

11-1-78

( \* submitted in 4th list to Tom )

copy for Pat

added Postow (encl)

Glasgow

①

✓ BYČKOV, M.S. (1972), In: Industrial health and biological effects of radio frequency electromagnetic waves, Material of the Fourth All-Union Symposium, 17-19 Oct, Moscow, p.46, "Neurophysiological characterization of the action mechanism of super-high frequency electromagnetic waves."

✓ CHATEL, N.C., & PEELE, R. (1970), Amer. J. Psychiat., 126 ( ): 1404 "A centennial review of neurasthenia."

check entry

✓ CUNITZ, R.J., et al. (1975), IEEE Trans. on Microwave Theory and Techniques, MTT- ( ), (Mar.), "Behavioral suppression by 383-MHz radiation."

✓ DRONOV, I.S. (1972), In: Industrial health and the biological effects of radio frequency electromagnetic waves, Material of the Fourth All-Union Symposium, 17-19 Oct, Moscow, p.58, "The state of immunobiological reactivity of animals under chronic irradiation by radio waves in the SHF range."

✓ EDWARDS, M.J. (1969), Teratology, 2 ( ): 213, "Congenital defects in guinea pigs: Fetal resorptions, abortions, and malformation following induced hyperthermia during early gestation."

\* ✓ FRÖHLICH, J. (1975), Proc. of the Nat. Acad. Sci., 72 ( ): 4211, "The extraordinary dielectric properties of biological materials and the action of enzymes."

transl. relevant? (in Pol.)

JASSER, S., et al. (1963), Lek. Wojsk., 39 ( ): 517, "Badania nad układem properdyny i innych czynników naturalnej odporności u osób zatrudnionych w zasięgu mikrofal."

✓ KARAMYSHEV, V.B. (1966), In: Questions of work hygiene and occupational pathology in the chemical and mechanical engineering industries, Repts. of the Scientific Session of the Inst., Ukr. Gos. Inst. Patol. Gig. Tr., Kharkov, p.106, "Physiological-hygienic characteristics of the ~~used~~ working conditions of television and radio station personnel."

✓ KIRCHEV, K., et al., (1959), Problems of Physiotherapy and Health Reports, Moscow, p.81; "Some experimental data on the effect of an UHF electric field on the adrenals."

✓ LENKO, J., et al. (1966), Przegląd Lekarski, 22( ):296, "Effect of 10-cm radar waves on the level of 17-ketosteroids and 17-hydroxycorticosteroids in the urine of rabbits."

✓ PEVZNER, Yu. D. (1972); In: Industrial health and the biological effect of radio frequency electromagnetic waves, Material of the Fourth All-Union Symposium, 17-19 Oct, Moscow, p. "Statistical research on hemodynamic and erythron parameters in workers operating SHF generators."

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

\* ✓ "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 p. [PB# 279-483], (23 Mar 1978).

✓ "Interim report on non-ionizing radiation hazards," (Draft), Rept. submitted to International Electrotechnical Commission, Technical Committee No. 12: Radio-communications, Subcommittee 12C: Transmitting Equipment, (June 1978).

✓ FARMER, P. (1978), Syracuse New Times, (39) (6 Aug.), "Microwaves: Unknown danger of radiation / Is a 'death ray' pointed at us? Despite the lack of conclusive evidence linking microwave radiation to cancer, local researchers urge further study." 9 pgs. [unclear]

✓ "Subject and author index, 1970-1977," Special issue to Neuroelectric News, 7(243):160pp., ~~(Mar-July 1978)~~ (#US ISSN 0047-942X), (Mar-July, 1978).

✓ <sup>and the</sup> "Medical and biological applications," <sup>meeting to be held</sup> <sup>in Monaco</sup> <sup>3</sup> (One-day short course <sup>planned</sup> ~~held~~ at the Microwave Power Symposium 1979 (11 June) ~~about the~~ "fundamental properties of microwave energy and its various applications."

✓ "Biological effects of microwaves," One-day short course <sup>to be held in Monaco</sup> <sup>to be</sup> held at the Microwave Power Symposium 1979 (11 June) ~~about the~~ "fundamental properties of microwave energy and its various applications."

✓ "Ultrasound, sound, microwaves, laser and ultraviolet: Biophysical and biological basis, hazards, and applications in medicine and industry," Course held at Massachusetts Institute of Technology, (24-28 July 1978).

✓ "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].

✓ FIGORITO, C. (1978), Electronic Engineering Times, —( ): 14 only (15 May) "Solar satellite bill takes first step; May be brought to vote by next month." [Collection of solar energy; beamed to earth as microwave radiation; then conversion to electricity at <sup>approx.</sup> 60 Hz.]

✓ FABENBAUM, J. (1978), Electronic Engineering Times, —( ): 14 only (15 May) "Government seeks link between leukemia and [RF/microwave] antenna emissions."

✓ YENCHARIS, L. (1978), Electronic Engineering Times, —( ): 4 only (17 Apr.) "Researchers [at Battelle's Pacific Northwest Lab.] study biological effects of microwave transmission."

✓ "Funding requested [by Rep. Elizabeth Holtzman (D-NY) in Congress] for [RF/microwave] radiation study," Electronic Engineering Times, —( ): 4 only (May 1, 1978).

\*

✓ 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])

\*

✓ 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), "Radiofrequency radiation levels and population exposure in urban areas of the eastern United States."

✓ Cancer Therapy by Hyperthermia and Radiation, Proceedings of the 2nd International Symposium on Cancer Therapy by Hyperthermia and Radiation, held in Essen, Germany, in June, 1977. (Urban & Schwarzenberg, Inc., publ.), 1978.

✓ "Basic research and development work in connection with the assessments of the effects of exposure to microwave energy on health and the environment that may occur in the operation of a Satellite Power System," Commerce & Business Daily announcement of 9 Aug. 78, Argonne National Laboratory ILL.

✓ "Literature survey and problem definition study on the biological effects of millimeter waves (35-220 GHz)," Commerce & Business Daily announcement of approx. 25 Aug 1978, Dept. of the Air Force.

✓ BRODEUR, P. (1978), APF [Alicia Patterson Foundation] Reporter, 1(3):3-4 (Oct.), "On the beach." [Some comments on the Air Force's PAVE PAWS radar system tests.]

↓ "In his own words, 'The microwave menace is zapping us all,' warns writer Paul Brodeur," People Weekly, 9(4):25-27 (Jan. 30, 1978).

↓ BOGGS, R.F. (1971) Proceedings of the 24th Annual Conference on Engineering in Medicine and Biology, 13( ):58, "A compact free-space biological exposure system employing a focused beam technique."

✓ <sup>TT</sup>GRISSETT, J.D., KUPPER, J.L., KESSLER, M.J., BROWN, R.J., <sup>TT M</sup>PRETTYMAN, G.D., COOK, L.L., & GRINER, T.A. (1977), Rept., Naval Aerospace Medical Research Laboratory (Pensacola, FL), #NAMRL-1240 (Nov.), 315 pp., "Exposure of primates for one year to electric and magnetic fields associated with ELF communications systems."

✓ "Neuroelectric news [newsletter], The Neuroelectric Society Inc, 2 (1). pp. (Nov. 1977).

✓ DODGE, C.H. (1977), Presented at the Development Biology Seminar held at George Washington Univ. (Wash., D.C.), April, "Electrical currents and <sup>bone</sup> regeneration."

✓ BAIRD, R.C. (1974), Rept., National Bureau of Standards (Boulder, CO) (NTIS # PB-260-793), 10 pp., "Methods of calibrating microwave hazardous meters."

✓ <sup>M</sup>ROSENTHAL, G.M., Jr. (1976), Rept., IIT Research Institute (Chicago, IL) (AD # A035-958), (Nov.), 42 pp., "An ecological survey of plants exposed to ELF EM fields."

✓ NOVAL, J.J., et al. (1976), Rept., Naval Air Development Center (Warminster, PA), (AD # A035-959), (Nov.), 17 pp., "Extremely low frequency electric field induced changes in rate of growth, brain, and liver enzymes of rats."

✓ "First results of an investigation of the effects of microwave radiation with low power density on the behavior of rats," <sup>Leids</sup>RVO-TNO, Rijswijk, Netherlands (in Dutch w/English summary), #pp. (NTIS # N77-10778), 14 pp. (1975).  
Medical-Biological

\* ✓ FRAZER, J.W., et al. (1976), Rept., School of Aerospace Medicine (Brooks AFB, TX), (AD # ~~A032-179~~ #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]

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

relevant?

- ✓ POPPENDILK, H.F., & CONNELLY, D.J. (1975), Rept., Geosciences Ltd. (Solar Beach, CA), (AD# A008-569), (Apr.), 10 pp., "Nerve regeneration; summary project."
- ✓ OSEPCHIK, J.M.<sup>M</sup> (1978), J. of Microwave Power, 13(1): 13-26 (Mar.), "A review of microwave oven safety."
- ✓ MARUYAMA, Y.<sup>M</sup>, IIDA, N.<sup>M</sup>, HORIKAWA, A., & HOSOYA, E. (1978), J. of Microwave Power, 13(1): 53-57 (Mar.), "A new microwave device for rapid thermal fixation of the murine brain."
- ✓ DELBOS, G.<sup>G</sup>, BOTTREAU, A.-M.<sup>TT</sup>, MARZAT, C.<sup>M</sup>, & SALEFRAN, J.-L. (1978), J. of Microwave Power, 13(1): 69-75 (Mar.), "Microwave dielectric relaxation of aqueous solutions of dextran."
- \* ✓ SEAMAN, R.L., & WACHTEL, H. (1978), J. of Microwave Power, 13(1): 77 (Mar.), "Slow and rapid responses to CW and pulsed microwave radiation by individual Aplysia pacemakers."
- \* ✓ BINI, M.<sup>M</sup>, CHECCUCCI, A., IGNESTI, A.<sup>T</sup>, MILLANTA, L.<sup>M</sup>, RUBINO, N., CAMICI, G.<sup>M</sup>, MANAO, 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)."
- ✓ "Microwaves, cataracts not linked: scientist," The Globe & Mail (Toronto, Canada), 40(112): T5 only, (29 June 1978).

Tech Mtgs

✓ Major Workshop for Decision-Makers in Industry & Government on the "Causes, Effects, & Regulation of Electromagnetic Interference", held at the National Bureau of Standards (Gaithersburg, MD), 2-3 Nov. 1978.

Plenary Session

JUSTESEN, D. (Veterans Administration), "Bioeffects of EM radiation."

Tech Mtgs (cont'd)

✓ The 30th Annual Conference on Engineering in Medicine and Biology held in Los Angeles, CA, on 5-9 Nov. 1977.

Special Session: The effects of microwaves on the nervous system.

check w/ Ken Oscar re: relevant presentations

✓ Fifth International Symposium on Electrosleep and Electroanesthesia held in Graz, Austria on 11-16 Sept. 1978.

relevant presentations?

✓ "Microwave Applications for the Food Industry," IMPI/CAS Workshop held in Chicago, IL, on 2 Nov. 1978.

① [scribbles]

ARMBRUSTER, B. (Cornell Univ.), "Microwave energy and ~~processing~~ nutrition."

ARMSTRONG, J. (Jewel Food Stores), "Microwave information and the grocer."

BERGLAND, M.J. & TOOKE, F. (Western Michigan Univ.), "Microwave information sources."

② ✓ BUFFLER, C. (Litton Microwave Cooking Products), "Microwave energy and safety."

NOLT, J. (General Mills, Inc.), WIMMER, K. (Oyster Cats Co.), PEARSON, P. (Beatrice Foods), PARIS, J. (Swift & Co.), & McCARTHY, R. (Kraft, Inc.), "Microwave product and information development. [Panel Discussion]"

RENNERKAMP, R. (Amana Refrigeration, Inc.), "Consumer microwave oven features."

③ ✓ SCHIFFMAN, R.F. (Schiffman & Associates Consulting Firm & President, IMPI), "Microwave energy and food processing."

KRAEGER, J. (FDA Regional Radiological Health Lab) "A discussion on various topics of microwave oven safety"

and the Chicago area FDA testing program

POSTOW, E. (1977), Naval Medical Research and  
Development Command Note, "List of  
review articles on the biological effects  
of electromagnetic radiation".