

EMR Bioeffects Biblio. Submission  
4<sup>th</sup> List

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1 Jan 79

✓ ATHEY, T.W., TELL, R.A., HANKIN, N.N., LAMBDIN, D.L., MANTIPLY, E.D., & JAMES, D.E. (1978), Tech. Rept., U.S. Environmental Protection Agency (#EPA-520/2-77-008), (May), "Radiosfrequency radiation levels and population exposure in urban areas of the eastern United States."

✓ BASSETT, C.A.L. (1978) In: Metabolic Surgery, (Suchwald, H., & Varco, R.L., eds.), Pub. by Grune & Stratton, Chapt. 11, 255-306, "Pulsing electromagnetic fields; A new approach to surgical problems."

✓ BINI, M., CHECCUCCI, A., IGNESTI, A., MILLANTA, L., RUBINO, N., CAMICI, G., MANNO, G., & RAMPONI, G. (1978), J. of Microwave Power, 13 (1): 95-99 (Mar.), "Analysis of the effects of microwave energy on enzymatic activity of lactate dehydrogenase (LDH)."

✓ CARPENTER, R.L. (1977), In: Section 9, entitled 'Reactions to Environmental Agents' (EE, D.H.K, section ed.), of the Handbook of Physiology, copyright American Physiology Society, Bethesda, MD, (distributed by the Williams and Wilkins Co., Baltimore, MD) Chapt. 7, p. 111-125, "Microwave radiation." [Review of some bioeffects.]

✓ DODGE, C.H., & GLASER, Z.R. (1977), J. of Microwave Power 12 (4): 319-334 "Trends in nonionizing electromagnetic radiation bioeffects research and related occupational health aspects."

FOX, J.W.C., RAPP, T.L., & WAGNER, D.W. (2)

(1978), AANA [Amer. Assoc. of Nurse Anesthetists] J., ~~October~~ 46 (5): 501-506, Oct., "OR [Operating Room] RF -- The second factor", [Chronic exposure to RF radiation and to trace quantities of anesthetic gases in the operating room is described].

FRAZER, J.W., et al. (1976), Rept., School of Aerospace Medicine (Brooks AFB, TX), (AD ~~4032-179~~ #A032-179), (Sept.), 19 pp., "Thermal responses to high-frequency electromagnetic radiation fields." [Exposure of monkeys to 1000, 750, 500 mW/cm<sup>2</sup> at 26 MHz for 6 hrs]

FRÖHLICH, J. (1975), Proc. <sup>of the</sup> Nat. Acad. Sci., 72 ( ): 4211, "The extraordinary dielectric properties of biological materials and the action of enzymes."

GUPTA, K.C., & BAHL, I.J., (1978), Microwaves, 17 (6): 52-53, 56, 58-60, & 62-64. "RF applicators find jobs on farms, in factories."

HATHAWAY, J.A., STERN, N., SOLES, E.M., & LEIGHTON, E., (1977), J. of Occupational Medicine, 19 (10): 683-688 (Oct. 1977) "Ocular medical surveillance on microwave and laser workers."

LÖVSUND, P., & MILD, K.H., (1978), National Board of Occupational Health and Safety, Sweden, Investigation Report #38, 21 pp. "Low frequency electromagnetic fields around some induction heaters".

✓ MAGIN, R.L., & KANTOR, G. (1977) *J. of Bioengineering* 1 ( ): 493-509 "Comparison of the heating patterns of small microwave (2450 MHz) applicators".

PORTELA, A., LLOBERA, O., MICHAELSON, S.M., STEWART, P.A., PÉREZ, J.C., GUERRERO, A.H., RODRIGUEZ, C.A., & PÉREZ, R.J. (1978), Final Rept. to the Office of Naval Research, Dept. of the Navy; the Comando General de la Armada Argentina; the Comando General del Ejercito, Direccion General de Investigacion y Desarrollo, Ministerio de Defensa, Republica Argentina; and the U.S. Atomic Energy Commission, (Jan.), "Transient effects of low level microwave irradiation on bioelectric muscle cell properties and on water permeability and its distribution."

RENO, V.R., & de LORGE, J.O. (1977) *IEEE Trans. on Biomed. Engr.*, *BME* ( ): 201-203 (Mar.), "A primate-restraint device for use in microwave biological research".

✓ STUCHLY, M.A. (1977) *J. of Microwave Power* 12 (4): 369-381 "Potentially hazardous microwave radiation sources - a review".

✓ SOSNITSKY, A.P. (1976), Rept., Naval Postgraduate School (Monterey, CA), (AD# A032-367), (Sept.), 74pp., "Source and biological effects of nonionizing electromagnetic radiation."

✓ TELL, R.A. (1978) *Tech. Note*, U.S. Environmental Protection Agency, Office of Rad. Programs, ORP-EAD '78-2, 45pp., "An analysis of radiofrequency and microwave absorption data with consideration of thermal safety standards".

TELL, R.A., & MANTIPLY, E.D. (1978), U.S. (4)  
Environmental Protection Agency,  
Office of Rad. Programs, <sup>Report</sup> ORP/EAD 78-5  
(June) ~~1978~~, 29 pps. "Population  
exposure to VHF and UHF broadcast  
radiation in the United States".

✓  
TELL, R.A. (1977), Technical Note, U.S.  
Environmental Protection Agency,  
#ORP-EAD-77-3 (Mar.), 10 pps, "An  
analysis of radar exposure in the  
San Francisco area".

✓  
WATSON, J., & DOWNS, E.M. (1978), Japanese  
J. of Appl. Phys., 17 (1): 215 (Jan.),  
"The application of pulsed magnetic  
fields to the stimulation of  
bone healing in humans".

✓  
WEBB, S.J. (1976), In: Nutrition: Time  
and Motion in Metabolism and  
Genetics, Charles C. Thomas, publisher,  
(Springfield, Ill.), chapt. 6, 246-275  
(refs. on 374-389), "Microwave  
absorption and its biological effects".

✓  
WEISS, H.M., & PETERSEN, R.C. (1978), Rept:  
Bell Telephone Laboratories, Inc.  
(July), 24 pps, "Electromagnetic  
radiation emitted from video  
cameras + monitors".

(5)

YENCHARIS, L. (1978), Electronic Engineering Times, \_\_\_ ( ):18 only (9 Jan.), "Temperature probe designed for cancer therapy [using microwave radiation]."

✓ "Electromagnetic interference [of cardiac ECG monitors] by hospital [communication transmitter] paging systems," Health Devices, 7(4):115 only (Feb. 1978), [a publication of the Emergency Care Research Institute, 5200 Butler Pike, Plymouth Meeting, PA 19462].

✓ "Efforts by the Environmental Protection Agency to protect the public from environmental nonionizing radiation exposures," Rept., General Accounting Office (Wash., D.C.), # CED-78-79, 16 (23 Mar 1978).  
PB #279-483

✓ "Are Americans being zapped? The microwave controversy generates demands for action," Time [magazine], 113(9):43 only (28 Aug 1978).

"GAO: Low microwave levels may harm [the public]," Science News, 113(16):247 only (22 Apr. 1978).

"Miniature electromagnetic probe developed for [microwave] bioeffects research," BRH [Bureau of Radiological Health] Bulletin, 11(7):5-6 (Monday, 4 Apr 77).

✓ "New microwave diathermy applicator designs presented to FDA for public use," On: Bureau of Radiological Health (BRH) Bulletin, 12(16):1-2 (28 Aug. 1978).

"Report on the safety from electromagnetic radiations in and around the CN Tower, Toronto," Rept. No. 77-EHD-7 by the Radiation Protection Bureau, Environmental Health Directorate, Health Protection Branch, in collaboration with Ontario Ministry of Health and Dept. of Communications, Ontario Region, 43 pp. [in English and French].

✓ "A selective review of the literature on biological effects of microwaves in relation to the satellite power system," Battelle, Pacific Northwest Laboratory, Rept. #PNL-2634, 80 pp. (197?)

"A technical review of the Biological Effects of Nonionizing Radiation" A report prepared for the Office of Science and Technology Policy [Executive Office of the President] by an ad hoc Working group, 42 pps, May 15, 1978.

✓ "Occupational Health: Exposure to radiofrequency radiation," Dept. of the Air Force, AFOSH STANDARD 161-9, 35 pp, Oct. 10, 1978 [Supersedes AFR 161-42, of Nov. 1975]

✓ "Health aspects of radiofrequency and microwave radiation exposure, Part 2", Environmental Health Criteria Document #78-EHD-22, National Health and Welfare, Canada, 107 pps, 1978.

✓

"Report on radiation [including RF and microwave] health and safety", Congressional Committee Report, U.S. Senate Committee on Commerce, Science, and Transportation, 95 Congress, 2<sup>nd</sup> Session, Government Printing Office # 34-949, Dec. 1978.  
 [Findings and recommendations of the June 1977 hearings (which were published as Serial No. 95-49)]