance in the assay of ethylene glycol by an enzymatic method. *Clin. Chim. Acta.* 208;225-229, 1992.
122. Stalberg HP, Hahn RG, Jones AW. Ethanol monitoring of transurethral prostatic resection during inhalation anesthesia. *Anesth. & Analges.* 75;983-988, 1992
123. Helander A, Beck 0, Jones AW. Urinary 5HTOL/5HIAA as biochemical marker of postmortem ethanol synthesis. *Lancet* 340; 1159, 1992.

124. Hahn RG, Jones AW, Norberg A- Abnormal blood-ethanol profile associated with stress. Clin. Chem. 38;1193-1194, 1992.

1993

125. Jones AW, Sagarduy A, Ericsson E, Amqvist H. Concentrations of acetone in venous blood samples from drinking drivers, type-1 diabetic outpatients and healthy blood donors. J. Analyt. Toxicol. 17; 182-185, 1993.
126. Jones AW, Jönsson KA Recent advances in the analysis of ethanol in saliva: Evaluation of the QED device. Proceedings 12th Inter. Conf. Alc. Drugs & Traffic Safety, H.D. Utzelmann, G. Berghaus, and G. Kroj, editors, Verlag TÜV, Cologne, 1993, pp 445-451.
127. Jones AW, Jönsson KA- Determination of ethanol in breath and estimation of the blood alcohol concentration with Alcolmeter S-D2. Proceedings 12th Inter. Conf. Alc. Drugs & Traffic Safety, H.D. Utzelmann, G. Berghaus, and G. Kroj, editors, Verlag TÜV, Cologne, 1993, pp 423-429.
128. Jones AW. The impact of forensic science journals. Forens. Sci. Intern. 62;173-178,1993.
129. Jones AW. Histamine-2-receptor antagonists and serum ethanol levels. Ann. Intern. Med. 119;952,1993.
130. Jones AW. Disappearance rate of ethanol from blood in human subjects; Implications in forensic toxicology. J Forens Sci 38; 104-118, 1993.
131. Jones AW. Pharmacokinetics of ethanol in saliva; Comparison with blood and breath ethanol profiles, subjective feelings of intoxication and diminished performance. Clin. Chem. 39; 1837-1844, 1993.
132. Jones AW. Back-estimation of blood-alcohol concentration. Brit J. Clin. Pharmacol. 35;669- 670,1993.
133. Jones AW. Breath acetaldehyde concentration. Alcohol 10;325-326, 1993.

1994

134. Jones AW. Are a blood alcohol concentration of 256 mg/dl and minimal signs of impairment reliable indications of alcohol dependence? Med. Sci. Law 34;265-270, 1994.
135. Jones AW, Ned A. Age-related differences in the effects of ethanol on performance and behaviour in healthy men. Alcohol Alcohol. 29; 171-179, 1994.
136. Jones AW, Andersson L, Kopp I. Enforcement of drunk driving laws in Sweden with blood and breath alcohol concentrations as evidence for prosecution. Kriminalistik und forensische Wissenschaften 82; 11-26, 1994.

- 137. Jones AW. Concentration of endogenous ethanol in blood and CSF. *Acta Neurol. Scand.* 89;149-150, 1994.
- 138. Jones AW. Salting-out effect of sodium fluoride and its influence on the analysis of ethanol by headspace gas chromatography. *J. Analyt Tox.* 18;292-293, 1994.
- 139. Jones AW, J6nsson K-A. Between-subject and within-subject variations in the pharmacokinetics of ethanol. *Brit. J. Clin. Pharmacol.* 37;427-431, 1994.
- 140. Jones AW, Jbnsson K-A_ Food-induced lowering of blood-ethanol profiles and increased rate of elimination immediately after a meal. *J. Forens. Sci.* 39; 1084-1093, 1994.
- 141. Hahn R, Norberg A, Gabrielsson, J, Danielsson, A, and Jones AW. Eating a meal increases the rate of ethanol clearance after intravenous infusion. *Alc & Alcohol.* 29;673-677, 1994.
- 142. Gullberg RG, Jones AW. Guidelines for estimating the amount of alcohol consumed from a single measurement of blood-alcohol concentration: Re-evaluation of Widmark's equation. *Forens. Sci. Intern* 69;119-130, 1994.

1995

- 143. Hahn R, Norberg A, Jones AW. Rate of distribution of ethanol into the total body water. *Am. J. Therap.* 2;50-56, 1995.
- 144. Helander A, Beck O, Jones AW. Distinguishing ingested ethanol from microbial formation by analysis of urinary 5-hydroxytryptophol and 5-hydroxyindoleacetic acid. *J. Forensic Sci.* 40;95-98,1995.
- 145. Jones AW. Severe isopropanolemia without acetonemia: contamination of specimens during venipuncture? *Clin. Chem.* 41; 123, 1995.
- 146. Jones AW. Forensic science - Determination of alcohol in body fluids. In: *Encyclopedia of Analytical Science*, Vol. 3, Academic Press, London 1995, pp 1585-1594.
- 147. Jones AW. Pharmacokinetics of Alcohol. In: *Encyclopedia of Drugs and Alcohol*, Jerome J. Jaffe editor-in-chief, MacMillan Library Reference, New York, 1995, pp 803-808.
- 148. Jones, AW. Blood alcohol concentration, measures of. In: *Encyclopedia of Drugs and Alcohol*, Jerome J_ Jaffe, editor-in-chief, MacMillan Library Reference, New York, 1995, pp 164-167.

149. Hartelius J, Jones, AW. Sweden, drug use in. In: Encyclopedia of Drugs and Alcohol, Jerome J. Jaffe editor-in-chief, MacMillan Library Reference, New York 1995, pp 1009-1011.
150. Jones, AW. Measuring and reporting the concentration of acetaldehyde in human breath. Alcohol Alcohol- 30;271-285, 1995.
151. Andreasson R, Jones AW. Erik MP Widmark (1889-1945) Swedish Pioneer in Forensic Alcohol Toxicology. Forens. Sci. Intern. 72; 1 -14, 1995
152. Jones AW, Andersson L. Biobansf6rmation of acetone to isopropanol observed in a motorist involved in a sobriety control. J. Forens. Sci. 40;686-687, 1995.
153. Jones AW. Measuring ethanol in saliva with QED enzymatic test device: Comparison of results with blood and breath alcohol concentrations. J. Analyt. Toxicol. 19:169-174, 1995.
154. Jones, AW. Evaluating the work of forensic scientists by citation analysis (editorial). J. Forens. Sci. 40;529-530,1995.
155. Norberg A, Jones AW, Hahn RG. Pharmacokinebcs of ethanol in arterial and venous blood and in end-expired breath during vasoconstriction and vasodilatabon. Am. J. Therap. 2;954- 961,1995
156. Jones AW, Lagersson W, Tagesson C. Determination of isoprene in human breath by thermal desorption gas chromatography with ultraviolet detection: J. Chromatog. 672;1-6, 1995.
157. Jones, AW, Falkenson, M, Nilsson, L. Reliability of blood-alcohol determinations at clinical chemistry laboratories in Sweden. Scand. J. Clin. Lab. Invest 55:463-68 1995.
158. Jones, AW, Lagersson W, Tagesson C. Origins of breath-isoprene. J. Clin. Pathol. 48:979 1995.

1996

159. Jones, AW_ Some thoughts and reflections on authorship. (commentary) Alcohol Alcohol. 31;11-15,1996.
160. Jones AW, Helander A. Disclosing recent drinking after alcohol has been cleared from the body. J. Analyt. Tox 20; 141-142, 1996.
161. Andreasson R, Jones AW. Historical anecdote related to chemical tests for intoxication. Analyt. Tox. 20; 207-208, 1996.

162. Andreasson R, Jones AW. The life and work of Erik M.P. Widmark. *Am. J. Forens. Med. Pathol.* 17; 177-190, 1996.
163. Jones, AW, Ulwan, O. Low-alcohol drinks and risk of high blood-alcohol in children. *J. Tox. Clin. Tox.* 34; 349-350, 1996.
164. Jones, AW. Measuring alcohol in blood and breath for forensic purposes. A historical review. *Forens. Sci. Rev-* 8; 13-44, 1996.
165. Helander, A, Beck, O, Jones, AW. Laboratory testing for recent drinking: Comparison of ethanol, methanol and 5-hydroxytryptophol. *Clin. Chem.* 42; 618-24, 1996.
166. Jones, AW. Biochemistry and physiology of alcohol: Applications in forensic science and toxicology. In: *Medicolegal Aspects of Alcohol*, Edited by James C. Garriott, Lawyers and Judges Publishing Company, Texas, 1996, pp 85-136.
167. Jones, AW, Andersson L. Influence of age, gender, and blood-alcohol concentration on the disappearance rate of alcohol from blood in drinking drivers. *J. Forens. Sci.* 41;922-926, 1996.
168. Jones, AW, Andersson, L. Variability of the blood/breath alcohol ratio in drinking drivers. *J. Forens. Sci.* 41;916-921, 1996.
169. Jones, AW, Andersson, L, Berglund, K. Interfering substances identified in the breath of drinking drivers with Intoxilyzer 5000S. *J. Anal. Toxicol.* 20;522-527, 1996.
170. Beck, O, Helander, A, Jones, AW. Serotonin metabolism marks alcohol intake. *Forensic Urine Drug Testing*, Sept 1996, 3 pp.

1997

171. Jones, AW. Driving under the influence of alcohol and drugs: Methods of detection and enforcement strategies (in Hungarian). *Symposium on Risk Factors of Traffic Accidents including Alcohol*, Budapest, Hungary, Edited by Tibor Varga, Szeged, 1997 pp. 161-185.
172. Gullberg, RG, Andersson, L, Jones, AW. Comparison of evidential breath alcohol testing and drinking driving demographics in Sweden and the State of Washington. *J. Traffic Med-* 25;77-87, 1997.
173. Jones AW, Hahn RG Norberg A. Concentration time profiles of ethanol in arterial and venous blood and end-expired breath during and after intravenous infusion. *J. Forens. Sci.* 42; 1086-1092, 1997.
174. Jones AW. Driving under the influence of acetone. *J. Toxicol. Clin. Tox.* 35;419-21,

1997.

175. Hahn, RG, Norberg A, Jones, AW. "Over-shoot" of ethanol in the blood after drinking on an empty stomach. *Alc & Alcohol* 32;501-505 1997.
176. Jones, AW, Zdolsek, H.J., Sjöberg, F. and Lisander, B. Accelerated metabolism of ethanol in patients with bum-injury. *Alc & Alcohol* 32; 628-630, 1997.
177. Kechagias, S, Jönsson, KA, Jones, AW. Low-dose aspirin decreases blood alcohol concentrations by delaying gastric emptying. *Eur. J. Clin. Pharm.* 53;241-246, 1997.
178. Jones, AW. Forensic pitfalls in investigating the death of Diana Princess of Wales. *DWI Journal, Law & Science*, 1997, pp 9-12.
179. Jones, AW, Jönsson, KA, Kechagias, S. Effect of high-fat, high-protein, and high-carbohydrate meals on the pharmacokinetics of a small dose of alcohol. *Br. J. Clin. Pharmacol.* 44;521-526, 1997.
180. Jones, AW, Hahn, RG. Pharmacokinetics of ethanol in patents with renal failure before and after hemodialysis. *Forens Sci Intern* 90;175-183, 1997.
181. Jones, AW, Rajs J. Appreciable blood-ethanol concentration after washing abraised and lacerated skin with surgical spirits. *J Anal Toxicol* 21;587-588, 1997.
182. Jones, AW, Bendtsen P, Helander A. Urinary excretion of methanol and 5-hydroxytryptophol as biochemical markers of hangover. *Proceedings 14th International Conference on Alcohol, Drugs, and Traffic Safety, Annecy, France*, Edited by C. Mercier-Guyon, CERMT, Annecy, 1997, pp 255-264.
183. Helander, A, Jones, AW, Bendtsen, P. Urinary methanol and 5-hydroxytryptophol as biochemical markers of recent drinking after alcohol has been cleared from the body. *Proceedings XXXV TIAFT Meeting, Centre for Behavioural Toxicology, University of Padova, Italy*, 1997, pp 130-138.

1998

184. Helander A, Jones, AW. Biochemical tests for acute and chronic alcohol ingestion. Chapter 5.4, in *Drug Abuse Handbook*, Edited by S. Karch, CRC Press, Boca Raton, 1998, pp 374- 394.
185. Pounder DJ, Jones, AW. Measuring alcohol postmortem. Chapter 5.3, in *Drug Abuse Handbook*, Edited by S. Karch, CRC Press, Boca Raton, 1998, pp 356-374.

186. Jones, AW, Pounder DJ. Measuring blood-alcohol concentration for clinical and forensic purposes. Chapter 5.2, in Drug Abuse Handbook, Edited by S. Karch, CRC Press, Boca Raton, 1998, pp 327-356.
187. Jones, AW, Logan B, DUI Defenses. Chapter 13.2, in Drug Abuse Handbook, Edited by S. Karch, CRC Press Boca Raton, 1998, pp 1006-1045.
188. Jones, AW. Lack of association between urinary creatinine and ethanol concentrations and urine/blood ratios of ethanol in two successive voids from drinking drivers. J. Analyt. Toxicol. 22 184-190, 1998.
189. Jones, AW. Citation trends and practices in the Journal of Forensic Sciences as documented by ISI's Journal Citation Report. J. Forensic Sci. 43;439-444 1998.
190. Jones, AW, Helander A. Changes in the concentrations of ethanol, methanol, and the metabolites of serotonin in two successive urinary voids from drinking drivers. Forens. Sci. Intern. 93;127-134, 1998.
191. Bendtsen, P, Jones, AW, Helander A. Urinary excretion of methanol and 5-hydroxytryptophol as biochemical markers of recent drinking during the hangover state. Alc & Alcohol 33;431-33, 1998.
192. Jones, AW. Historical developments and present status of forensic toxicology in Sweden. Nordic Rettsmedisin 4;35-44,1998.
193. Jones, AW, Jbnsson K-A. Sprit som desinfektionsmedel gav noll promille i blod. Läkartidningen 38;4052, 1998.
194. Jones, AW, Sunshine, I. Roger K. Bonnicksen - A great Dane. In; Was it a poisoning? Forensic Toxicologists Searching for Answers, Edited by Irving Sunshine, 1998, pp 9-11.
195. Jones, AW, Sunshine, I. Erik MP Widmark and forensic alcohol toxicology. In; Was it a poisoning? Forensic Toxicologists Searching for Answers. Edited by Irving Sunshine, 1998, pp 81-85.
196. Jones, AW, Sunshine, I. The Swedish Story. In: Was it a poisoning? Forensic Toxicologists Searching for Answers, Edited by Irving Sunshine, 1998, pp 151-153.

1999

197. Kechagias S, Jönsson K-A, Jones, AW. Breath 'tests for alcohol in gastroesophageal reflux disease. Ann Intern Med 130; 328-9, 1999.
198. Jones, AW. The impact of Alcohol & Alcoholism among substance abuse journals. Alc & Alcohol 34;25-34,1999.

199. Hylen L, Jones AW. Likörpraliner ger utslag vid polisens alkotest. *Läkartidningen* 96;997- 998, 1999.
200. Jones, AW. Biochemical Indicators trace alcohol abuse. *Forensic Urine Drug Testing*, March 1999, pp 1-5.
201. Jones, AW. The drunkest drinking driver in Sweden; blood alcohol concentration 0.545% w/v. *J Studies Alc* 60; 400-406, 1999.
202. Kechagias, S, Jönsson, KA, Fransen T, Andersson L, Jones, AW. Reliability of breath- alcohol analysis in individuals with gastroesophageal reflux disease. *J. Forens Sci* 44; (in press) 1999.
203. Kechagias, S, Jönsson, KA, Jones, AW. Impact of gastric emptying on the pharmacokinetics of ethanol as influenced by cisapride. *Br J Clin Pharmacol* (accepted) 1999.
204. Jones, AW. Aspects of in-vivo pharmacokinetics of ethanol. *Alcohol. Clin Exp Res.* (accepted) 1999.
205. Bendtsen, P, Jones, AW. Impact of water-induced diuresis on urine-ethanol profiles, urine.- creatinine, and urine-osmolality. *J. Anal Toxicol* (accepted) 1999.
206. Jones, AW, Hylén L, Svensson E, Helander A. Storage of specimens at +41C or addition of sodium fluoride (1%) prevents formation of ethanol in urine inoculated with *Candida Albicans*. *J Anal Toxicol.* (accepted) 1999.
207. Jones, AW. Elimination half-life of acetone in man; Case reports and a review of the literature. *J Anal Toxicol* (accepted) 1999.
208. Zdolsek, HJ, Sjöberg, F, Lisander, B, Jones, AW. The effect of hypermetabolism induced by burn trauma on the ethanol oxidizing capacity of the liver. *Crit. Care Med* (accepted) 1999.
209. Jones, AW, Helander A. Time-course and reproducibility of urinary excretion profiles of ethanol, methanol and metabolites of serotonin after intravenous infusion of ethanol., *Alcohol Clin Exp Res* (submitted) 1999.
210. Bendtsen, P, Hultberg, J, Carlsson, M, Jones, AW. Monitoring ethanol exposure in a clinical setting by analysis of blood, breath, saliva, and urine. *Alcohol Clin Exp Res* (submitted) 1999.
211. Logan, BK, Jones, AW. Endogenous ethanol, the autobrewery syndrome as a drunk driving defense challenge - A critical appraisal. *Med Sci law* (manuscript) 1999.:

- 212. Jones, AW, Kechagias, S, Norberg, A. No evidence for sporadic oscillations in blood- and breath-alcohol concentrations during the post-absorptive state. *J. Anal Toxicol* (manuscript) 1999.
- 213. Norberg A, Gabrielsson J, Jones, AW, Hahn RG. Intra-individual and inter-individual variation in pharmacokinetic parameters of ethanol in breath, venous blood, and urine. *Br. J. Clin. Pharmacol.* (manuscript) 1999.
- 214. Jones, AW. Update on the analysis of ethanol in urine for clinical and forensic purposes. *J Forens Sci.* (manuscript) 1999.
- 215. Jones, AW. Time course of urine-ethanol concentration and variability in urine/blood ratios of ethanol in two successive voids from drinking drivers. *J Anal Toxicol* (manuscript) 1999.

2000

- 216. Kronstrand, R, Jones, AW. Drugs of Abuse (k) Methods of analysis. *Encyclopedia of Forensic Sciences*, Academic Press Inc., London (manuscript) 1999.