

PUBLICATIONS BY W. R. KLEMM

(Over 400)

Books

Reviews, Book Chapters

Refereed Publications

Unrefereed Publications

BOOKS

1. Klemm, W. R. 2008. *Core Ideas in Neuroscience*. Benecton Press.
(<http://neurosciideas.com>)
2. Klemm, W. R. 2008. *Blame Game. How to Win It*. Benecton Press.
3. Klemm, W. R. 2007. *'Dillos. Road Kill on Extinction Highway*. Benecton Press. 146 p.
(<http://dillos.us>)
4. Klemm, W. R. 2004. *Thank You Brain For All You Remember. What You Forgot Was My Fault*. Benecton Press, 312 pp. (<http://thankyoubrain.com>)
5. Varis, T., Utsumi, T., and Klemm, W. R. (Eds.) 2003. *Global Peace Through Global University System*. Univ. Tampere, Hämeenlinna, Finland. 518 pp.
6. Klemm, W. R. 1997. Series Editor - *Understanding Epidemiology*, by M. Torrence. Mosby-Year Book, Inc. St. Louis, Mo. 180 pp.
7. Klemm, W. R. 1997. Series Editor - *Understanding Immunology*, by J. Roth. Mosby-Year Book, Inc. St. Louis, Mo. 223 pp.
8. Klemm, W. R. 1996. *Understanding Neuroscience*. Mosby-Year Book, Inc. St. Louis, Mo.
9. Klemm, W. R., and Vertes, R. P., eds. 1990. *Brainstem Mechanisms of Behavior*, Wiley & Sons, N. Y., N. Y.

10. Klemm, W.R., ed. 1977. *Discovery Processes in Modern Biology* (People and Processes in Biological Discovery). Robert E. Krieger Publ. Co., Huntington, N.Y. 338 p.
 11. Klemm, W.R. ed. 1976. *Applied Electronics in Veterinary Medicine and Animal Physiology*, ed. by W.R. Klemm. Charles C Thomas, Springfield, Ill. 470 pp.
 12. Klemm, W.R. 1972. *Science, The Brain, and Our Future*. AIBS Science and Society Series, Edited by E.J. Kormondy. Bobbs-Merrill Co. Indianapolis, Ind. 176 pp.
 13. Klemm, W.R. 1969. *Animal Electroencephalography*. Academic Press, N.Y., N.Y. 292 p.
 14. Klemm, W.R. 1963. *Protection Against X-irradiation by Psychotropic Drugs and Adrenal-pituitary Function on Rabbit Behavior and Brain Electrical Activity*. Ph.D. Dissertation, University of Notre Dame, Indiana. 380 pp.
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Reviews, Book Chapters

Textbook Chapters

- Klemm, W. R. 1997. Electroencephalography. In Review Questions and Answers for Veterinary Boards, Clinical Sciences. 2nd Edition. Mosby. St. Louis.
- Klemm, W. R. 1993. Overview of nervous system: design and basic principles, p. 751-770. In Dukes' Physiology of Domestic Animals, 11th Edition, edited by M. J. Swenson, Cornell University Press, Ithaca, N.Y.
- Klemm, W. R. 1993. Neurophysiology of states of consciousness, p. 896-907. In Dukes' Physiology of Domestic Animals, 11th Edition, edited by M. J. Swenson and W. O. Reece, Cornell University Press, Ithaca, N.Y.
- Klemm, W. R. 1993. Behavioral physiology, p. 908-925. In Dukes' Physiology of Domestic Animals, 11th Edition, edited by M. J. Swenson and W. O. Reece, Cornell University Press, Ithaca, N.Y.

Iggo, A., and Klemm, W. R. 1993. Nerves, junctions, and reflexes, p. 771-786. In Dukes' Physiology of Domestic Animals, 11th Edition, edited by M. J. Swenson and W. O. Reece, Cornell University Press, Ithaca, N.Y.

Iggo, A., and Klemm, W. R. 1993. Somesthetic sensory mechanisms, p. 787-802. In Dukes' Physiology of Domestic Animals, 11th Edition, edited by M. J. Swenson and W. O. Reece, Cornell University Press, Ithaca, N.Y.

Klemm, W. R. 1993. Behavioral physiology, p. 908-925. In Dukes' Physiology of Domestic Animals, 11th Edition, edited by M. J. Swenson and W. O. Reece, Cornell University Press, Ithaca, N.Y.

Klemm, W. R. 1984. Design and basic functions of the nervous system, pp. 581-601. In Dukes' Physiology of Domestic Animals, 10th Ed., M. J. Swenson, ed. Cornell University Press, Ithaca, N.Y.

Klemm, W. R. 1984. Neurophysiology of consciousness, pp. 671-686. In Dukes' Physiology of Domestic Animals, 10th ed., M. J. Swenson, ed. Cornell University Press, Ithaca, N.Y.

Klemm, W. R. 1984. Behavioral physiology, p. 687-706. In Dukes' Physiology of Domestic Animals, 10th ed., M. J. Swenson, ed. Cornell University Press, Ithaca, N.Y.

Klemm, W. R. 1977. Design and basic functions of the nervous system. In Dukes' Physiology of Domestic Animals, 9th ed., M.J. Swenson, ed., Cornell University Press, Ithaca, N.Y. pp. 531-548.

Klemm, W. R. 1977. Alertness, sleep, and related states. In Dukes' Physiology of Domestic Animals, 9th ed., M.J. Swenson, ed. Cornell University Press, Ithaca, N.Y., pp. 621-639.

Klemm, W. R. 1976. The Nervous System, p. 260-287. In Life, The Individual, The Species, ed. by T.R. Lane. Mosby Co.

Klemm, W. R. 1976. Major functions of the nervous system, p. 228-313. In Life, The Individual, The Species, ed. by T. R. Lane. Mosby Co.

Klemm, W. R. 1970. Design of the nervous system, p. 849-879. In Dukes' Physiology of Domestic Animals. 8th ed. M.J. Swenson, Editor. Cornell University Press, Ithaca, N.Y.

Klemm, W. R. 1970. Sleep and wakefulness, p. 1006-1038. In *Dukes' Physiology of Domestic Animals*. 8th ed. M.J. Swenson, Editor. Cornell University Press, Ithaca, N.Y.

Alcohol Chapters

Klemm, W. R., and Yurttas, L. 1992. The dehydration theory of alcohol intoxication: relevance to treatment issues, p. 169-185. In *Drug & Alcohol Abuse Treatment*. Vol. 3, edited by R. Watson. Humana Press, Clifton, N.J.

Klemm, W. R. 1979. Effects of ethanol on nerve impulse activity. In *Biochemical Pharmacology - II*, ed. by E. Majchrowicz and E.P. Noble. Plenum Press, New York. p. 243-267.

Folger, W. R. and Klemm, W. R. 1978. Ethanol depression of responsivity of hippocampal neurons, p. 67-84. *Currents in Alcoholism*, Vol. III, edited by F.A. Seixas, Grune & Stratton, New York, N.Y.

EEG and Brain Function Chapters

Klemm, W. R., D. V. Hendrix, and S. D. Lutes. 1993. Markovian analysis of EEG phase-plane plots, p. 48-64. In *Nonlinear Dynamical Analysis of the EEG*, edited by B. H. Jansen and M. E. Brandt. World Scientific, Singapore.

Holmes, D. W., Gordon, S. S. Miller, D. C., Hendrix, D., and Lutes, S. 1993. Exploratory EEG case studies analyzed by spatial Hjorth descriptors and phase-space plots, p. 182-199. In *Nonlinear Dynamical Analysis of the EEG*, edited by B. H. Jansen and M. E. Brandt. World Scientific, Singapore.

Klemm, W. R. and Warrenburg, S. 1992. Topographical EEG maps of human responses to odorants - a preliminary report, p. 599-605. *Chemical Signals in Vertebrates*, VI, edited by R. L. Doty and D. Muller-Schwarze. Plenum Press, N.Y.

Klemm, W. R. 1989. Electroencephalography in the diagnosis of epilepsy, p. 535-557. In: *Problems in Veterinary Medicine: Epilepsy*, edited by R. J. Indrieri. J. B. Lippincott, Philadelphia.

Klemm, W. R. 1976. Electroencephalography, p. 287-351, In *Applied Electronics in Veterinary Medicine and Animal Physiology*, ed. by W.R. Klemm. Charles C. Thomas,

Springfield, IL.

Klemm, W. R. 1973. Typical electroencephalograms: vertebrates, p. 1254-1260. In *Biology Data Book, Vol. II, 2nd Ed.*, edited by P.L. Altman and D.S. Dittmer. Federation of American Societies for Experimental Biology, Bethesda, MD.

Klemm, W.R. 1966. Electroencephalographic research in the diagnosis of canine neurologic disorders, p. 77-102. In *Proc. 1st Conf. Vet. Neurol.* Oklahoma State Univ. Stillwater, Ok.

Pheromones and Chemical Signals Chapters

Klemm, W. R. 1994. Acetaldehyde fluctuates with estrus. But what does it signal? p. 389-396. In *Chemical Signals in Vertebrates, Advances in the Biosciences, Vol. 93*, ed. by R. Apfelbach, Elsevier, Amsterdam.

Klemm, W. R. 1993. Acetaldehyde as a possible marker and predictor of bovine estrus, p. 57-59. In *PR-5065. Beef Cattle Research in Texas, 1992.* Texas Agricultural Experiment Station. College Station, TX

Rivard, G., and Klemm, W. R. 1992. Gas chromatographic analysis and estrous diagnostic value of headspace sampling above bovine body fluids, p. 115-118. In *Chemical Signals in Vertebrates, VI*, edited by R. L. Doty and D. Müller-Schwarze, Plenum Press, N.Y.

Rivard, G., and Klemm, W. R. 1990. Sample contact required for complete bull response to oestrous pheromone in cattle, p. 627-633. In *Chemical Signals in Vertebrates V*, edited by D. W. MacDonald, D. Muller-Schwarze, and S. E. Natynczuk. Oxford University Press, Oxford.

Klemm, W. R. 1989. On the trail of the bovine estrous pheromone: an update, p. 28-34. In *1988 Beef Cattle Research in Texas.* Texas Agricultural Experiment Station.

Klemm, W. R., Hawkins, G. H., and de los Santos, E. 1986. A bull behavioral assay for libido and female sex pheromone. Texas Agricultural Experiment Station, publication #TA-22229.

Klemm, W. R., Sis, R. F. Jacobs, V. L., Sherry, C. J., and Chenoweth, P. J. 1981.

Reproductive behavior in beef cattle, pp. 88-89, in *Beef Cattle Research in Texas*, 1981. Texas Agric. Exp. Station, College Station, Tx.

Klemm, W. R., Sis, R. F., Jacobs, V. L., Sherry, C. J., Chenoweth, P. J. 1981. Heat detection in dairy cattle, pp. 40-45, in *Dairy Research in Texas*, 1981. Texas Agric. Exp. Station, College Station, Tx.

Sherry, C. J., Klemm, W. R., Sis, R. F., and Schake, L. M. 1982. Reproductive and feedlot behavior: the role of the vomeronasal organ. *Beef Cattle Research in Texas - 1982*. Tex. Agri. Exp. Station. College Station, Tx.

Brainstem and Behavioral Readiness/Immobility

Klemm, W. R. 1990. Historical perspectives on brainstem-mediated behaviors, In *Brainstem Mechanisms of Behavior*, p. 3-32, edited by W. R. Klemm and R. P. Vertes, Wiley & Sons, N.Y., N.Y.

Klemm, W. R. 1990. Behavioral readiness, In *Brainstem Mechanisms of Behavior*, p. 105-145, edited by W. R. Klemm and R. P. Vertes, Wiley & Sons, N.Y., N.Y.

Klemm, W. R. 1990. Behavioral inhibition, In *Brainstem Mechanisms of Behavior*, p. 497-533, edited by W. R. Klemm and R. P. Vertes, Wiley & Sons, N.Y., N.Y.

Telecommunications and Distance Education Chapters

Klemm, W. R. 2005. Use and mis-use of technology for online, asynchronous, collaborative learning, p. 172-200. In *Computer-supported Collaborative Learning in Higher Education*, edited by Tim S. Roberts. Idea Group, Melbourne.

Utsumi, T., Varis, P. T., and Klemm, W. R. (2003). *Creating Global University System*. In *Global Peace Through The Global University System*, edited by T. Varis, T. Utsumi, and William Klemm. UNESCO Chair in Global e-Learning. University of Tampere, Finland.

Klemm, W. R. (2003). Academic administration issues for the Global University System. In *Global Peace Through The Global University System*, edited by T. Varis, T. Utsumi, and William Klemm. UNESCO Chair in Global e-Learning. University of Tampere, Finland.

Klemm, W. R. (2003). Building global community over the Internet. In *Global Peace Through The Global University System*, edited by T. Varis, T. Utsumi, and William Klemm. UNESCO Chair in Global e-Learning. University of Tampere, Finland.

Klemm, W. R. 1999. Research projects and journal article case studies with asynchronous computer groupware, p. 124-127. In *Proceedings of International Conference in Mathematics/Science*, March 1-4, San Antonio, Tx. Edited by D. A. Thomas. AACE, Charlottesville, Va.

Utsumi, T., Boston, R. L., Klemm, W. R., and Miller, J. M. 1997. Low cost teleconferencing for affordable and accessible electronic distance education. In *Information Technology for Competitiveness - Experiences in Latin America and the Caribbean*, edited by G. Cyranek, J. Nascimento, S. Arruda. Chapman and Hall, London. In press.

Klemm, W. R. 1996. Integrating the World Wide Web and Non-Web Information in Computer Conferences. *Proceedings ICTE Conference, 13th International Conference on Technology and Education*, New Orleans, La.

Klemm, W. R., and Snell, J. R. 1995. Use of hypertext logic structures in computer conference teaching. *Proceedings ICTE Conference, 12th International Conference on Technology and Education*, Orlando, Florida.

Klemm, W. R., and Snell, J. R. 1995. Course design principles for teaching in computer conferencing environments, p. 87-90. In *Proceedings, Distance Education Conference, Bridging Research and Practice*. San Antonio, Tx. Jan. 25-27. Dept. Educational Human Resource Development, Texas A&M University

Klemm, W. R., and Snell, J. R. 1995. The future of computer conferencing for medical consulting, p. 45-61. In *Future Health: Computers and Medicine in the 21st Century*, edited by C. A. Pickover, St. Martin's Press.

Other Chapters

Klemm, W. R. 2004. Habenular-inerpeduncular axis: shared components in multiple-function networks. *Medical Science Monitor*. 10 (11): 261-273.

Klemm, W. R. 1990. Leadership: creativity and innovation, p. 426-439. *Concepts for Air Force Leadership*, 2nd Ed. Air University, Maxwell AFB, Ala.

Klemm, W. R. 1986. Use of computer software for idea processing. HQ. Aerospace Medical Division, U. S. Air Force

Refereed Publications

Klemm, W. R. 2008. Making science relevant with an integrated curriculum. NSTA Science Scope. March. P. 46-52.

Klemm, W. R. 2007. What good is learning if you don't remember it? J. Effective Teaching. 7 (1): 61-73.

Klemm, W. R. 2007. The lost art of discourse. EISTA. Proceedings Annual Conference (<http://www.cyber-inf.org/imsci2007/Program/html/program-5.htm>)

Holubec, B., Schmidt, S., Trevino-Anderson, M., Wingenbach, G. J., Lindner, J. R., Johnson, L., & Klemm, W. 2007. Scientists' classroom visits and middle school students' interests in science careers. NACTA Journal, 51(1), 45-51.

Klemm, W. R., Hardy, V., and Johnson, L. 2006. A free on-line teacher-requested resource service can help you enrich science and math teaching. Society for Information Technology and Teacher Education. 17th International Conference Proceedings - CD.

Klemm, W. R. 2006. Computer slide shows: a trap for bad teaching. College Teaching. In press.

Klemm, W. R. 2006. Making biology matter. Learning and Leading with Technology. 33 (8): 43-44.

Klemm, W. R. 2005. Interactive E-learning - Why Can't We Get Beyond Bulletin Boards. Educational Technology & society. 8 (3): 1-5.

Lindner, J. R., Wingenbach, G. J., Harlin, J., Li, Y., Lee, I., Jackson, R., Johnson, L., Klemm, W., Hunter, J., Kracht, J., and Kochevar, D. June 2003. Students' beliefs about science and sources of influence affecting science career choice. NACTA Journal 48 (2): 2-7

Klemm, W. R. 2002. FORUM for case study learning. *J. College Science Teaching*. 31(5): 298-302.

Klemm, W. R. 2001. Creating Online Courses: A step-by-step guide. Technology Source. May/June. <http://horizon.unc.edu/TS/default.asp?show=article&id=861>

Klemm, W. R. 2001. Behavioral arrest states: a call for study of whole-body motor inhibition mechanisms. *Progress in Neurobiology*. 65: 453-471.

Klemm, W. R., Li, T. H., and Hernandez, J. L. 2000. Coherent EEG indicators of cognitive binding during ambiguous figure tasks. *Consciousness and Cognition*. 9: 66-85.

Klemm, W. R. 2000. Book Review of: *Virtual Instruction*, Edited by Carine M. Feyten and Joyce W. Nutta. Englewood, Co: Libraries Unlimited, Inc., 1999, 262 pp *Community College Journal of Research and Practice*. 24 (5): 410-413. [Note: although a book review, this journal only publishes reviewed book reviews].

Klemm, W. R. 2000. Book review of: *The Future of Academic Freedom*. Edited by Louis Menand, Chicago, Ill., U. Illinois Press, 1996, 239 pp, paper. *Community College Journal of Research and Practice*. 24 (2): 148-149 . [Note: although a book review, this journal only publishes reviewed book reviews].

Klemm, W. R. 1999. Will distance education really revolutionize higher education? *The Technology Source*. January. ([Http://horizon.unc.edu/TS/vision](http://horizon.unc.edu/TS/vision))

Klemm, W. R. 1999. Research projects and journal article case studies with asynchronous computer groupware. *M/SET 99 Proceedings, International Conference on Mathematics/Science Education and Technology, AACE Conference, San Antonio, TX*. March 1-4.

Klemm, W. R. 1998. Biological water and its role in the effects of alcohol. *Alcohol*. 15: 249-267.

Klemm, W. R. 1998. Eight ways to get students more engaged in online conferences. *The Higher Education Journal*. 26 (1): 62-64.

Klemm, W. R. 1998. New ways to teach neuroscience: integrating two teaching styles with two instructional technologies. *Medical Teacher*. 20: 364-370.

Klemm, W. R. 1998. Using computer conferencing in teaching. *Community College J. Res. & Practice*. 22: 507-518.

Klemm, W. R. 1998. Point and click is not enough for active learning. *Proceedings, 15th International Conference on Technology and Education, Santa Fe, N.M. ICTE, Arlington, Tx.*

Ma, Weidong, A., Clement, B. A., and Klemm, W. R. 1998. Volatile compounds of bovine milk as related to the stage of the estrous cycles. *J. Dairy Sci.* 80: 3227-3233.

Ma, Weidong, and W. R. Klemm. 1997. Variations of equine urinary volatile compounds during the oestrous cycle. *Vet. Res. Commun.* 21: 437-446.

Ma, W. and W. R. Klemm. 1997. Determination of acetaldehyde in blood by solid phase extraction and high performance liquid chromatography. *Alcohol*. 14: 469-472.

Ma, Weidong, and Klemm, W. R. 1996. Cyclic changes in volatile constituents of bovine vaginal secretions. *J. Chem. Ecology*. 21: 1895-1906.

Klemm, W. R., and Utsumi, T., 1996. Affordable and Accessible Distance Education: A Consortium Initiative. *Electronic J. Instructional Science and Technology*.
[Http://cwis.usq.edu.au/electpub/e-jist/vol2no/klemm/caadehom.htm](http://cwis.usq.edu.au/electpub/e-jist/vol2no/klemm/caadehom.htm)

Klemm, W. R. 1996. Enriching computer-mediated group learning by coupling constructivism with collaborative learning. *J. Instructional Science and Technology*.
March. Accessible on-line at <http://cwis.usq.edu.au/electpub/e-jist/klemm.htm>

Klemm, W. R., and Williams, H. J. 1996. Amphiphilic bind site of ethanol in reversed lipid micelles. *Alcohol*. 13 (2): 133-138.

Ma, Weidong, and Klemm, W. R. 1995. Cyclic changes in volatile constituents of bovine vaginal secretions. *J. Chemical Ecology*. 21 (12): 1895-1906.

Klemm, W. R. 1995. Computer conferencing as a cooperative learning environment. *Cooperative Learning & College Teaching*. 5 (3): 11-13.

Klemm, W. R., and Snell, J. R. 1995. Enriching Group Creation of Computer-based Information Bases. *J. Computer Mediated Communication*. Submitted.

Klemm, W. R. 1994. Review of the paper "Brainstem sites for the carbachol elicitation of the hippocampal theta rhythm in the rat," *Sleep Reviews*, p. 33.

Klemm, W. R. and Snell, J. R. 1994. Teaching via networked PCs: what's the best medium? *Technological Horizons in Education Journal*. 22: 95-98.

Isobe, S., Hazlewood, C. F., Misra, L. K., and Klemm, W. R. 1994. Acute ethanol decreases NMR relaxation times of water-hydrogen protons in fish brain. *Alcohol*. 11: 571-576.

Klemm, W. R. 1994. Using a formal collaborative learning paradigm for veterinary medical education. *J. Vet. Med. Ed.* 21: 2-6.

Klemm, W. R., Rivard, G. F., and B. A. Clement. 1994. Blood acetaldehyde fluctuates markedly during bovine estrous cycle. *Animal Reproduction Science*. 35: 9-26.

Klemm, W. R. 1993. Are there EEG correlates of animal thinking & feeling. *Neuropsychobiology*. 26: 151-165.

Pressicce, G. A., Brockett, C. C., Cheng, T., Foote, R. H., Rivard, G. F., and Klemm, W. R. 1993. Behavioral responses of bulls kept under artificial breeding conditions to compounds presented for olfaction, taste or with topical nasal application. *Appl. Anim. Behav. Sci.* 37: 273-284.

Klemm, W. R., Bratton, G. R., Hudson, L. C. Sherry, C. J., and Dziezyc, J. 1993. A possible feline model for human blepharospasm. *Neurological Research*. 15: 41-45.

Klemm, W. R. 1993. The catalepsy of blocked dopaminergic receptors. *Psychopharmacology*. 111: 251-253.

Klemm, W. R., S. D. Lutes, D. V. Hendrix, and S. Warrenburg. 1992. Topographical EEG maps of human responses to odors. *Chemical Senses*. 17: 347-361.

Yuttras, L., Dale, B. E., and Klemm, W. R. 1992. FTIR evidence for alcohol binding and dehydration in phospholipid and ganglioside micelles. *Alc. clin. Exp. Res.* 16: 863-869.

Bratton, G. R., Klemm, W. R., Sherry, C. J., Hudson, L. C., and Dziezyc, J. 1992. Innervation of the feline eyelids. *Neurological Research*. 14: 369-374.

Cherian, L., and Klemm, W. R. 1991. Ethanol effects on total sialic acid of various brain regions and visceral organs. *Alcohol*. 8: 389-393.

Gilmore, N., Cherian, L., and Klemm, W. R. 1991. Ganglioside or sialic acid attenuates ethanol-induced decrements in locomotion, nose-poke exploration, and anxiety, but not in body temperature. *Prog. Neuro-pschopharmacol. Biol. Psychiat.* 15: 91-104.

Hsu, A. Y., Miller, G. E., O'Brien, E. M., and Klemm, W. R. 1990. Application of the fractal dimension to characterization of the electroencephalogram. *Innov. Tech. Biol. Med.* 11: 493-507.

Cherian, L., and Klemm, W. R. 1990. Effect of acute injections of ethanol on lipid and protein-bound sialic acid in mice of different ages. *Drug Alc. Depend.* 26: 29-34.

Klemm, W. R. 1990. Dehydration: a new alcohol theory. *Alcohol* 7: 49-59.

Klemm, W. R. 1989. Drug effects on active immobility responses: what they tell us about neurotransmitter systems and motor functions. *Prog. Neurobiology*. 32: 403-422.

Mathew, J., and Klemm, W. R. 1989. Differences in susceptibility of rat liver and brain sialidases to ethanol and gangliosides. *Pharmacol. Biochem. Behav.* 33: 797-803.

Mathew, J., and Klemm, W. R. 1989. Ethanol promotes hydrolysis of ³H-labeled sialoconjugates from liver and brain of mice in vitro. *Alcohol* 5: 499-503.

Rivard, G., and Klemm, W. R. 1989. Two body fluids containing bovine estrous pheromone(s). *Chemical Senses*. 14: 273-279.

Foster, D. M., Huber, M. D., and Klemm, W. R. 1989. Ethanol may stimulate or inhibit (Na⁺ + K⁺)-ATPase, depending upon Na⁺ and K⁺ concentrations. *Alcohol*. 6:437-443.

Cherian, L., Mathew, J., and Klemm, W. R. 1989. Ethanol-induced hydrolysis of brain sialoglycoconjugates in the rat: effect of sialic acid in antagonizing ethanol intoxication. *Alc. Clin. Exp. Res.* 13: 435-438.

Klemm, W. R. 1989. Electroencephalography in the diagnosis of epilepsy. *Problems in Veterinary Medicine*. 1(4): 535-557.

- Klemm, W. R., Boyles, R., Mathew, J., and Cherian, L. 1988. Gangliosides, or sialic acid, antagonize ethanol intoxication. *Life Sciences*. 43: 1837-1843.
- Klemm, W. R. 1988. Membrane glycoconjugates as potential mediators of alcohol effects. *Prog. Neuro-psychopharmacol. & Biol. Psychiatr.* 11: 633-658.
- Sukul, N. C., and Klemm, W. R. 1988. Influence of dopamine agonists and an opiate antagonist on agaricus-induced catalepsy, as tested by a new method. *Arch. Int. Pharmacodyn.* 295: 40-51.
- Sukul, N. C., Cherian, L., and Klemm, W. R. 1988. Alpha noradrenergic agonists promote catalepsy in the mouse. *Pharmacol. Biochem. Behav.* 31: 87-91.
- Klemm, W. R., Mathew, J., and Maring, R. G. 1988. Acute alcohol decreases gangliosides in mouse brain. *Alcohol*. 5: 215-219.
- Klemm, W. R., and Block, H. 1988. D-1 and D-2 receptor blockade have additive cataleptic effects in mice, but receptor effects may interact in opposite ways. *Pharmacol. Biochem. Behav.* 29: 223-229.
- Klemm, W. R. 1988. Ten ways to improve graduate teaching. *The College Board Review*. 146: 16-29.
- Klemm, W. R. 1987. Computerized data management for scientists. *J. Electrophysiol. Techniques* 14: 63-68.
- Klemm, W. R. 1987. Membrane glycoconjugates may mediate certain alcohol effects. *Solving the Puzzle of Alcoholism* 7 (10): 1.
- Klemm, W. R., Hawkins, G. H., and de los Santos, E. 1987. Identification of compounds in bovine cervico-vaginal mucus extracts. *Chemical Senses*. 12: 77-87.
- Klemm, W. R. 1987. Resolving the controversy over humaneness of decapitation sacrifice of laboratory animals. *Lab. Anim. Sci.* 37: 148-151.
- Klemm, W. R. 1985. Evidence for a cholinergic role in haloperidol catalepsy. *Psychopharmacology*. 85: 139-142.

- Klemm, W. R. 1985. Experimental catalepsy is both enhanced and disrupted by apomorphine. *Psychopharmacology* 87: 12-15.
- Klemm, W. R. 1985. Role of ion-channel blockers in DFP toxicity. *Toxicology Letters*. 25: 307-312.
- Klemm, W. R., and Foster, D. M. 1986. Alcohol, in a single pharmacological dose, decreases brain gangliosides. *Life Sciences* 39: 897-902.
- Klemm, W. R., and Foster, D. M. 1986. Effects of chronic alcohol consumption in weanling rats on brain gangliosides. *Prog. Neuro-Psychopharmacol.* 10: 697-702.
- Klemm, W. R., and Beltz, W. D. 1985. Head-mounted, 8-channel amplifier records EEG and unit activity in freely moving rats. *J. Electrophysiol. Techniques* 12: 141-149.
- Klemm, W. R. 1985. Neuroleptic-induced catalepsy: a D₂ blockade phenomenon? *Pharmacol. Biochem. Behav.* 23: 911-915.
- Klemm, W. R., Sherry, C. J., Sis, R. F., Shake, L. M., and Waxman, A. B. 1984. Evidence for a role for the vomeronasal organ in social hierarchy in feedlot cattle. *Appl. Anim. Behaviour Sci.* 12: 53-62.
- Klemm, W. R., Goodson, R. A., and Allen, R. G. 1984. Steady-state visual evoked responses in anesthetized monkeys. *Brain Res. Bull.* 13: 287-292.
- Sherry, C. J., and Klemm, W. R. 1984. What is the meaningful measure of neuronal spike train activity? *J. Neuroscience Methods.* 10: 205-213.
- Hradecky, P., Sis, R. F., and Klemm, W. R. 1983. Distribution of flehmen reactions of the bull throughout the bovine estrous cycle. *Theriogenology.* 20: 197-204.
- Klemm, W. R. 1983. Book review of: *Statistical Methods in Biology*, 2nd ed., N. T. J. Bailey, John Wiley & Sons, New York, N.Y. 1981. *J. Electrophysiol. Tech.* 10: 203-204.
- Klemm, W. R., Sherry, C. J., Schake, L. M., and Sis, R. F. 1983. Homosexual aggression in feedlot steers: a test of vomeronasal function. *Appl. Anim. Ethology.* 11: 187-195.
- Klemm, W. R., Sherry, C. J., Sis, R. F., and Morris, D. L. 1984. Electrographic recording of

field potentials of bovine vomeronasal organ under spontaneous and stimulated conditions. *Brain Res. Bull.* 12: 275-282.

Klemm, W. R. 1983. Efficacy and toxicity of drug combinations in treatment of physostigmine toxicosis. *Toxicol.* 27: 41-53.

Klemm, W. R., Goodson, R. A., and Allen, R. G. 1983. Contrast effects of the 3 primary colors on human visual evoked potentials. *Electroenceph. clin. Neurophysiol.* 55: 557-566.

Sherry, C. J., and Klemm, W. R. 1983. Stationarity, randomness, and serial dependence in neuronal spike trains. *J. Electrophysiol. Tech.* 10: 59-73.

Klemm, W. R. 1983. Experimental catalepsy: influences of cholinergic transmission in restraint-induced catalepsy. *Experientia.* 39: 228-230

Forney, E., and Klemm, W. R. 1983. Unit activity indicators of a catecholamine role in expression of morphine effects. *Prog. Neuropsychopharmacol. Biol. Psychiat.* 7: 73-82.

Klemm, W. R. 1983. Cholinergic-dopaminergic interactions in experimental catalepsy. *Psychopharmacol.* 81: 24-27

Sherry, C. J., Barrow, D. L., and Klemm, W. R. 1982. Serial dependencies and Markov processes of neuronal interspike intervals from rat cerebellum. *Brain Res. Bull.* 8: 163-169.

Sherry, C. J., and Klemm, W. R. 1982. Divergence from statistical independence in specified clusters of adjacent spike train intervals before and after drug-induced state changes. *Int. J. Neuroscience.* 17: 119-128.

Sherry, C. J., and Klemm, W. R. 1982. Failure of large doses of ethanol to eliminate Markovian serial dependencies in neuronal spike train intervals. *Int. J. Neuroscience.* 17: 109-117.

Klemm, W. R., and Sherry, C. J. 1982. Do neurons process information by relative intervals in spike trains? *Neurosci. Biobehav. Rev.* 6: 429-437.

Klemm, W. R., Goodson, R. A., and Allen, R. G. 1981. Contrast and counterphase-frequency effects of the three primary colors on human visual evoked

response. *Soc Neurosci. Abstracts.* 7: 35.

Klemm, W. R., Gibbons, W. D., Allen, R. G., and Harrison, J. M. 1982. Evaluation of alpha activity, attentiveness, and cognitive awareness of perceptual effectiveness during counter-phased visual stimulation. *Neuropsychol.* 20: 317-325.

Klemm, W. R. 1982. Time for a new synthesis of hedonia mechanisms: interaction of multiple and interdependent reinforcer systems. *The Behav. and Brain Sci.* 5: 61-62.

Klemm, W. R., and Sherry, C. J. 1981. Entropy measures of signal in the presence of noise: evidence for "byte" vs. "bit" processing in the nervous system. *Experientia* 37: 55-58.

Jacobs, V. L., Sis, R. F., Chenoweth, P. J., Klemm, W. R. and Sherry, C. J. 1981. Structures of the bovine vomeronasal complex and its relations to the palate: tongue manipulation. *Acta Anatomica.* 110: 48-58.

Klemm, W. R., Gibbons, W. D., Allen, R. G., and Harrison, J. M. 1981. Perceptual distortions in visual evoked potentials. *Amer. J. Ophthalmol.* 92: 708-713.

Klemm, W. R., and Sherry, C. J. 1981. Serial ordering in spike trains: what's it "trying to tell us"? *Int. J. Neurosci.* 14: 15-33.

Sherry, C. J., and Klemm, W. R. 1981. Entropy as an index of the "informational" state of neurons. *Int. J. Neurosci.* 15: 171-178.

Klemm, W. R. 1981. Opiate effects on nerve impulse activity. *Prog. Neuro-psychopharmacol.* 5: 1-33.

Royall, D. R., and Klemm, W. R. 1981. Dopaminergic mediation of reward: evidence gained using a natural reinforcer in a behavioral contrast paradigm. *Neuroscience Letters* 21: 223-229.

Stevens, D. R., and Klemm, W. R. 1981. Nonspecific excitatory effects of morphine: reverse-order precipitated withdrawal and dose-dose interactions. *Psychopharm.* 92: 708-713.

Jacobs, V. L., Sis, R. F., Chenoweth, P. J., Klemm, W. R., Sherry, C. J., and Coppock, C. E. 1980. Tongue manipulation of the palate assists estrous detection in the bovine.

Theriogenology. 13: 353-356

Sherry, C. J., and Klemm, W. R. 1980. A comparison of two techniques for analyzing neuronal interspike intervals: autocorrelation and inequality analysis. *Brain Res. Bull.* 5: 147-152.

Sherry, C. J., and Klemm, W. R. 1980. An information coding system that seems to be independent of noise and variability. *Brain Res. Bull.* 5: 297-300.

Wooten, W. C., and Klemm, W. R. 1980. Cholinergic involvement in morphine-induced analgesia and dependence: evaluation of tetrahydroaminoacridine. *Res. Commun. Substance Abuse.* 1: 39-47.

Klemm, W. R., and Mallari, C. G. 1980. Effects of morphine and naloxone on the responsiveness (unit and field potential) of three opiate-relevant brain areas during electrical stimulation of the substantia nigra. *Prog. Neuropsychopharmacol.* 4: 1-12.

Klemm, W. R., Gibbons, W. D., Allen, R. G., and Richey, E. O. 1980. Ocular dominance and brain lateralization effects on the visual evoked response. *Physiol. Psychol.* 8: 409-416.

Sherry, C. J., and Klemm, W. R. 1980. Entropy correlations with ethanol-induced changes in specified patterns of nerve impulses: evidence for "byte" processing in the nervous system. *Prog. Neuropsychopharm.* 4: 261-267.

Klemm, W. R., and Naugle, N. W. 1980. Oscillatory electrographic activity in the hippocampus: a mathematical model. *Neurosci. Biobehav. Rev.* 4: 437-449.

Rakshit, A., and Klemm, W. R. 1980. Depth-duration profile of the immobility reflex: theoretical implications for its triggering, sustaining, and terminating mechanisms. *J. Neurosci. Res.* 5: 253-262.

Sherry, C. J., and Klemm, W. R. 1980. The statistical relationship between the "entropy" of a neuronal sign and its variability. *Int. J. Neurosci.* 11: 109-113.

Klemm, W. R., Sherry, C. J., and Mikeska, J. A. 1980. Serial order analysis of spike trains: ethanol effects on cerebellar neurons, with and without penicillamine. *Prog. Neuro-psychopharmacol.* 4: 137-144.

Klemm, W. R., Atkinson, A. V., and Herron, R. E. 1979. Evoked EEG responses in several motor areas of brain to stimulation of hippocampus and caudate, alone and in combination. *Int. J. Neuroscience* 10: 1-5.

Stevens, D. R., and Klemm, W. R. 1979. Nonspecific excitatory effects of morphine and opiate withdrawal. *Science* 205: 1379-1380.

Klemm, W. R. and Mallari, C. G. 1979. Morphine and naloxone effects on olfactory evoked electrographic activity in the amygdala. *Archiv. Int. Pharmacodyn.* 237: 237-250.

Klemm, W. R. and Engen, R. L. 1979. Effects of ethanol on brain sialic acid and 2-deoxyribose in young rats. *J. Studies on Alcohol.* 40: 554-561.

Klemm, W. R. and Engen, R. L. 1979. Acutely administered ethanol decreases brain sialic acid and cerebellar 2-deoxyribose. *J. Neurosci. Res.* 4: 371-382.

Mikeska, J. A. and Klemm, W. R. 1979. Ethanol action on cerebellar single-unit activity, with and without pre-treatment with d-penicillamine. *Res. Commun. Psychol. Psychiatry, & Behav.* 4: 457-466

Mikeska, J. A. and Klemm, W. R. 1979. Evidence against a role of acetaldehyde in electroencephalographic signs of ethanol-induced intoxication. *Science.* 203: 276-279.

Klemm, W. R. and Mallari, C. G. 1979. Morphine and naloxone effects on spontaneous unit activity in the caudate, central grey, and amygdala. *Progress in Neuro-Psychopharmacology.* 2: 535-542.

Engen, R. L. and Klemm, W. R. 1978. Large regional and strain differences in rat brain sialic acid and 2-deoxyribose. *Experientia.* 34: 368-369.

Klemm, W. R., Dreyfus, L. R., Forney, E. and Mayfield, M. A. 1977. Morphine-induced regional and dose-response differences in multiple-unit activity in rabbits. *Neuropharmacology.* 16: 191-204.

Mallari, C. G. and Klemm, W. R. 1978. Morphine-induced regional and dose-response differences on unit impulse activity in decerebrate rats. *Psychopharmacol.* 56: 261-267.

Palmer, M. R. and Klemm, W. R. 1978. Adrenergic alteration of the morphine-induced

suppression of sciatic evoked unit responses in the central grey. *Prog. Neuropsychopharmacol.* 2: 337-347.

Folger, W. R. and Klemm, W. R. 1978. Unit responsitivity in various hippocampal layers and the depressive effects of ethanol. *Physiol. Behav.* 21: 169-176.

Klemm, W. R. and Engen, R. L. 1978. Biochemical markers of ethanol effect on brain. *J. Neurosci. Res.* 3: 341-342.

Klemm, W. R. 1978. Ethanol tolerance: evidence of "protective" effect on brains of adult rats. *J. Neurosci. Res.* 3: 353-358.

Klemm, W. R., Dreyfus, L. R., Forney, E. and Mayfield, M. A. 1977. Morphine-induced regional and dose-resonse differences in multiple-unit activity in rabbits. *Neuropharmacol.* 16: 191-204.

Smith, G. W. and Klemm, W. R. 1977. The fear hypothesis revisited: other variables affecting duration of the immobility reflex ("animal hypnosis"). *Behav. Biol.* 19: 76-86.

Peters, R. I. and Klemm, W. R. 1977. Electrophysiological signs of differential tolerance development of morphine in selected areas of the rabbit brain. *Life Science.* 20: 85-94.

Palmer, M. R. and Klemm, W. R. 1977. Differential morphine effects on evoked impulse activity in the caudate and central grey. *Brain Res. Bull.* 2: 279-287.

Palmer, M. R. and Klemm, W. R. 1977. Reciprocal thalamo-hippocampal EEG augmenting and muscle responses in rabbits. *Brain Res. Bull.* 2: 89-92.

.

Klemm, W. R. 1977. Identity of sensory and motor systems that are critical to the immobility reflex. *The Psychol. Rec.* 27: 145-159.

Klemm, W. R. 1976. Identity of sensory and motor systems that are critical to the immobility reflex ("animal hypnosis"). *J. Neurosci. Res.* 2: 57-69.

Klemm, W. R., Mallari, C. G., Dreyfus, L. R., Fiske, J. C., Forney, E. and Mikeska, J. S. 1976. Ethanol-induced regional and dose-response differences in multiple-unit activity in rabbits. *Psychopharmacol.* 49: 235-244.

Klemm, W. R., Maertens, B. and Dreyfus, L. R. 1976. A versatile electronic system for processing and quantifying neuronal impulse activity. *J. Electrophysiol. Techniques.* 5: 22-29.

Klemm, W. R., Dreyfus, L. R., Forney, E. and Mayfield, M. A. 1976. Differential effects of low doses of ethanol on the impulse activity in various regions of the limbic system. *Psychopharmacol.* 50: 131-138

Forney, E. and Klemm, W. R. 1976. The effect of ethanol on isolated cerebellum. *Res. Commun. Chem. Pathol. Pharmacol.* 15: 801-804.

Klemm, W. R. 1976. Physiological and behavioral significance of hippocampal rhythmic, slow activity ("theta rhythm"). *Prog. in Neurobiol.* 6: 23-47.

Klemm, W. R. 1976. Use of the immobility reflex ("animal hypnosis") in neuropharmacological studies. *Phys. Pharm. Behav.* 4: 85-94.

Klemm, W. R. 1976. Efficiency of handout, "skeleton" notes in student learning. *Improving College and University Teaching.* 24: 10-12.

Klemm, W. R. 1976. Hippocampal EEG and information processing: a special role for theta rhythm. *Prog. Neurobiol.* 7: 197-214.

Mikeska, J. A. and Klemm, W. R. 1975. EEG evaluation of humaneness of asphyxia and decapitation euthanasia of the laboratory rat. *Lab. Anim. Care.* 25: 175-179.

Battalio, R. C., Kagel, J. H., Rachlin, H., Green, L., Basmann, R. L. and Klemm, W. R. 1975. Experimental studies of consumer demand behavior using laboratory animals. *Economic Inquiry.* 13: 22-38.

Klemm, W. R. and Dreyfus, L. R. 1975. Septal- and caudate-induced behavioral inhibition in relation to hippocampal EEG of rabbits. *Physiol. Behav.* 15: 561-567.

Klemm, W. R. and Stevens, R. E. III. 1974. Alcohol effects on EEG and multiple-unit activity in various brain regions of rats. *Brain Res.* 70: 361-368.

Klemm, W. R. 1974. Dissociation of EEG and behavioral effect of ethanol provides evidence for a non-cholinergic basis of intoxication. *Nature.* 251: 234-236.

Klemm, W. R. and Hall, C. L. 1974. Current status and trends in veterinary electroencephalography. *J. Amer. Vet. Med. Assoc.* 164: 529- 532.

Klemm, W. R. and Douglass, J. H. 1974. Modulation of the frequency of hippocampal rhythmic, slow activity ("theta") by stimulation of other brain areas. *Physiol. Behav.* 12: 205-213.

Beaver, B. V. and Klemm, W. R. 1973. Electroencephalograms of normal anesthetized cats. *Amer. J. Vet. Res.* 34: 1441-1447.

McGraw, C. P. and Klemm, W. R. 1973. Genetic differences in susceptibility of laboratory rats to the immobility reflex ("animal hypnosis"). *Behav. Genetics.* 3: 155-162.

Prudom, A. E. and Klemm, W. R. 1973. Electrographic correlates of sleep behavior in a primitive mammal, the armadillo (*Dasypus novemcinctus*). *Physiol. Behavior.* 10: 275-282.

Klemm, W. R. 1972. Ascending and descending excitatory influences in the brain stem reticulum: a re-examination. *Brain Res.* 36: 444-452.

Klemm, W. R. 1972. Effects of electric stimulation of brain stem reticular formation on hippocampal theta rhythm and muscle activity in unanesthetized, cervical and midbrain-transected rats. *Brain Res.* 41: 331-344.

Klemm, W. R. 1972. Hippocampal theta rhythm and memory. *Science.* 176: 1449.

Klemm, W. R. and Hall, C. L. 1972. EEG pattern abnormalities in dogs with neurologic diseases. *Amer. J. Vet. Res.* 33: 2011-2025.

Klemm, W. R. 1971. EEG and multiple-unit activity in limbic and motor systems during movement and immobility. *Physiol. Behav.* 7: 337-343.

Klemm, W. R. 1971. Limbic system evoked responses during the immobility reflex ("animal hypnosis"). *Commun. Behav. Biol.* 6: 187-196.

Klemm, W. R. 1971. Physiologic studies of the immobility reflex ("animal hypnosis"), p. 165-212. In *Neurosciences Research*, Vol. 4, Edited by S. Ehrenpreis and O.C. Solnitzky. Academic Press, New York.

Klemm, W. R. and Hall, C. L. 1971. Electroencephalograms of anesthetized dogs with hydrocephalus, *Amer. J. Vet. Res.* 32: 1859-1864.

Klemm, W. R. 1971. Evoked responses in brain motor areas during the immobility reflex ("Animal hypnosis"). *Physiol. Behav.* 6: 137-144.

Klemm, W. R. 1970. Correlation of hippocampal theta rhythm, muscle activity, and brain stem reticular formation activity. *Commun. in Behav. Biol.* 5: 147-151.

Klemm, W. R. and Hall, C. L. 1970. EEG "seizures" in anesthetized dogs with neurologic diseases. *J. Amer. Vet. Med. Assoc.* 157: 1640-1655.

Klemm, W. R. 1969. ECS and estrous cycle interactions in one-trial avoidance behavior of rats. *Commun. Behav. Biol.* 4: 59-66.

Klemm, W. R. 1969. ECS effects on one-trial avoidance behavior in intact and gonadectomized male rats. *Commun. Behav. Biol.* 4: 55-58.

McBride, R. L. and Klemm, W. R. 1969. Mechanisms of the immobility reflex ("animal hypnosis"). I. Influences of repetition of induction, restriction of auditory-visual input, and destruction of brain areas. *Commun. Behav. Biol.* 3: 33-41.

Klemm, W. R. 1969. Mechanisms of the immobility reflex ("animal hypnosis"). II. EEG and multiple-unit correlates in the brain stem. *Commun. Behav. Biol.* 3: 43-52.

McGraw, C. P. and Klemm, W. R. 1969. Mechanisms of the immobility reflex ("animal hypnosis"). III. Neocortical inhibition in rats. *Commun. Behav. Biol.* 3: 53-59.

Klemm, W. R. 1968. Adjustable macro-electrode implantation device for long-term EEG studies. *Commun. Behav. Biol.* 2: 137-139.

McBride, R. L. and Klemm, W. R. 1968. Stereotaxic atlas of rabbit brain, based on the rapid method of photography of frozen, unstained sections. *Commun. Behav. Biol.* 2: 179-215.

Klemm, W. R. 1968. Possible role of estrogens in memory consolidation of females. *Commun. Behav. Biol.* 1: 109-114.

Klemm, W. R. 1968. Subjective and quantitative analyses of the electroencephalogram of anesthetized normal dogs - control data for clinical diagnosis. *Amer. J. Vet. Res.* 29: 1267-1277.

Klemm, W. R. 1968. Electroencephalograms of anesthetized dogs and cats with neurologic diseases. *Amer. J. Vet. Res.* 29: 337-351.

Klemm, W. R. 1968. Attempts to standardize veterinary electroencephalographic techniques. *Amer. J. Vet. Res.* 29: 1895-1900.

Klemm, W. R. and Bolton, G. R. 1967. Comparative evaluation of systemic coagulants in dogs. *Arzneimittel-Forschung (Drug Research)*. 17: 1573-1574.

Jensen, E. C. and Klemm, W. R. 1967. Clinical evaluation of the analeptic, doxapram, in dogs and cats. *J. Amer. Vet. Med. Assoc.* 150: 516-525.

Klemm, W.R. 1967. Enhanced healing of skin wounds in dogs with systemically and topically administered drugs. *Experientia*. 23: 55-57.

Draper, D. C. and Klemm, W. R. 1967. Behavioral responses associated with animal hypnosis. *Psychol. Rec.* 17: 13-21.

Klemm, W.R. and Mallo, G. 1966. Clinical electroencephalography in anesthetized small animals. *J. Amer. Vet. Med. Assoc.* 148: 1038-1042.

Klemm, W.R. 1966. A method to encourage extensive study of animal hypnotic behavior. *J. Exp. Anal. Behav.* 9: 63-64.

Klemm, W.R. 1966. Electroencephalographic-behavioral dissociations during animal hypnosis. *Electroenceph. Clin. Neurophysiol.* 21: 365-372.

Klemm, W.R. and Hembrough, F.B. 1966. Inexpensive monitoring of cardiovascular and respiratory functions during surgery. *J. Amer. Vet. Med. Assoc.* 149: 1297-1302.

Klemm, W. R. 1966. Physiologic responses to equivalent doses of doxapram and various analeptic combinations in acute barbiturate narcosis in dogs. *Toxicol. Appl. Pharmacol.* 8: 505-511.

Klemm, W. R. 1966. Evaluation of effectiveness of doxapram and analeptic combinations. *J. Amer. Vet. Med. Assoc.* 148: 894-899.

Klemm, W. R. and Bachofer, C. S. 1965. Psychotropic drug and adrenal-ityitary influences on radiation-induced changes in brain electrical activity and behavior. *Rad. Res.* 24: 201-213.

Klemm, W.R. 1964. Carbon dioxide anesthesia in cats. *Amer. J. Vet. Res.* 25: 1201-1205.

Klemm, W.R. 1964. Simplified method for stereotaxic implantation of electrodes in brain. *Amer. J. Vet. Res.* 25: 1564-1566.

Klemm, W.R. 1964. A square-wave electrical anesthesia current generator. *Anesthesiology.* 25: 718-719.

Klemm, W.R. and O'Leary, T. 1964. Comparison of electrical parameters and the quality of electrical anesthesia. *Anesthesiology.* 25: 776-780.

Pollard, M., Sharon, N. and Klemm, W.R. 1963. Transient sensitivity of intracellular psittacosis virus to x-rays. *Nature.* 198: 313-314.

Klemm, W.R. 1963. Adrenocortical side-effects of drugs that act on the brain. *Small Animal Clinician.* 3: 657-660.

Sharon, N., Pollard, M. and Klemm, W.R. 1963. Psittacosis-infected cell system for studies on radiation damage. *J. Bacteriol.* 86: 1139-1144.

Klemm, D.M. and Klemm, W.R. 1959. A history of anthrax. *J. Amer. Vet. Med. Assoc.* 135: 458-462.

Klemm, W.R. 1959. Canine sebaceous gland carcinoma. *J. Amer. Vet. Med. Assoc.* 135: 433-434.

Unrefereed Publications

Klemm, W. R., Johnson, L., and Hardy, V. 2006. Enrich science and math teaching with a

free online teacher-requested resource service. Proceedings Society for Information Technology and Teacher Education. March 20-24.

Klemm, W. R. 2005. Synchronous oscillations. *The Scientist*. Dec. 5, p. 8.

Klemm, W. R. 2005. While you teach them how the brain remembers, teach them how to remember. *Soc. Neuroscience. Abstracts*

Klemm, W. R. Articles About PEER in Texas Science Education Monthly, 2004 [6]

January - Age-appropriate Scientist Biographies

February - Web-based Instruction in Cell Biology

March - Using Environmental Health to Teach Middle School Science

April - Water Quality - Web-based Instruction for Middle Schools

May - Get Smart, An Electronic Flash Card Learning System

June - Wings Across Texas - Scientist Visits to Rural Texas

Lindner, J. R., Wingenbach, G. J., Harlin, J., Li, Y., Lee, I., Jackson, R., Johnson, L., Klemm, W., Hunter, J., Kracht, J., and Kochevar, D. (Submitted, 2003). Factors influencing beliefs about science and career choice. In J. Cano, & L. Millder (Eds.), *Proceedings of the 30th National Agricultural Education Research Conference*, Orlando, FL.

Gerst, T., Li, Y. Haba, S., Elbert, C. Johnson, L., Lindner, J. R., Klemm, W. Hunter, J., Kracht, J., and Kochevar, D. 2003. Exploration of a middle school web-based curriculum in environmental and health science. *Proc. Annual International Distance Education Conference*.

Price, J. E., Lindner, J. R. Wingenbach, G., Johnson, L., Klemm, W., Kochevar, D., Hunter, J., and Kracht, J. 2003. Increasing student learning through integrated curricular materials: Partnership for environmental education and rural health (PEER). *Proc. 19th Annual Conference of the Assoc. For International Agricultural and extension Education*. Raleigh, N.C.

Klemm, W. R. 2003. Graph revisionism. *The Scientist*. Oct. 20.

Klemm, W. R. 2001. Book review of *Facilitating Online Learning, 2000*, by G. Collison, et al. Atwood Publishing, Madison, Wi. In *Community College Journal of Research and Practice*.

Klemm, W. R. 2001. Preparing teachers to complement middle-school curricula with Web-based environmental health resources. Soc. Information Technology and Teacher Education, annual meeting, Orlando, Fla.

Klemm, W. R. 2001. MATRIX: A new software design for on-line discussions and work groups. Texas Distance Learning Association, Houston, TX. (Also served as Higher Education Track Chairman).

Klemm, W. R. 2000. What's wrong with on-line discussions - and how to fix it. Webnet 2000 World Conference. San Antonio, Tx.

Klemm, W. R. 2000. Neuroscience study sets in an electronic flash-card system. Soc. Neuroscience Abstracts.

Li, T. - H. and Klemm, W. R. 2000. Detection of cognitive binding during ambiguous figure tasks by wavelet coherence analysis of EEG signals. International Conference on Pattern Recognition. Barcelona, Spain. September 3-8.

Foster, D. M., Egle, M. E., Foster, B. M., and Klemm, W. R. 2000. What are "optimal conditions" for testing effects of drugs on cell membrane bound receptors? The Center for Drug Discovery Symposium. Baylor University, March 24.

Klemm, W. R. 2000. The major promise of distance education is on campus. Ed-Media 2000. Montreal. June 26-July 1.

Klemm, W. R. 2000. Administering Interactive Study Questions Via PCs or the Internet. Texas Distance Learning Association. San Antonio, TX April 11.

Klemm, W. R. 2000. Get Smart - A New Web-based Learning Assistant. Texas Computers in Education Association annual meeting, Austin, Tx. Feb. 9

Klemm, W. R. 2000. PhD production: a global perspective. The Scientist. Jan. 10, p. 31.

Klemm, W. R. 1999. Your photographic memory. Forum Enterprises Inc. (<http://www.foruminc.com/getsmart/memory.htm>)

Klemm, W. R. (Editor) 1999. Undergraduate research at Texas A&M University. Texas A&M Chapter of Sigma Xi.

Klemm, W. R. 1999. Teaching students to be creative and insightful. Soc. Neuroscience Abstracts. 25 (1): 265 (abstract 104.28).

Klemm, W. R. 1999. I'm not your mother duck. The downside of educational technology. Association for the Advancement of Computers in Education. Proceedings SITE99 Conference, Society for Information Technology and Teacher Education, San Antonio, Feb 28, 1999. Session 1034 Abstract and poster. Also Sigma Xi Forum, Nov. 4-5, Minneapolis.

Klemm, W. R. 1999. Use of hypertext collaboration software for cooperative learning, case studies, and special project. Proceedings SITE99 Conference, Society for Information Technology and Teacher Education, San Antonio, Feb 28, 1999. Session 1034 Abstract and poster.

Klemm, W. R. 1999. Adjusting to the demands for and of distance education. Texas Association of Registrars. Lubbock, Nov. 7.

Klemm, W. R. 1999. Computer conferencing application to small-group learning. Texas Computer Education Association.

Klemm, W. R. 1998. Analytical model for teaching research report analysis. Abstracts Soc. for Neuroscience, Abstract #96.16. Vol. 24 (1): 243.

Klemm, W. R. 1998. Coherent EEG during ambiguous figure perception. Soc. Neuroscience Abstracts. 24 (1): p. 243 (abstract 96.16)

Klemm, W. R. 1998. Assessing pain in dogs. J. Amer. Vet. Med. Assn. 212: 795.

Klemm, W. R. 1998. Point and click is not enough for active learning. Proceedings, 15th International Conference on Technology and Education. Santa Fe, NM.

Klemm, W. R. 1997. Computer-assisted constructivist activities for learning science. SW & Rocky Mountain AAAS Meeting, College Station, TX. Abstract.

Klemm, W. R. 1997. Computer conferencing: talk is cheap, action counts. Texas Adult Education and Technology Conference, Houston, TX. Abstract.

Klemm, W. R. 1997. Using hyperlink conferencing: Integrating instructivism with constructivism. Texas Education Agency Business Education Professional Improvement Conference. Austin, Tx. Abstract.

Klemm, W. R. 1997. Benefits of collaboration software for on-line teaching. In Proceedings, 2nd Annual Teaching in the Community Colleges Online Conference. <http://leahi.kcc.hawaii.edu/org/tcc-conf/press/klemm.html>

Lamb, C. E., and Klemm, W. R. 1997. Computer conferencing in mathematics classrooms: distance education - the long and short of it. *Texas Mathematics Teacher*. Submitted. (Preliminary version published in *Proceedings 4th Annual National Distance Education Conference*, Corpus Christi, Tx., p. 89-93).

Klemm, W. R. 1997. Computer-assisted constructivist activities for learning science. AAAS Southwest and Rocky Mountain Division Annual Meeting, May 18-22. Abstract. In press.

Klemm, W. R. 1997. Benefits of collaboration software for on-site classes. *Teaching in the Community Colleges Online Conference*.
<http://leahi.kcc.hawaii.edu/org/tcc-conf/pres/klemm.html>

Klemm, W. R. and Ma, W. 1996. Urinary odor profiles during equine estrus and diestrus. *Soc. Neurosci. Abstracts*.

Klemm, W. R. 1996. Benefits of collaboration software for on-site classes. *Teaching in the Community Colleges On-line Conference*. <Http://leahi,kcc.hawaii.edu/org/tcc-conf/pres/klemm.html>

Klemm, W. R. 1996. Teaching neuroscience in a combined on-site and distance education environment. *Soc. Neuroscience Abstracts*. 22 (1): 249.

Klemm, W. R. and Snell, J. R. 1995. Integrating the World Wide Web with Local Area Network Computer Conferences. 13th International Conference on Technology and Education. Abstract. Submitted.

Klemm, W. R. 1995. A new way to teach neuroscience. *Soc. Neuroscience*. Abstract 101.2, p. 247.

Klemm, W. R., and Snell, J. R. 1995. Use of hypertext logic structures in computer conference teaching. *Proceedings ICTDE Conference*, 12th International Conference on Technology and Education, Orlando, Florida. Abstract

Klemm, W. R., and Snell, J. R. 1994. Team learning on networked computers. *Networked*. Abstract.

Klemm, W. R., and Snell, J. R. 1994. Experiences at Texas A&M with a logically structured, hypertext-based computer conferencing environment. *Distance Education Research*. Abstract.

Klemm, W. R., 1994. Teaching a neuroanatomical systems course in a computer conference environment. Abstract. First World Congress on Computational Medicine, Public Health & Biotechnology. April 24-28.

Klemm, W. R. 1994. Using computer conferencing to teach neuroscience. Soc. for Neuroscience. Abstract 90.7.

Klemm, W. R. and Williams, H. J. 1994. Amphipathic binding site of ethanol in reversed lipid micelles. Soc. for Neuroscience. Abstract 360.1.

Klemm, W. R. 1993. Collaborative learning using computer conferencing. American Association for Adult and Continuing Education. Abstract.

Klemm, W. R. 1993. Time for a new genre of veterinary textbooks. Association of American Veterinary Anatomists meeting, St. Paul, Minnesota, Abstract.

Dennis, L. W., and Klemm, W. R. 1993. NMR studies of ethanol and water on reversed lipid micelles. Society for Neuroscience Abstracts, Part 1., p. 381.

Klemm, W. R. 1993. Water and alcohol as competing allosteric ligands for membrane surfaces. Gordon Conference. Abstract.

Klemm, W. R. 1993. Acetaldehyde: it may not be a pheromone but it does seem to be a marker for bovine estrus. 25th Conference on Reproductive Behavior, Michigan State University, East Lansing. Abstract.

Klemm, W. R. 1992. On the trail of the bovine estrous pheromone. 1st Annual meeting of the Behavioral Neuroscience Society, San Antonio, Tx. Abstract.

Klemm, W. R. 1992. Proving the dehydration theory of alcohol intoxication & its relevance to treatment issues. Annual meeting of the Texas Research Society for Alcoholism. Abstract.

Klemm, W. R., Lutes, S. D., Hendrix, D. V., and Warrenburg, S. 1992. Topographical EEG maps of human responses to odors. 14th Meeting Assoc. Chemoreception Sciences. Chem. Senses. Abstract.

Klemm, W. R., Misra, L. K., Cao, H., and Hazlewood, C. F. 1992. NMR evidence for ethanol-induced reduction in mobility of water molecules from fish brain. Soc. Neuroscience Abstracts. Abstract #3076.

Klemm, W. R. 1993. Review questions in electroencephalography. In Review Questions & Answers for Veterinary Boards, P. W. Pratt, editor. American Veterinary Publications, Inc. Goleta, CA.

Yurttas, L., Dale, B. E., and Klemm, W. R. 1992. Butanol binding and water displacement in DPPC and ganglioside micelles. *Alc. clin. exp. Res. Abstract* 221, p. 391.

Yuttras, L., Dale, B. E., and Klemm, W. R. 1991. FTIR evidence for alcohol dehydration and ganglioside micelles. *Res. Soc. Alcoholism. Abstract.*

Klemm, W. R. 1991. Does dehydration cause drunkenness? *U. S. Journal.* January.

Klemm, W. R., and Barrow, D. L. 1990. Spatio-temporal coding in the EEG: beyond auto- and cross correlation. *Proceedings, Conference on Temporal Correlations and Temporal Coding in the Brain.* Institut des Neurosciences, Paris.

Klemm, W. R. 1990. Anatomy of the animal "mind:" topographic mapping of brain waves. *Amer. Assoc. Vet. Anat. Abstract.*

Cherian, L., and Klemm, W. R. 1990. Physical stress, epinephrine, dextrose, & insulin increase bound sialic acid of mouse brain. *Neurosci. Abstracts. Abstract* 116.8.

Cherian L., and Klemm, W. R. 1989. Acute ethanol action on lipid- and protein-bound sialic acid: age-dependent effects. *Soc. Neurosci. Vol. 15, Abstract* 224.5.

Klemm, W. R., Sherry, C. J., and Bratton, G. R. 1989. A feline model of human blepharospasm: preliminary results. *Amer. Assoc. Vet. Anat. annual meeting, Gainesville, Fla. Abstract.*

Klemm, W. R. 1989. Dehydration: a new theory for the mechanism of ethanol intoxication. *Alc. Clin. Exp. Res. 13 (2):312. Abstract.*

Klemm, W. R. 1988. Search for the bovine estrous pheromone - overview and update. *20th Conf. Reprod. Behav. Abstract.*

Boyles, R., Mathew, J., Cherian, L., and Klemm, W. R. 1988. Gangliosides, or sialic acid, antagonize ethanol intoxication. *Soc. Neurosci. Abstracts. 14 (1): 42.*

Mathew, J., and Klemm, W. R. 1988. Ethanol-induced hydrolysis of sialoconjugates in mouse brain slices. *Soc. Neurosci. Abstracts. 14 (1): 706.*

Bratton, G. R., Hudson, L. C., Klemm, W. R., and Dziezyc, J. 1988. The origins of innervation of the feline eyelids. Amer. Vet. Med. Assoc. Abstract.

Mathew, J., Cherian, L., and Klemm, W. R. 1988. Is intoxication caused by ethanol-induced hydrolysis of brain sialogangliosides? Proc. Tex. Pharmacologists. 12: 5. Abstract.

Rivard, G. and Klemm, W. R. 1988. Two newly discovered body fluids containing bovine estrous pheromone(s). FASEB J. 2(6): Abstract 12232.

Klemm, W. R. 1987. Book review of: Electrophysiological Techniques in pharmacology, Vol. 3, edited by H. M. Geller. Alan R. Liss Inc., N.Y., N.Y. 1986. J. Electrophys. Tech. 14: 140-141.

Mathew, J., and Klemm, W. R. 1988. Ethanol-induced liberation of sialic acid, without sialidase activation, in rat liver slices. Soc. Neurosci. Abstracts. 13 (1): 505.

Klemm, W. R. 1988. Book review of: Effective Animal Care and Use Committees, ed. by H. J. Baker. The FASEB Journal. 2:276-277.

Klemm, W. R., and Posell, R. M. 1987. Low, but not high, acute doses of alcohol decrease gangliosides in mice. The Physiologist. 30 (4): 141. Abstract.

Klemm, W. R. 1987. Decapitation of lab animals: is it humane? Fed. Proc. 46 (3): 343 (abstract 154).

Klemm, W. R., Hawkins, G. H., and de los Santos, E. 1986. Volatile compounds in cervico-vaginal mucus of cows that is sexually exciting to bulls. Fed. Proc. 45 (3): 157 (abstract).

Foster, B. L., Foster, D. M., and Klemm, W. R. 1986. A simplified, automated assay for Na⁺,K-ATPase: a coupled ATPase-Pi procedure. Fed. Proc. 45(6): 1652 (abstract).

Foster, D. M., and Klemm, W. R. 1986. In vitro, ethanol (ETOH) stimulates or inhibits Na⁺,K⁺-ATPase depending on Na⁺/K⁺ ratios. Fed.Proc. 45 (6): 1488 (abstract).

Klemm, W. R. 1986. Alcohol-blasted membranes: the glycoconjugate connection. Alc. Drug Res. 7: 119 Abstract.

Klemm, W. R. 1985. Gangliosides: the "dark horse" in the race for understanding of molecular neuropharmacology Texas Pharmacology Society. Abstract

Foster, D. M., and Klemm, W. R. 1985. Ethanol at pharmacological levels differentially affects Na^+ , K^+ -ase dependent upon Na^+/K^+ concentrations. *Alcohol and Drug Research* 6: 57 (abstract).

Klemm, W. R. 1985. Alcohol action on membrane lipids and their imbedded macromolecules. *Amer. Assoc. Clinical Chemistry, Texas meeting* (abstract).

Klemm, W. R., and Block, H. 1986. Neuroleptic-induced catalepsy: D-1 receptor blockade phenomenon? *Soc. Neurosci. Abstracts* 12 (2): 1142.

Klemm, W. R., and Foster, D. M. 1985. Membrane mechanisms of alcohol effect -- the ganglioside connection. *Alcohol and Drug Research* 6: 59 (abstract).

Foster, D. M., and Klemm, W. R. 1985. Ethanol at pharmacological levels may stimulate Na^+ -, K^+ -ATPase activity associated with its intracellular side. *Texas Soc. Pharmacol. Abstract.*

Klemm, W. R. 1985. Acute alcohol reduces brain gangliosides. *Fed. Proc.* 44 (4): 1089. Abstract.

Klemm, W. R., and Foster, D. M. 1985. Chronic alcohol fails to alter brain gangliosides. *Soc. Neurosci.* 11(1): 297 (abstract).

Klemm, W. R. 1984. Nigro-striatal EEG and unit activity during catalepsy induced by 3 classes of drugs. *Fed. Proc.* 43 (4): 926 (abstract 3752).

Klemm, W. R. 1984. Catalepsy requires intact cholinergic function, but can be caused by apomorphine. *Soc. Neurosci. Abstracts.*

Klemm, W. R. 1984. Book review of: *Neural Coding of Motor Performance*, edited by J. Massion, J. Paillard, W. Schultz, and M. Wiesendanger. Springer-Verlag, N.Y. 1983, 348 pp. *J. Electrophysiol. Tech.* 11: 213-214.

Sherry, C. J., Klemm, W. R., and Barrow, D. L. 1982. The Markov order of interspike intervals recorded from rat cerebellar neurons: correlations with measures of central tendency and variability. *Soc. Neuroscience Abstracts.* 7: 139.

Klemm, W. R. 1982. Cholinergic involvement in experimental catalepsy. *Fed. Proc. Abstracts.* 41: 1363.

Sherry, C. J., and Klemm, W. R. 1982. Do serial dependencies in neuronal spike trains preclude randomness? *Soc. Neurosci. Abstracts.* 8: 738.

Klemm, W. R., Sherry, C. J., Sis, R. F., and Morris, D. L. 1982. EEG-like signals from the bovine vomeronasal organ. *Soc. Neurosci. Abstracts*. 8: 201.

Klemm, W. R. 1983. Dopaminergic-cholinergic interactions in experimental catalepsy. *Fed. Proc. Abstracts*. 42: 769.

Klemm, W. R., Schake, L. M., and Sis, R. F. 1983. Aggression and homosexual behavior in feedlot steers. *Neurosci. Abstracts*. 9 : 978.

Klemm, W. R., and Sherry, C. J. 1980. Strategy and methods for "breaking neural codes". *Soc. Neurosci. Abstracts* 6: 175.

Sherry, C. J., and Klemm, W. R. 1980. Entropy correlations with drug-induced changes in specified patterns of nerve impulses: evidence for "byte" vs. "bit" processing in the nervous system. *Soc. Neurosci. Abstracts* 6: 126.

Klemm, W. R., and Sherry, C. J. 1981. Messages in the brain: "scrambling" by alcohol. *Alcoholism: Clin. Exp. Res.* 5: Abstract.

Stevens, D. R., and Klemm, W. R. 1979. Naloxone-morphine precipitated withdrawal in non-dependent mice. *Fed. Proc. abstract* 1897.

Sherry, C. J., and Klemm, W. R. 1979. Is the nervous system a "bit" or a "byte" processor?: an evaluation of the Markov chain length of interspike intervals. *Soc. Neuroscience Abstracts* 5: 1684.

Klemm, W. R., and Sherry, C. J. 1979. An information coding system that seems to be independent of noise and variability. *The Physiologist* 22: 70 (abstract).

Jacobs, V. L., Sis, R. F., Chenoweth, P. J., Klemm, W. R., and Sherry, C. J. 1980. Anatomical features of the bovine vomeronasal complex. *Soc. Neurosci. Abstracts* 6: 305.

Klemm, W. R. and Sherry, C. J. 1979. Independence of interspike interval variability and serially ordered interval patterns: evidence for a cybernetic coding mechanism. *Texas Neurosci. Soc. Abstracts*.

Klemm, W. R., Naugle, N. W., and Barnwell, G. 1979. Mathematical model of neuronal function in various subpopulations of the hippocampus. *Soc. Neuroscience*. 5: 915 (abstract).

Klemm, W. R., and Sherry, C. J. 1979. Statistical evaluation of ethanol effects on sequential patterns of spike intervals from cerebellar cortex neurons in rats. Fed. Proc. abstract 2785.

Klemm, W. R. 1979. Neurophysiology crossword puzzle. The Physiologist. 22: 52-54.

Sherry, C. J. and Klemm, W. R. 1979. Autocorrelation and inequality testing: an examination of relative merits. Texas Neurosci.Soc. Abstract.

Klemm, W. R. and Mallari, C. G. 1978. Morphine and naloxone effects on spontaneous and evoked EEG and unit impulse activity - tests for topographic and diurnal differences. Neurosci. Abstracts. 4: 134.

Rakshit, A. and Klemm, W. R. 1978. Depth-duration relations during the immobility reflex ("animal hypnosis"). Texas Soc. Neurosci. Abstract.

Klemm, W. R. and Engen, R. L. 1977. Sialic acid/2-deoxyribose as biochemical markers for regional differences in brain effect of acute and chronic ethanol. Neuroscience Abstracts. 3: 442.

Klemm, W. R. 1977. Animal hypnosis as a tool in laboratory animal care and research. Proc. Amer. Assoc. Lab. Animal Science, Texas Branch. Abstract.

Folger, W. R. and Klemm, W. R. 1977. Ethanol depression of responsivity of hippocampal neurons. Alcoholism. Clin. Exp. Res. 1: 151. Abstract.

Mikeska, J. A. and Klemm, W. R. 1977. Differential EEG effects of single-pulse injections and continuous infusion of acetaldehyde in rats and relation to ethanol EEG effects. Fed. Proc. Abstract 235.

Klemm, W. R. 1977. Book review of: Explaining the Brain, by W. Ritchie Russell, Oxford University Press. 1975. Bioscience. 27: 52.

Klemm, W. R. 1976. Teaching physiology with "Citation Index". The Physiology Teacher. 5(4): 8-9.

Palmer, M. R. and Klemm, W. R. 1976. Morphine effects on centrally and peripherally evoked multiple-unit activity. Neuroscience Abstracts. 2: 821.

Klemm, W. R. 1976. Differential effects of morphine on multiple-unit activity of specific brain areas. Fed. Proc. 35: 385. Abstract.

Klemm, W. R. 1975. Model for information processing reactions of the hippocampus. Fed. Proc. 34: 396. Abstract.

Klemm, W. R. 1975. Regional differences in ethanol effect on multiple-unit activity. Neuroscience Abstracts. 1: 287.

Klemm, W. R. 1974. A new, chronic experimental procedure for electrographic study of neuropharmacological mechanisms. Proc. Soc. Neurosci. Abstract #356.

Klemm, W. R. 1974. Modularized, self-paced instruction in a graduate neurophysiology course. The Physiology Teacher 3: 13-14.

Klemm, W. R. 1974. Paradoxical intoxication: evidence for a noncholinergic action of alcohol. Fed. Proc. Abstract.

Klemm, W. R. 1974. Paradoxical intoxication: evidence for a noncholinergic action of alcohol. Fed. Proc. 33: 553. Abstract.

Klemm, W. R. and Douglass, J. H. 1973. Frequency modulation of hippocampal oscillation. Fed. Proc. Abstract.

Klemm, W. R. and Stevens, R. E. III. 1973. Regional differences in nerve impulse activity in response to alcohol. Proc. Soc. Neuroscience. Abstract 28.4.

Klemm, W. R. 1972. Use of "behavioral objectives" and "audio-visual tutorial" methods in the teaching of physiology. The Physiology Teacher. 1(7): 4-5.

Klemm, W. R. and Prudom, A. E. 1972. Sleep behavior in a primitive mammal, the armadillo. The Physiologist. 15: 191. Abstract.

Klemm, W. R. 1972. Hippocampal theta rhythm and muscle activation patterns in response to stimulation of the reticular formation. Fed. Proc. Abstract #3417.

Klemm, W. R. 1971. Book review of: Protein Metabolism of the Nervous System, edited by A. Lajtha. Plenum Press, New York and London. 1970. Bioscience. 21: 395.

Klemm, W. R. 1971. Brain stem reticular formation: ascending and descending excitatory effects. Fed. Proc. Abstract #108.

Klemm, W. R. 1970. Book review of: The Interneuron, by M.A.B. Brazier. University of California Press, Berkeley. 1969. Bioscience. 20: 1075.

Klemm, W. R. 1970. What is the real significance of hippocampal theta rhythm? *The Physiologist. Abstract.* 13: 242.

Klemm, W. R. 1970. Book review of: *Neuroendocrinology*, by W.F. Ganong and L. Martini. Oxford University Press. 1969. *Bioscience.* 20: 729 - 730.

Klemm, W. R. 1969. Brain stem electrographic correlates of the immobility reflex ("animal hypnosis"). *Fed. Proc. Abstract #3161.*

Klemm, W. R. 1969. Sex Hormone effects on memory consolidation. *The Physiologist. Abstract.* 12: 271.

Klemm, W. R. 1969. Animal "hypnosis", an experimental model of EEG-behavioral dissociations. *Electroenceph. Clin. Neurophysiol. Abstract.* 26: 336.

Klemm, W. R. 1969. Electroencephalography in small animal medicine. *Southwestern Veterinarian.* 22: 93-98.

Klemm, W. R., McBride, R. L. and McGraw, C. P. 1968. Brain systems controlling the motor inhibition of animal hypnosis. *Fed. Proc. Abstract #347.*

Klemm, W. R. 1967. Enhancement of memory consolidation by female sex hormones. *Fed. Proc. Abstract #54.*

Klemm, W.R. 1964. Book review of: *The Rhinencephalon and Related Structures.* *Progress in Brain Research.* Vol. 3, edited by W. Bargmann and J.P. Schade'. Elsevier, Amsterdam. 1963. *American Scientist.* 52: 448A.

Klemm, W.R. 1964. Book review of: *Brain Mechanisms.* *Progress in Brain Research,* Vol. 1, edited by G. Moruzzi, A. Fessard, and H.H. Jasper. Elsevier, Amsterdam. 1963. *Amer. Scientist.* 52: 416A.

Klemm, W.R. 1958. Differential diagnosis of bovine encephalitides. *Auburn Veterinarian.* 14: 191-196.

Klemm, W.R. 1957. *Your Guide to Efficient Study.* Interfraternity Council, Auburn University, Auburn, Alabama. 40 pp.

Klemm, W.R. 1956. Selling the veterinary profession. *Vet. Med.* 51: 584-590.

Publications

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