1046. MINECKI, L. (1961) Medycyna Pracy 12(4):329-335, (In Polish), (AD 271865), (FTD-TT-61-380/1, Dec. 1961, pp. 1-8), "The health of persons exposed to the effect of high frequency electromagnetic fields"

1047. MINECKI, L. (1962) Rept. of the 6th Polish Conf. of Occupational Medicine, "The thermal effect of microwave radiation"; and "Changes in activity of cholinesterase in mice subjected to single and repeated action of microwaves"

1048. MINECKI, L. (1964) Arhiv za higijenu rada i toksikologiju 15(1):47-55, (In Polish), (Delivered before the 1st Yugoslav Congress of Occupational Medicine, Beograd, Nov. 1963), "Critical evaluation of maximum permissible levels of microwave radiation"

1049. MINECKI, L. (1964) Med. pracy 15:307-315, (In Polish), "Effect of microwave radiation on the sight organs"

1050. MINECKI, L. (1964) Med. pracy 15:391-396, (In Polish), "Effect of an rf electromagnetic field on embryonal development" -

1051. MINECKI, L. (1965) Medycyna Pracy 16:300-304, "Clinical symptoms in workers exposed to the effect of high frequency electromagnetic fields"

1052. MINECKI, L. (1966) Medycyna Pracy 17(2):134-136, "Critical evaluation of the health protetction of personnel occupationally exposed to high frequency electromagnetic radiations"

1053. MINECKI, L. (1966) Warsaw, (In Polish), Electromagnetic Radiation: Biological Effects and Safeguarding of Health (Public Health)

1054. MINECKI, L. (1967) Zdraw Publiczne/ (2):213-220, "High frequency electromagnetic fields, a new environmental hazard"

1055. MINECKI, L., & BILSKI, R. (1961) Medycyna Pracy 12(4):337-344, (In Polish), (AD 271865), (FTD-TT-61-380/1, Dec. 1961, pp. 9-15), "Histopathological changes in the internal organs of mice exposed to the effect of microwaves (S-Band)"

1056. MINECKI, L., OLUBEK, K., & ROMANIUK, A. (1962) Medycyna pracy 13(4):255-264, (In Polish), "Changes in the activity of conditioned reflexes of rats under the influence of the action of microwaves (S-band): 1. Single exposure to microwaves"

1057. MINECKI, L., & ROMANIUK, A. (1963) Medycyna Pracy 14:355-360, and 361-372, "Changes in conditioned reflexes of rats under the influence of S-band microwaves (I, and II)"

1058. MINTZ, M., & HEIMER, G. (1965) IEEE Trans. on Electromagnetic Compatibility 7(2):179-183, "New techniques for microwave radiation hazard monitoring"

1059. MIRAHORIAN, L. (1934) (In French with English Summary), Abstr. of the 1st Internat. Congress of Electro-Radio-Biology, (Cappelli, L., ed.) Bologna, Italy, pp. 383-386, "The possibility of clinical diagnostic differentiation of mutations due to electromagnetic energy"

1060. MIRAULT, M. (1950) Praxis, Switzerland, 39:927-931, "Microwaves (radar) in electrotherapy"

1061. MIRO, L. (1962) Revue de Medicine Aeronatique, Paris, 1 (4):16-17, (In French), "Hematological modifications and clinical disorders observed in persons exposed to radar waves"

1062. MIRO, L., LOUBIERE, R., & PFISTER, A. (1965) Revue de Medicine Aeronatique, Paris, 4:37-39, (In French), "Research on visceral lesions observed in mice and rats exposed to ultrashort waves: special study of the effects of these waves on the reproduction of the animals"

1063. MIRO, L., LOUBIERE, L., & PFISTER, A. (1966) Revue de Medicine Aeronatique, Paris, 5:9-13, "Morphological and metabolic changes observed experimentally under the influence of high frequency electromagnetic fields"

1064. MIRO, L., LOUBIERE, R., & PFISTER, A. (1967) In: Proc. of the 2nd Internat. Symposium in Basic Environmental Problems of Man in Space, (Bjurstedt, H., ed.), held in Paris, June 1965,, Springer Verlag, publisher, pp. 288-297, "Effects of high frequency electromagnetic fields on the uptake of methionine S-35 by the spleen and liver of mice" (A65-26302)

1065. MIRO, L., LOUBIERE, R., & PFISTER, A. (1968) In: Thermal Problems in Aerospace Medicine, (Hardy, J. D., ed.), The Advisory Group for Aerospace Research & Development, NATO, Maidenhead, England, pp. 177-183, "Visceral lesions observed in mice and rats exposed to ultrashort waves: special study of the effects of these waves on the reproduction of the animals"

1066. MIRO, L., ATLAN, H., ARNAUD, Y., DELTOUR, G., & LOUBIERE, R. (?) Ref? "A note on the radio protection experienced by bacteria exposed to ultrahigh frequency waves"

1067. MIRUTENKO, V. I. (1962) Fiziologii Zh. Akademiya Nauk UKR SSR, 8(3):382-389, (AD 292205), (FTD TT-62-1361/1+2), "Investigating local thermal effect of electromagnetic (3 cm) waves on animals"

1068. MIRUTENKO, V. I. (1964) In: The Biological Action of Ultrasound and Super-high-Frequency Electromagnetic Vibrations, Naukova Dumka, Akademiya nauk Ukrainskoy SSR. Institut Fiziologii, Kiev, pp. 62-79, (Abstr. in Biological Effects of Microwaves: Compilation of Abstracts, ATD P-65-68, pp. 92-93 (1965), "SHF dosimetry and nonthermal threshold determination"), "The thermal effects of a SHF electromagnetic field on animals, and some problems of SHF-field dosimetry"

1069. MIRUTENKO, V. I. (1964) Fiziologii Zh. Akademiya Nauk UKR SSR 10(5):641-646, (JPRS 29375), (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, Apr. 1965), "Effect of blood circulation on the distribution of heat, and the magnitude of the thermal effect during action of a SHF-UHF electromagnetic field on animals"

1070. MIRUTENKO, V. I. (1965) (In Russian), In: Problems in Biophysics and the Mechanism of Action of Ionizing Radiation, Kiev, Zdorovya, pp. 79-82, "Heat distribution in the organs and tissues of animals exposed to a UHF electromagnetic field"

1071. MISCHENKO, L. I. (1969) Biulleten Eksperimental'noi Biologii i Meditsiny (Moskva) 68(7):56-58, (In Russian with English Summary), "The influence of an ultra high frequency electromagnetic field on the carbohydrate metabolism in the brain of rats"

1072. MISHIN, V. V. (1964) Vsesoyuznoye Fiziologicheskoye Obshchestvo. Voronezhskoye Otdeleniye Nekotoryye Voprosy Fiziologii i Biofiziki, Trudy Otdeleniye. Izd-vo Voronezh Univ., pp. 40-46, "Change of lability of the neuromuscular system under the influence of electromagnetic oscillations in the audio frequency range"

1073. MITCHELL, J. P., & LUMB, G. N. (1960) Proceedings of the Royal Society of Medicine 53:348-354, "Hazards of diathermy in urology"

1074. MITTLEMANN, E. (1961) Digest of Internat. Conf. on Medical Electronics, Biological Effects of Microwaves I (Athermal Aspects), (Frommer, P. L., ed.), Plenum Press, New York, pp. 193-, "Relationship between heat sensation and high frequency power absorption"

1075. MOGENDOVICH, M. R. (1937) Biulleten Eksperimental'noi Biologii i Meditsiny (Moskva) 4:246-, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, Apr. 1965), Title not given, [Discusses changes in conductivity of nerves upon exposure to UHF]

1076. MOLCHAMEV, K. (1944) Biulleten Eksperimental'noi Biologii i Meditsiny (Giesen) 18:1-20, "Bactericidal effect of ultrashort waves on microflora of metallic foreign bodies: experimental studies"

1077. MONAYENKOVA, A. M., & SADCHIKOVA, M. N. (1966) Gigiyena Truda i Professional'nyye Zabolevaniya 10(7):18-21, (JPRS 38663; ATD Rept 66-123, Oct. 1966), "Hemodynamic indices during the action of super-high frequency electromagnetic fields"

1078. MOORE, R. T. (1969) Presented at the Hazards & Utility of Microwaves & Radiowaves Seminar (Heller, J., Chm.), Boston, 11-12 Dec., "Government relations: problems and plans"

1079. MOORE, W., JR. (1968) Report TSB-68-4, 25 pages, U.S. Dept. of Health, Education, and Welfare, Public Health Service, Consumer Protection & Environmental Health Service, Environmental Control Admin., Bur. of Radiation Health, Rockville, Md., "Biological aspects of microwave radiation: a review of hazards"

377,
1080. MOOS, W. (1964) Aerospace Med. 35:374-/ "A preliminary report on the effects of electric fields on mice"

1081. MOOSSIKINS, B. (1948) Rev. Morrel 60:364-366, "Rapid modification of local temperature following application of short waves and its clinical significance"

1082. MORELLINI, M., & INGRAO, F. (1943) Abstr. only in: Zentralblatt fur die gesamte radiologie, p. 216 only, (In German), "Effect of short waves on the vegetative nervous system"

1083. MORESSI, W. J. (1964) Experimental Cell Research 33:240-253, "Mortality patterns of mouse sarcoma-180 cells resulting from direct heating and chronic microwave irradiation"

1084. MORGAN, W. E. (1960) AMA Arch. of Industrial Health 21:570-573, (Also, Safety Maintenance _:16-, July 1959), "Microwave radiation hazards"

1085. MORRELL, R. M. (1959) Digest of Tech. Papers, 12th Annual Conf. on Electrical Techniques in Medicine and Biology (Schwan, H. P., Chm.), pp. 32-33, "Radio telemetry of whole-nerve action potentials"

1086. MORTIMER, B., & OSBORNE, S. I. (1935) J. of the Amer. Medical Assoc. 104:1413-1419, "Tissue heating by short wave diathermy: some biologic observations"

1087. MOSES, P. (1951) Medecine Aeronautique, Paris, 6:143-144, "Recent investigations on the biologic effect of radar"

1088. MOSINGER, M., & BISSHOP, G. (1960) C. r. seances soc. biol. filiales associees 154:1016-1017, (In French), "On the histological reactions following irradiation of intratissular metal pieces by microwaves"

1089. MOSKALENKO, YU. YE. (1958) Biofizika 3(5):619-626, "The use of SHF-UHF fields in biological research"

1090. MOSKALENKO, YU. YE. (1960) in: Electronika v Meditsine, (Berg, A. I., ed.) Moscow, Leningrad, pp. 207-218, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, Apr. 1965), "Clinical and biological application of SHF-UHF electromagnetic fields"

1091. MOSKALENKO, J. E. (1961) Nov. med. techn. Moskva, _:79-88, (In Russian), "Some of the possible biophysical mechanisms for the interaction of the energy of an electromagnetic field with living structures"

1092. MOSKALYUK, A. I. (1949) Avtoref., Kand. Dissertation (Author's abstract of dissertation, Candidate), Leningrad, "Latent reflex period as an indicator of SHF-UHF field effect"

1093. MOSKALYUK, A. I. (1957) Tr. VMOLA (Report of Military Medical "Order of Lenin", Akad. imeni S. M. Kirov) 73:133-, "Effect of a SHF field on oxidation reduction processes in some rabbit tissues"

1094. MOSKWA, W., et al. (1965) Kosmos-Seria A Biologia _:277-284, (JPRS 33,500), "Biophysical effects of a constant magnetic field"

1095. MOTSNYI, P. E. (1936) Dnepropetrovsk, Universitet. Nauchnyye Zapiski 4:4-, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, Apr. 1965), Title not given, [Discusses altered response in muscle following UHF exposure]

1096. MOYNIEL, G. (1950) Revue de Medecine 25:39-40, "Biologic effect of electromagnetic radiation (short wave) on isolated cells"

1097. MUCH, V. (1951) Ophthalmologica (Basel) 121:41-43, "Ultra short wave therapy following extra capsular cataract extraction"

1098. MULLER, H. (1949) Arch. of Physical Med. 29:765-769, "Experimental lenticular opacities produced by microwave irradiations"

1099. MULLER, H. (1950) Amer. Scientist 38:33-59, "Radiation damage to the genetic material"

1100. MUMFORD, W. E. (1956) Bell [Telephone] Labs. Progress Rept. 717, "Hazards to personnel near high power UHF transmitting antennas"

1101. MUMFORD, W. W. (1961) Proc. of the Institute of Radio Engineers 49(2):427-447, "Some technical aspects of microwave radiation hazards"

1102. MUMFORD, W. W. (1969) Proc. of the Institute of Electrical & Electronics Engineers 57(2):171-178, "Heat stress due to RF radiation" (Also: Non-Ionizing Rad. 1(3):113-119 (1969))

1103. MUMFORD, W. W. (1970) In: Proc. of the "Biological Effects and Health Implications of Microwave Radiation" Symposium, (Cleary, S. F., ed.), Bur. of Rad. Health, Div. of Bio. Effects, Rept. No. 70-2, pp. 21-34, "Heat stress due to RF radiation"

1104. MUNGO, A. (1962) Folia Medica (2):156-, (In Italian), "Radar: Technology, pathology, and prevention"

1105. MURASHOV, B. F. (1966) Voenno Meditsinskii Zh. (Moskva) (6):82-83, "The lingering effect of an ultrahigh frequency field on the hypophyseal system: the cortex of the adrenal glands"

1106. MURPHY, A. J., PAUL, W. D., & HINES, H. M. (1950) Arch. of Physical Med. 31:151-156, "A comparative study of the temperature changes produced by various thermogenic agents"

1107. MURPHY, R. M., KLAUSEN, J., JUSTESEN, D. R., & PENDLETON, R. B. (1967) Scientific Proc., Amer. Psychiatric Assoc. 123(1): 201-202, "Enhanced relearning following electroshock and fibrille (microwave) induced convulsions"

1108. MURR, L. (1965) Nature 206:467-, "Biophysics of plant growth in an electrostatic field"

1109. MURRAY, J. L. (1963) M. S. Thesis, Dept. of Radiation Biology, Univ. of Rochester, School of Med. and density, Rochester, New York, 12 pages, (AD 415814), "Some Biological Aspects of Microwave Radiation"

1110. MURRAY, R. J. (1959) Safety Manual, Sperry Gyroscope Co., "Microwave safety precautions"

1111. MURRAY, R., ABRAHAM, J. D. R., CHAMBERS, J. H., ELLIOTT, P. M., FFRENCH, G. E., GILBERT, P. R., HOLDEN, H., & MUIRHEAD, A. (1969) Non-Ionizing Radiation 1(1):7-8, "How safe are microwaves?"

1112. MUSIL, J., & MARHA, K. (1963) Final Report of the Institute of Industrial Hygiene and Occupational Diseases, Prague, (In Czech), Measurement of Rf Field Intensity in Work Areas According to the Guidelines Issued by the Surgeon General

1113. MUSIL, J. (1964) Final Report of the Institute for Industrial Hygiene and Occupational Diseases, Prague, (In Czech), Reflection and Absorption of Electromagnetic Energy in a Model of the Body

1114. MUSIL, J., & MARHA, K. (1965) Czech. patent No. 115-714, "Wide-band device for measuring the intensity of an electromagnetic field for health purposes"

1115. MUSIL, J. (1965) Final Report of the Institute for Industrial Hygiene and Occupational Diseases, Prague, (In Czech.), The Effect of Clothing on the Absorption of UHF Energy in the Organism

1116. MUSIL, J. (1965) Slaboproudy Obzor, Prague, 26(7):391-397, (In Czech.), "Effect of the constitution of the body on the absorption of electromagnetic waves"

1117. MUSIL, J. (1965) Sdelovaci technika 13(4):145-146, (In Czech.), (ATD 68-129), "Measurement of the intensity of an electromagnetic field for hygienic purposes"

1118. MUSIL, J. (1965) Final Report of the Institute of Industrial Hygiene and Occupational Diseases, Prague, (In Czech.), Possibilities of Using Simple Measurements of Power Density of Electromagnetic Waves for Health Purposes

1119. MUTH, E. (1927) Kolloid-Zeitschrift 41:97-102, (In German), "Concerning the appearance of the (string of) pearl chain formation of emulsion particles under the effect of an alternating field"

1120. MUTSCHALL, V. E. (1969) Foreign Science Bulletin, Library of Congress, 5(2):13-36, (AD 6692), "Biological effects of high frequency electromagnetic waves"

1121. MUTSCHALL, V. E. (1969) Foreign Science Bulletin, Library of Congress, 5(6):18-55, (AD 689769; N69-33390), "Response of the nervous system to microwave radiation"

1122. NADEL, A. B. (1961) General Electric Co., Technical Military Planning, Santa Barbara, Calif., Report #RM 61TMP-29, 21 pages, "Selected biologic effects of microwave radiation"

1123. NAKAMURA, H., OKAMURA, H., & TANAKA, K. (1938) Gann (Japanese J. of Cancer Research) 32:294-300, "Short and ultrashort waves, their effects on glycogen, Vitamin C, glutathione, calcium and potassium contents, and on cytochrome oxidase reaction"

1124. NAGELSCHMIDT, F. (1935) Arch. of Physical Therapy 16:457-465, "The condenser field: an improved method of application" [diathermy]

1125. NALIVAVKO, G. T. (1939) Dnepropetrovsk. Universitet. Institut Fiziologii. Sbornik rabot, 2:2-, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, Apr. 1965), (Title not given) [Discusses alteration in muscle response following UHF irradiation]

1126. NEIDLINGER, R. W. (1971) IEEE Trans. on Microwave Theory and Techniques (Special Issue on Biological Effects of Mircowaves) MTT-19(2):250-251, "Microwave cataract"

1127. NEIFELD, H. (1935) Arch. of Physical Therapy 16:544-549, "Some effects of electric currents on human respiratory movements" [Diathermy]

In:

1128. NELSON, D. J., JR., & SOLEM, D. L. (1969)/Bureau of Radiation Health Rept. #ORO 69-4, (Conf. on Federal-State Implementation of Public Law 90-602, (Miller, J. W., & Gerusky, T. M., co-chm.)), pp. 54-56, "Laser and microwave problems"

1129. NETREBA, M. I. (1963) In: Aviation & Space Medicine, (Parin, V. V., ed.), Acad. of Med. Sci., USSR, Moscow, (NASA transl. TT-F-228, pp. 321-324; N65-13739), "The sanitary aspect of the working conditions around SHF-UHF generators"

1130. NEWMAN, H. F., & WILHELM, S. F. (1950) J. of Urology 63(2):349-352, "Testicular temperature in man"

1131. NIEPOLOMSKI, W., & SMIGLA, K. (1966) Polish Medical J. 5:396-405, (Also, Patologie Polska (Warszawa) 16:129-139, 1965), "Visceral pathomorphology of experimental animals subjected to the action of 10.7 MHz electromagnetic fields"

1132. NIESET, R. T., et al. (1957-1961) Progress Reports (Tulane Univ.) on Investigations of the Biological Effects of Microwave Irradiation: (1956, AD 149246; 1958, AD 225409 and 225837; 1959, AD 214693, AD 230822, RADC-TR-59-67-215, and -311; 1960, AD 229023, AD 257198; 1961, RADC-TR-61-65); (Also: Proc. 2nd Tri-service Conf. on Biological Effects of Microwave Energy (Pattishall, E. G., & Banghart, F. W., eds.), (1958), pp. 202-214, "Review of the work conducted at Tulane University") and (Investigators' Conf. on Biological Effects of Electronic Radiating Equipments, (Knauf, G. M., (chm.), RADC-TR-59-67, pp. 6-11), "Neural effects of microwave radiation"

1133. NIKOGOSYAN, S. V. (1959) In: Summaries of reports, Labor Hygiene and the Biological Effect of Radio Frequency Electromagnetic Waves, p. 51 only

1134. NIKOGOSYAN, S. V. (1960) Trudy Nii Gigiyena Truda i Profzabolevaniya AMN, SSSR, _(1):81-84, (Also in: The Biological Action of Ultrahigh Frequencies, Letavet, A. A., & Gordon, Z. V., (eds.), Moscow, JPRS 12471, pp. 83-88, "Influence of UHF on cholinesterase activity in the blood serum and Erythrocytes"); (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, Apr. 1965); (Also, abstr. in: Biological Effects of Microwaves: Compilation of Abstracts, ATD Rept. P-65-68, Sept. 1965, pp. 33-34, "Effect of UHF on blood-serum cholinesterase activity"), (In Russian), "Influence of SHF-UHF on the cholinesterase activity in the blood serum, and on the organs of animals"

1135. NIKOGOSYAN, S. V. (1962) In: Summaries of reports, Questions of the Biological Effect of a SHF-UHF Electromagnetic Field. Kirov Order of Lenin Military Medical Academy, Leningrad, "The effect of centimeter and decimeter waves on the content of protein and protein fractions in the blood serum of animals"

1136. NIKOGOSYAN, S. V. (1964) Trudy Nii Gigiyena Truda i Profzabolevaniya AMN, SSSR, _(2):43-48, "A study of cholinesterase activity in the blood serum and organs of animals subjected to the chronic effects of microwaves"; ibid., pp. 66-67, "Effects of 10 cm waves on the content of nucleic acids in animal organs"; ibid., Issue 9, pp. 56-, "Effect of 10 cm waves on amount of protein fractions in animal blood serum; (Also in: The Biological Action of Radio-Frequency Electromagnetic Fields, Institute of Industrial Hygiene and Occupational Diseases, Academy of Medical Sciences, USSR, Moscow)

1137. NIKOGOSYAN, S. V. (1967) Biulleten Eksperimental'noi Biologii i Meditsiny (Moskva) 64(9):56-58, (Abstr. in: Soviet Radiobiology, ATD 68-105-108-9, pp. 81-82. June 1968; AD 671436), "Changes in protein metabolism under chronic exposure to 10 cm low-intensity waves"

1138. NIKOGOSYAN, S. V., & KITSOVSKAYA, I. A. (1968) Gigiyena Truda i Professional'nye Zabolevaniya (Moskva) _(5):53-55, "Changes in the activity of cholinesterase in the central nervous system of animals with different functional conditions under the action of low intensity decimeter waves"

1139. NIKOLAEVA, E. N. (1953) Sborn. Eksp. Klin. Neurolog. (Monograph), "On experimental basis of use of UHF currents in medical practice"

1140. NIKOLOVA-TROYEVA, L. (1964) Voprosy Kurortologii, Fizioterapii i Lechebnoy Fizicheskoy Kul'tury (Problems in Health Resort Sci., Physiotherapy and Medical Physical Culture), Moscow, 29(3):239-242, (JPRS 26038; N64-27670), "Results of microwave treatment of some diseases"

1141. NIKONOVA, K. V. (1960) Gigiena Truda i Professional'nye Zabolevaniya (Moskva) _(1):9-12, "The hygienic characteristic of labor conditions during work with high frequency heating in the electrovacuum industry"

1142. NIKONOVA, K. V. (1960) In: Physical Factors of the Environment, Letavet, A. A., (ed.), pp. 163-170, "The problem of labor hygiene during work with high frequency generators in the electrovacuum industry"

1143. NIKONOVA, K. V. (1963) Kand (Candidate's)Dissertation, Moscow, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, Apr. 1965), "Materials on the hygienic assessment of high frequency electromagnetic fields (medium and long waves)"

1144. NIKONOVA, K. V. (1964) Trudy Nii Gigiyena Truda i Profzabolevaniya AMN, SSSR, _(2):49-56, "Effects of high frequency electromagnetic fields on the functions of the nervous system"; ibid., pp. 61-65, "Effects of high frequency electromagnetic fields on blood pressure and body temperature of experimental animals"; (Also in: The Biological Action of Radio-Frequency Fields, Institute of Industrial Hygiene and Occupational Diseases, Academy of Medical Sciences, USSR, Moscow)

1145. NIKONOVA, K. V., & FUKALOVA, P. P. (1962) Gigiena Truda i Professional'nye Zabolevaniia (Moskva), 6(3):8-13, (JPRS 13920; N62-12615), "Hygienic evaluation of working conditions and the effectiveness of protective (safety) measures during the induction heating of metal using high frequency tube generators"

1146. NIZHNIK, G. V. (1956) Zh. Obshchei Biologii, Moscow, 17(4):311-316, "Viability changes in sexual cells of male rabbits and mice under the action of VHF-HF fields"

1147. NOVAK, J. & Cerny, V. (1963) Casopis Lekaru Ceskych, Prague, 102:496-497, (In Czech) "Influence of a pulsed electromagnetic field on the human organism"

1148. NRUNORI, N., & TORRISI, S. (1930) Amer. J. of Physical Therapy, _(9):130-, "A specific effect of high frequency electric currents on biological objects"; and ibid, _(11):102-, "Ultra-high frequency electromagnetic vibrations: their effects upon living organisms"

1149. NYROP, J. E. (1946) Nature 157(3976):51 only, (12 Jan.), "A specific effect of high-frequency electric currents on biological objects"

T.-I.-T.

1150. O'BRIEN, C. K., RICHARDSON, A. W., & KAPLAN, H. M. (1971), (Tower International Technomedical Institute)/ J. of Life Sciences 1(1):1-8, "Histopathologic changes in rat liver following 2450 MHz microwave radiation"

1151. OBROSOV, A. N. (1960) In: Elektroniki V. Meditisin, Berg, A. I. (ed.), Moscow, pp. 197-206, "Basic trends in the application of electronics in physiotherapy"

1152. OBROSOV, A. N. (1963) Proc. of 1st Republican Conf. of Physiotherapists and Health-Resort Specialists of the Ukrainian SSR, Kiev, pp. 238-, "A pulsed UHF field - a new therapeutic factor"

1153. OBROSOV, A. N. (1967) In: Therapeutic Electricity and Ultraviolet Radiation, Licht, S. H., (ed.), E. Licht, Publisher, New Haven, Conn., 2nd Edition, (Vol. 4 of the Physical Medicine Library), Chapt. 5, pp. 179-187, "Electrosleep therapy"

1154. OBROSOV, A. N., & KROTOV, A. (1966) Meditsinskaya Gazeta, Navy, USSR, p. 3 only, "VHF-HF pulse therapy"

1155. OBROSOV, A. N., & SKURIKHINA, L. A. (1964) Klinicheskaya Meditsina 42:(4):139-144, (JPRS 25235), "Experience in the treatment of patients using microwaves"

1156. OBROSOV, A. N., SKURIKHINA, L. A., & SAFIULINA, S. N. (1963) Voprosy Kurortologii, Fizioterapii i Lechebnoy Fizicheskoy Kul'tury (Problems in Health Resort Science, Physiotherapy & Medical Physical Culture), Moscow, 28(3):223-229, (JPRS 21067; N63 22435), "Effect of microwaves on the cardiovascular system of a healthy person"

1157. OBROSOV, A. N., & YASNOGORODSKI, V. G. (1961) Digest of the Internat. Conf. on Medical Electronics in Biology and Engineering, p. 156 only, "A new method of physical therapy: pulsed electric fields of ultrahigh frequency"

1158. ODINTSOV, YU. N. (1965) Trans. of the Sci. Conf. Central Sci. Lab., TOMSK, No. 2, pp. 382-386, "The effect of an AC magnetic field on some immunobiological indices in experimental listerellosis"

1159. OLDENDORF, W. H. (1949) Proc. of the Society for Experimental Biology and Med. 72:432-434, "Focal neurological lesions produced by microwave irradiation"

1160. ONCLEY, J. L. (1942) Chemical Reviews 30:433-450, "The investigation of proteins by dielectric measurements"

1161. OPREAN, R. (1966) The Health Worker, Bucharest, _:2-, (JPRS 36,639), "The biological effect of electrostatic and magnetic fields"

In:

1162. ORLOVA, A. A. (1957)/Summaries of reports, Part 2, Jubilee Scientific Session of the Institute of Labor Hygiene & Occupational Diseases Dedicated to the 40th Anniv. of the Great October Socialistic Revolution, Moscow, p. 65 only, "The action of ultrahigh and high frequency fields on the internal organs"

1163. ORLOVA, A. A. (1959) In: Summaries of reports, Labor Hygiene and the Biological Effect of Radio Frequency Electromagnetic Waves, Moscow, pp. 25-26, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, Apr. 1965), "Clinical aspects of changes in the internal organs during exposure to radiowaves of various frequencies"

1164. ORLOVA, A. A. (1960) In: Physical Factors of the Environment, Letavet, A. A., (ed.), pp. 171-176, "The condition of the cardiovascular system during exposure to SHF-UHF and high frequency fields"

1165. ORLOVA, A. A. (1960) Trudy Nii Gigiyena Truda i Profzabolevaniya AMN, SSSR, _(1):36-40, (Also in: The Biological Action of Ultrahigh Frequencies, Letavet, A. A., & Gordon, Z. V., (eds.), Moscow, JPRS 12471, pp. 30-35); (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, Apr. 1965), "Clinical aspects of changes in the internal organs caused by exposure to UHF"

1166. OSBORN, C. M. (1959) Technical Rept., Investigators' Conf. on the Biological Effects of Electronic Radiating Equipments, pp. 20-,

1167. OSBORN, R. R. (1943) Lancet 2:277-, "Findings in 262 fatal accidents"

1168. OSBORNE, S. L., & BELLENGER, J. (1950) British J. of Physical Med. 13:177-180, "Heating of human maxillary sinus by microwaves"

1169. OSBORNE, S. L., & FREDERICK, J. N. (1948) J. of the Amer. Medical Assoc. 137(12):1037-1041, (Also, Quarterly Bull. Northwestern Univ. Medical School 23:222-228 (1949)), "Heating of human and animal tissues by means of high frequency current with wavelength of twelve centimeters (the Microtherm)"

1170. OSBORNE, S. L., & HOLMQUEST, H. J. (1944) Charles C. Thomas, (Pub.), Springfield, Ill., 799 pages, Technic of Electrotherapy and its Physical and Physiological Basis

1171. OSIPOV, YU. A. (1952) Gigiena i Sanitariya, USSR, _(6):22-23, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, Apr. 1965); (Abstr. in: Biological Effects of Microwaves: Compilation of Abstracts, ATD P-65-68, Sept. 1965, pp. 3-4, "Biological effects of ultrahigh frequencies under industrial conditions"), "The effect of VHF-HF under industrial conditions"

1172. OSIPOV, YU. A. (1952) Vrachebnoe Delo nauchnyy meditsinskiy zh., Kharkov, _(11):1018-1020, "High frequency currents from the standpoint of occupational pathology"

1173. OSIPOV, YU. A. (1953) Sovetskoe Zdravookhranenie Kirgizii _(2):44-47, "Dispensary service offered workers engaged in work with high frequency currents"

1174. OSIPOV, YU. A. (1953) Gigiyena i sanitaria 8:39-42, (In Russian) "Induction heating of metals by high-frequency currents from the health point of view"

1175. OSIPOV, YU. A. (1954) Papers of the 2nd Leningrad Conf. on Industrial Use of High Frequency Currents, Moscow, pp. 26-31, "Labor hygiene problems in the industrial use of high frequency currents [fields]"

1176. OSIPOV, YU. A. (1955) Vrachebnoe Delo nauchnyl meditsinskii zh., Kharkov, _(4):345-346, "Potential organic lesions during work with high frequency currents"

1177. OSIPOV, YU. A. (1965) Izd. Meditsina Publishing House, Leningrad, 220 pages, Occupational Hygiene and the Effect of Radio Frequency Electromagnetic Fields on Workers; pp. 78-103, "Biological effect of radio frequency electromagnetic fields"; pp. 104-144, "Occupational hygiene and the health of workers exposed to radio frequency radiation"; and pp. 156-202, (JPRS 32725, TT:65-33 2 1 3, Nov. 1965; and N66-11812), "Measures of protection, therapy, and prophylaxis to be taken during work with radio-frequency oscillators" [Describes "Microthermal Effects"]

1178. OSIPOV, YU. A., & KALYADA, T. V. (1962) Summaries of Reports, Questions of the Biological Effect of a SHF-UHF Electromagnetic Field. Kirov Order of Lenin Military Medical Academy, Leningrad, "Results of an experimental study into the effects of low intensity centimeter waves on man"

1179. OSIPOV, YU. A., & KALYADA, T. V. (1963) Gigiyena i Sanitariya (Hygiene and Sanitation), Moscow, _(10):73-78, (JPRS 23287, Feb. 196 4; OTS 64-21594; & N64-15335), "Temperature response of the skin during irradiation with microwaves of low intensity"

1180. OSIPOV, YU. A., KALYADA, T. V., & KULIKOVSKAYA, YE. L. (1961) Materials of the scientific Session Concerned with the Results of Work Conducted by the Leningrad Institute of Industrial Hygiene and Occupational Diseases for 1959-1960, Leningrad, p. 24-, "Problems of industrial hygiene in work with centimeter radiowave measuring equipment"

1181. OSIPOV, YU. A., KALYADA, T. V., & KULIKOVSKAYA, YE. L. (1962) Gigiena i Sanitariya, Moscow, _(6):81-86, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, Apr. 1965), (JPRS 15644), "Observations on certain functional changes which occur in people exposed to irradiation with centimeter electromagnetic waves during work"

1182. OSIPOV, YU. A., KULIKOVSKAYA, YE. L., & KALYADA, T. V. (1962) Gigiena i Sanitariya, Moscow, 27(2):100-102, (JPRS 13691), "Conditions of SHF-UHF electromagnetic field irradiation of those working on the tuning and testing of radio engineering instruments"

1183. OSIPOV, YU. A., VOLFOVSKAYA, R. N., ASANOVA, T. P., KULIKOVSKAYA, YE. L., KALYADA, T. V., & SHCHEGLOVA, A. V. (1963) Gigiena i Sanitariya, Moscow, 28(6):35-38, (JPRS 20872; N63-20696), "Concerning the problem of the combined effect of a MF-LF electromagnetic field and X-ray irradiation under industrial conditions"

1184. OTT, V. R., RUSCH, D., & RUIZ-BLANCO, B. (1966) Arch. of Physical Therapy (Leipzig) 18:1-17, "Experimental and clinical studies with decimeter waves"

1185. OVERMAN, H. S. (1959) U. S. Naval Proving Ground Technical Memorandum No. W-3/59, Jan., "Microwave radiation hazards to personnel from Bureau of Ordnance (Navy) radar"

1186. OVERMAN, H. S. (1961) Proc. 4th Tri-service Conf. on the Biological Effects of Microwave Radiation, Vol. 1, (Peyton, M. F., ed.) pp. 47-54, "Quick formulas for radar safe distances"

1187. PACAKOVA, L., & HYTHA, M. (1962) Prague, p. 219, (In Czech.), Very Short Waves and Their Applications in Modern Technology

1188. PACELLI, M. (1959) Annali di Medicina Navale e Tropicale 64:533-, (In Italian) "On the biological effects of microwaves"

1189. PAFF, G. H., BOUCEK, R. J., & DEICHMANN, W. V. (1960) Anatomical Record 142(2):264-, (Also, Section in: Microwave Radiation Research (1960), pp. 42-47; Univ. of Miami Annual Report, RADC-TR-61-42, AD 256500), "The effects of microwave irradiation on the embryonic chick heart as revealed by electrocardiographic studies"

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BOUCEK, R. J., NIEMAN, R. E.,

1190. PAFF, G., & DEICHMANN, W. V., (1963) Anatomical Record 147:379-, "The embryonic heart subjected to radar"

1191. PALIYEV, B., & GOSHEV, K. (1966) Voenno Meditsinsko Delo 21(4):34-41, "EKG changes occurring under the effects of a SHF-UHF electromagnetic field"

1192. PALLADIN, A. M., SPASSKAYA, I. M., & YAKUBOVICH, R. S. (1959) In: Summaries of reports, Labor Hygiene and the Biological Effect of Radio Frequency Electromagnetic Waves, Moscow, "On the health of women working around intermediate frequency generators"

1193. PALLADIN, A. M., SPASSKAYA, I. M., & YAKUBOVICH, R. S. (1962) Akusherstvo i Ginyekologiya (Obstetrics and Gynecology) 38(4):69-74, (In Russian), "The effect of SHF-UHF on the specific functions of women working with generators"

1194. PALMISANO, W. A., & PECZENIK, A. (1966) Military Medicine 131:611-618, "Some considerations of microwave hazards exposure criteria"

1195. PANOV, A. G., PORTNOW, A. A., LOBZIN, V. S., & POLYAK, V. P. (1966) Voenno Meditsinskii Zh. (Moskva), _(12):12-15, "Diencephalic asthenic conditions"

1196. PANOV, A. G., & TYAGIN, N. V. (1966) Voyenno Med. Zh. (Military Med. J.), USSR, _(9):13-16, "Symptomatology classification and expertise of SHF-UHF after-effects on the human organism"

1197. PARDZHANADZE, SH. K. (1954) Thesis, Collected Abstr. of Papers from the Research Institute of Spa Therapy and Physiotherapy of the Georgian SSR 21:198-, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept P-65-17, Apr. 1965), "The mechanism of action of HF-VHF electromagnetic fields on the organism"

1198. PARIN, (1963) Akademiya Meditsinskikh Nauk SSSR, Moscow, (NASA-TTF 228), "Aviation and space medicine"

1199. PARIN, V. V., & DAVYDOV, I. N. (1940) In: Problems of Physiotherapy and the Science of Health Resorts, Collection, Sverdlovsk, pp. 178-181, "The influence of a UHF field on experimental hypertension"

1200. PARKER, B., FURMAN, S., & ESCHER, D. J. W. (1969) Annals of the N. Y. Acad. of Science 167:823-, "Input signals to pacemakers in a hospital environment"

1201. PATTISHALL, E. G. (ed.) (1957) Proc. (1st)Tri-service Conf. on Biological Hazards of Microwave Radiation, 1, (15-16 July), (ARDC-TR-58-51; AD 115603), Sponsored by Air Research & Development Command Hdqs., U. S. Air Force

1202. PATTISHALL, E. G., & BANGHART, F. W., (eds.), (1958) Proc. 2nd Tri-service Conf. on Biological Effects of Microwave Energy, 2, (8-10 July), Sponsored by Rome Air Dev. Center, Air Res. & Dev. Command (Knauf, G. M., Chm.), 264 pages, (ARDS-TR-58-54; AD 131477)

1203. PAULY, H., PACKER, L., & SCHWAN, H. P. (1960) J. of Biophysics & Biochemical Cytology 7(4):589-, "Electrical properties of mitochondrial membranes"

1204. PAYNE, J. N. (1961) Proc. 4th Tri-service Conf. on the Biological Effects of Microwave Radiation, Vol. 1, Peyton, M. F., (ed.), pp. 319-325, "Similarities and differences between the technical aspects of the Navy HERO (Hazards from Electromagnetic Radiation to Ordnance) program for ordnance and the personnel hazard program"

1205. PEAKE, W. H. (1959) Ohio State Univ. Columbus, AF 336166158, (AD 417869), "The interaction of electromagnetic waves with some natural surfaces"

1206. PEARLMAN, W., & BALDWIN, M. (19__), (ref?) pp. 157-166, "Experimental designs in the study of biological effects during radio frequency transmission"

1207. PELIS, L., JR. (1964) Industrial Medicine & Surgery 33:866-868, "The hazards of low voltage radiation"

1208. PENNOCK, B. E., & SCHWAN, H. P. (1967), (Ph.D. Thesis), (ONR Tech. Rept. #41), (Electromedical Div., The Moore School of Electrical Engineering, Univ. of Pa., (Rept. #68-01)); (AD 655127), "The Measurement of the Complex Dielectric Constant of Protein Solutions at Ultrahigh Frequencies: Dielectric Properties of Hemoglobin Bound Water"

1209. PEREIRA, F. A. (1933) Comptes Rendus Acad. Sci. 197:1124-1125, (In French), "Oscillatory chemical mechanics: modification of chemical reactions under the influence of waveguide oscillator circuits"

1210. PEREIRA, F. A. (1935) Biochem. Z. 238:53-58, (In French), "On the effect of electromagnetic waves on enzyme systems"

1211. PERVUSHIN, V. YU. (1957) Biulleten Eksperimental'noy Biologii i Meditsiny (Moskva), 43(6):87-92, (Abstr. in Biological Effects of Microwaves: Compilation of Abstracts, ATD P-65-68, (1965), pp. 26-27, "Changes in the cardiac nervous mechanism due to SHF"), "Changes in the cardiac nervous mechanism during exposure to an SHF-UHF field"

1212. PERVUSHIN, V. YU., & TRIUMFOV, A. V. (1957) Trans. Milit. Med. Acad. imeni S. M. Kirov, (USSR) VMOLA, 73:141-151, "Morphological changes in some organs of rabbits subjected to the action of a SHF field"

1213. PETERS, W. J., JACKSON, R. W., IWANO, K., & GROSS, A. E. (1970) Presented before the New York Academy of Sciences, 4 Nov. at the Symposium entitled, "Effect of Controlled Electromagnetic Energy on Biological Systems", 11 pages, "The effect of microwave electromagnetic radiation on the growth of mammalian cells in tissue culture"

1214. PETROV, F. P. (1929) New Findings in the Reflexology and Physiology of the Nervous System, 3:pp?, Moscow, (In Russian), "The effect of electromagnetic fields on nerve stimulation"

1215. PETROV, F. P. (1935) In: Physicochemical Bases of Higher Nervous Activity, Leningrad, pp. 97-, "Effect of an electromagnetic field on isolated organs"

1216. PETROV, F. P. (1952) Trudy Instituta fiziologii imeni I. P. Pavlova. Akademiia nauk SSSR, Moskva, 1:369-376, "Effect of a low-frequency electromagnetic field on higher nervous activity"

1217. PETROV, I. R. (Ed.), (1967) VMOLA im. S. M. Kirov Publ. House, (USSR), Medical-Biological Problems of SHF-UHF Radiation (In Russ.)

1218. PETROV, I. R. (1968) Voyenno Med. Zh. (Military Med. J.), USSR, _(5):21-24, "Factors involved in the etiology of injuries due to SHF-UHF electromagnetic energy"

1219. PETROV, I. R., & SUBBOTA, A. G. (1964) Voyenno Med. Zh. (Military Med. J.), USSR, _(9):26-31, "Mechanism of the action of SHF-UHF electromagnetic radiation"

1220. PETROV, I. R., & SUBBOTA, A. G. (1966) Voenno Meditsinskii Zh., _(2):16-21, (ATD Abstract (?) I-9841, pp. 21-,), "Effect of electromagnetic radiations of superhigh frequency range upon the organism" (Review of the literature)

1221. PETROV, I. R., & YAROKHNO, N. Y. (1967) Voyenno Meditsinskii Zh., USSR Military Med. Journal, _(7):26-30, (Abstr. in: Soviet Radiobiology, ATD 68-105-108-9, June 1968, pp. 83-84), "The combined effect on animal organisms of SHF-UHF electromagnetic waves, and breathing of a gas mixture with low oxygen content"

1222. PETROV, I. R., & YAROKHNO, N. Y. (1967) Voyenno-Meditsinskiy Zh., USSR Military Med. Journal, _(4):20-21, (Abstr. in: Soviet Radiobiology, ATD 68-105-108-9, June 1968, pp. 82-83), "Increased resistance to SHF-UHF irradiation under conditions of systematic muscular activity"

1223. PEYTON, M. F. (ed.) (1961) Proc. 4th Tri-service Conf. on the Biological Effects of Microwave Radiation, Vol. 1, (Knauf, G. M., Chm.) held at New York Univ. Medical Center, 16-18 Aug. 1960, (Plenum Press)

1224. PEZZI, G. (1954) Annali di Medicina Navale e Tropicale 59:473-, "Radar waves in therapy"

1225. PFLOMM, E. (1931) Archiv fur Klinische Chirurgie 166:251-305, (In German), "Experimental and clinical investigations concerning the effect of ultrashort electrical waves on inflammation"

1226. PICCARDI, G. (1959) Ricerca sci. 29:1252-1254, "The structure of water and the influence of low-frequency electromagnetic fields"

1227. PICKET, J., & SCHRANK, A. (1965) Texas J. of Science 17:245-, "Responses of coleoptiles to magnetic and electric fields"

1228. PICKERS, B. A., & GOLDBERG, M. J. (1969) British Medical J. 2:504-506, "Inhibition of a demand pacemaker and interference with monitoring equipment by radio-frequency transmissions"

1229. PIESLAK, W. (1967) Ochrona pracy, Warsaw, 22(8):22-24, (In Polish), (English abstr. in Nuclear Science Abstr. 22(23): #49597, 1968), "Protection from the effects of high frequency electromagnetic radiation"

1230. PINAKATT, T. L., COOPER, T., & RICHARDSON, A. W. (1963) Aerospace Med. 34(6):497-499, "Effect of onabain on the circulatory response to microwave hyperthermia in rat"

1231. PINAKATT, T. L., & RICHARDSON, A. W., (1963) Federation Proceedings 22(2):176-, "Effects of onabain on the circulatory response of the rat to microwave hyperthermia"

1232. PINAKATT, T. L., RICHARDSON, A. W., & COOPER, T. (1965) Archives Internationales de Pharmacodynamie et de Therapie, Gand, Belgium, 156(1):151-160, "The effect of digitoxin on the circulatory response of rats to microwave radiation"

1233. PINNEO, L. R., BAUS, R., McAFEE, R. D., & FLEMING, J. D. (1962) Summary rept., Tulane Univ., New Orleans, La., 24 pages, (AD 277684; RADC-TDR-62-231), "The neural effects of microwave radiation"

1234. PINNEO, L., SPEAR, V., & FLEMING, J. (1961) In: Digest of Internat. Conf. on Medical Electronics, Biological Effects of Microwaves, I (Athermal Aspects), Frommer, P. L., (ed.), p. 227 only, "Relationships involved in considering effects of microwaves in the central nervous system"

1235. PIONTKOVSKIY, I. A. (1936) Nauch Khronika GIFF, Moscow, (2), pp? "The effect of ultrashort waves on reflex excitability"

1236. PIONTKOVSKIY, I. A., & YANOSHEVSKAYA, R. K. (1944) Moscow, (In Russian), Physical Methods of Frostbite Therapy

1237. PIROVANO, A. (1934) In: Proc. of the 1st Internat. Congress of Electro-Radio-Biology, (Cappelli, L., ed.), pp. 134-144, (In Italian with English Summary), "Interaction of electromagnetic fields with biological materials"

1238. PISH, G. W., STOREY, W. H., TRUBY, F., & ROLLWITZ, W. (1959) USAF Report RADC-TR-59-81, (AD 216431), (Also in: Proc. 3rd Tri-service Conf. on Biological Effects of Microwave Radiating Equipments, Susskind, C., (ed.), pp. 251-270), and (In: Investigators' Conf. on Biological Effects of Electronic Radiating Equipments, Knauf, G. M. , (chm.), pp. 33-36), "A preliminary investigation of the applications of magnetic resonance absorption spectroscopy to the study of the effects of microwaves on biological materials"

1239. PISKUNOVA, V. G. (1957) Gigiena Truda i Professional'nye Zabolevaniya (Moskva) (6):27-30, (In Russian), "The health of workers exposed to high frequency electromagnetic fields"

1240. PISKUNOVA, V. G. (1958) Sborn. Rabot i Avtoref Po Voprosam Gig. Tr., Kharkov, pp. 144-146, (Also in: Papers of the Scientific Sessions of the Institute on Questions of Industrial Hygiene in Mining, Chemical, and Machine Construction Industries, Khar'kov, (1956), pp. 45-46), "The health of workers exposed to high frequency electromagnetic fields"

1241. PITENIN, I. V. (1962) In: Summaries of reports, Questions of the Biological Effect of a SHF-UHF electromagnetic field. Kirov Order of Lenin Military Medical Academy, Leningrad, pp. 36-38, "Pathological and anatomical changes in animal organs and tissues during the influence of a SHF-UHF electromagnetic field"

1242. PITENIN, I. V., & SUBBOTA, A. G. (1965) Biulleten Eksperimental'noi Biologii i Meditsiny, Moskva, 60(9):55-59, "On the development of gastric ulcer in rabbits following irradiation of the epigastrium with ultrahigh frequency radiation"

1243. PIVIVAROV, M. A. (1962) In: Summaries of reports, Questions of the Biological Effect of a SHF-UHF Electromagnetic field. Kirov Order of Lenin Military Academy, Leningrad, "The effect of microwave fields of low intensity on some physiologic 'detectors'"

1244. PIZZOLATO, P., BERGER, C., & McAFEE, R. D. (1961) Digest of the Internat. Conf. on Medical Electronics, Biological Effects of Microwaves, I (Athermal Aspects), (Frommer, P. L., ed.), Plenum Press, New York, pp. 196-, "Tissue injury from microwave radiation"

1245. PLEKHANOV, G. F. (1965) In: Bionika Gaaze, Rapoport, M. G., & Yakobi, V. E., (eds.), Nauka Publ. House, Moscow, pp. 273-277, (N66-24170; JPRS 35125; TT-66-31562), "Some material on interpretation of information by living systems"

1246. PLEKHANOV, G. F., & VEDYUSHKINA, V. V. (1966) Zh. Vysshei Nervnoi Deyatel'nosti imeni i p Pavlova, USSR, 16(1):34-37 (N66-26928),"Elaboration of a vascular conditioned reflex in man to a change in the intensity of an electromagnetic field of high frequency [Effect of an EMF on human reflexes]"

1247. PLURIEN, G., SENTENAC-ROUMANOU, H., JOLY, R., & DROUET, J. (1966) Comptes Rendus des Seances de la Societe Biol., Paris, 160:597-599, "Influence of electromagnetic radiation emitted by radar on the phagocytic function of cells in the reticulo endothelial system of mice"

1248. POKORNY, J., & JELINEK, V. (1967) Neoplasma 14(5):479-485, "Investigations of the effect of combined electromagnetic fields on neoplastic malignancy growth - A contribution to the problem"

1249. POKORNY, J., & JELINEK, V. (1968) Casopis Lekaru Ceskych 107(16):474-482, "The effect of coherent electromagnetic field on neoplastic malignant processes"

1250. POL, W. (1962) Lekarz Wojskowy, Poland, (4)/:318-327, (AD 433135; FTD-TT-63-1070), "Effect of microwaves emitted by radar transmitters on the origin of cataracts"

1251. POLLACK, H., & HEALER, J. (1967) Institute for Defense Analysis, Research & Engineering Support Div., (Internal Report No. N-451;/ "Review of information on hazards to personnel from high-frequency electromagnetic radiation" IDA/HQ 67-6211),

1252. PONOMAREV, A. V. (1940) In: Papers on the Use of Short- and Ultra-short Waves in Medicine, Medgiz, Moscow, pp. 90-, "Action of UHF on micro-organisms and on immuno-biological processes"

1253. PONOMAREV, A. V., & KAMBAROVA, O. I. (1937) In: Biological Action of Ultrahigh Frequency Ultrashort Waves, pp. 193-, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, Apr. 1965), "Influence of UHF on the nervous system in immunization reactions"

1254. POPOV, N. A., GUBAREV, F. A., VADIMOVA, M. A., & MALEVANNAIA, J. T. (1940) Trudy State Sci. Res. Inst. Fizioterap. 6:314-, (Moscow Gosudarstvenny nauchno-issledovatel'skii institut fizioterapii), (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, Apr. 1965), "On local action of diathermy and UHF on the so-called vegetative centers of the brain"

1255. POPOV, N. A., & MARKOVNIKOVA, YE. P. (1940) Biulleten Eksperimental'noi Biologii i Meditsiny (Moskva) 6(1):pp?, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, Apr. 1965), "The problems of the effect of a high frequency electromagnetic field on the vegetative cerebral centers" [Discusses reduction of blood sugar level by irradiation of the head of dogs with UHF]

1256. POTTER, R. R. (1961) U. S. Naval Weapons Laboratory, Technical Memorandum No. W-2/61 (Jan.), "Proposed Naval weapons design requirements to preclude hazards from environmental electromagnetic fields"

1257. POVZHITKOV, V. A., TYAGIN, N. V., & GREBESHECHNIKOVA, A. M. (1961) Biulleten Eksperimental'noi Biologii i Meditsiny, Moskva, 51(5):103-109* (Abstr. in: Biological Abstracts, 37, No. 12874 (1962)), "The influence of SHF pulsed electromagnetic field on conception and the course of pregnancy in white mice" *in English Transl. 51, pp. 615-618 (1961),

1258. POWELL, C. C. (1959) Amer. J. of Public Health 49:1-9, "Radiation hazards"

1259. POZOS, R. S., RICHARDSON, A. W., & KAPLAN, H. M. (1969) Proc. of the "Biological Effects and Health Implications of Microwave Radiation" Symposium, (Cleary, S. F., ed.), Medical College of Va., Richmond, 17-19 Sept., Bureau of Radiological Health/ Division of Biological Effects, Rept. No. 70-2, pp. 70-75, "Non-uniform biophysical heating with microwaves"

1260. PRATT, C. B., & SHEARD, C. (1935) Arch. of Physical Therapy 16:268-271, "Thermal changes produced in tissues by local applications of radiothermy"

1261. PRATT, C. B., & SHEARD, C. (1935) Protoplasma 23:24-33, "The effects of intravenous injection into rabbits of strains of streptococci which have been exposed to the high-frequency field"

1262. PRAUSNITZ, S., & SUSSKIND, C. (1959) Proc. 3rd Tri-service Conf. on Biological Effects of Microwave Radiating Equipments, (Susskind, C., ed.) 3:33-45, "Temperature regulation in laboratory animals irradiated with 3-cm microwaves"

1263. PRAUSNITZ, S. & SUSSKIND, C. (1962) In: "Nonthermal Effects of Microwave Radiation", Scientific Rept., Institute of Engineering Research, Univ. of Calif., Berkeley, Series No. 60, Issue No. 478, (Also, Institute of Radio Engineers Trans. on Bio-Medical Electronics, BME-9:104-108), "Effects of chronic microwave irradiation on mice"

1264. PRAUSNITZ, S., SUSSKIND, C., & VOGELHUT, P. O. (1961) Proc. 4th Tri-service Conf. on the Biological Effects of Microwave Radiation, Vol. 1, (Peyton, M. F., ed.),/"Longevity and cellular studies with microwaves" pp. 135-142

1265. PRESMAN, A. S. (1954) Gosenergoizdat, Moscow, Centimeter Waves

1266. PRESMAN, A. S. (1954) In: Annotations of Scientific Works of the Academy of Medical Sciences of the USSR, Moscow, pp. 479-, "An instrument for measuring the intensity of irradiation of 10-centimeter waves in industrial conditions"

1267. PRESMAN, A. S. (1956) Gigiena i Sanitariya, USSR, _(9):32-37, "The electromagnetic field as a hygienic factor"

1268. PRESMAN, A. S. (1956) Uspekhi Sovremennoy Biologii, USSR, (Progress of Modern Biology) 41(1):40-54, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, Apr. 1965), (OTS-59-21107), "Physical aspects of the biological action of centimeter waves"

1269. PRESMAN, A. S. (1956) Biulleten Eksperimental'noi Biologii i Meditsiny (Moskva) 43(2):51-54, "Temperature changes of the human skin irradiated with low intensity waves several centimeters in length"

1270. PRESMAN, A. S. (1957) Biulleten Eksperimental'noi Biologii i Meditsiny, Moskva, 43(2):51-54, "Change in the human body and skin temperature due to irradiation with low-intensity electromagnetic waves several centimeters in length"

1271. PRESMAN, A. S. (1957) Gigiena i Sanitariya, USSR, _(1):29-35, (OTS-59-21101, H-3825), "Methods of evaluation of the effective energy of the electromagnetic field under industrial conditions"

1272. PRESMAN, A. S. (1957) Proc. of the Jubilee Scientific Session of the Institute of Labor Hygiene and Occupational Diseases, Moscow, pp. 72-, "The hygienic evaluation of high-frequency electromagnetic fields"

1273. PRESMAN, A. S. (1958) Biofizika 3(3):335-338, (Abstr. in: Biological Effects of Microwaves: Compilation of Abstracts, ATD P-65-68, 1965, pp. 69-70, "Methods of irradiating animals with UHF fields"), (Also, Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, Apr. 1965), "Methods of experimentally irradiating small animals with centimeter waves"

1274. PRESMAN, A. S. (1958) Gigiena i Sanitariya, USSR, _(1):21-27, "Method of protection from the action of radio frequency electromagnetic fields under industrial conditions"

1275. PRESMAN, A. S. (1960) In: Physical Factors of the Environment, (Letavet, A. A., ed.), pp. 142-151, "A hygienic evaluation of high frequency electromagnetic fields"

1276. PRESMAN, A. S. (1960) In: Elektronika V Meditsine (Electronics in Medicine), Berg, A. I., (ed.), pp. 219-227, (Abstr. in: Biological Effects of Microwaves: Compilation of Abstracts, ATD P-65-68, pp. 72-74, "The use of microwaves for therapeutic and biological purposes"), (Also, Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, Apr. 1965), "Microwaves in physiotherapy and biological investigations"

1277. PRESMAN, A. S. (1960) Novosti Meditsinskoi Tekhniki, Moskva, _(4):51-55, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, Apr. 1965), "An experimental device for the dosed irradiation of rabbits with microwaves in the 10 centimeter range"

1278. PRESMAN, A. S. (1961) Biofizika 6(3):370-371, (In Russian), "Experimental apparatus for microwave irradiation of protein solutions"

1279. PRESMAN, A. S. (1961) Nauka i Zhizn' _(7):88-89, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, Apr. 1965), "More intricate methods of investigation are needed"

1280. PRESMAN, A. S. (1962) In: Summaries of reports, 2nd All Union Conf. on the Application of Radioelectronics in Biology and Medicine, Niiteir, (Publisher?), pp. 21-, "Problems concerning the mechanism of the nonthermal action of microwaves"; and pp. 23-, "Methods of measured irradiation with microwaves in biological experiments"

1281. PRESMAN, A. S. (1963) Biofizika 8(1):138-140, "Excitability in paramecium stimulated with DC and AC pulses"

1282. PRESMAN, A. S. (1963) Biofizika 8(2):258-260, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, Apr. 1965), "Effect of microwaves on paramecium" (Letters to the Editor)

1283. PRESMAN, A. S. (1963) Uspekhi Sovremennoy Biologii (Progress of Modern Biology) 56(2):161-179, (Abstr. in: Biological Effects of Microwaves: Compilation of Abstracts, ATD P-65-68 (1965), pp. 78-79, "Review of the mechanism of the biological effect of microwaves"), (JPRS 22580, Jan. 1964; OTS 64-21190; N64-12357), "Problems of the mechanism of the biological effect of microwaves"

1284. PRESMAN, A. S. (1963) Biol. i Med. Elektronika _(5):56-, "A method of determining the excitation thresholds of the neuromuscular apparatus of animals"; and ibid. (6):76-, "A method of comparative irradiation of protein solutions with microwaves and infrared rays"

1285. PRESMAN, A. S. (1964) Zarubezhnaya Radioelektronika _(3):63-, (Part I), and _(4):67-, (Part II), "Investigation of the biological effect of microwaves"

1286. PRESMAN, A. S. (1964) Biofizika 9(1):131-134, (In Russian), (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, Apr. 1965), (Also abstr. in: Biological Effects of Microwaves: Compilation of Abstracts, ATD P-65-68, (1965), pp. 81-82, "The role of electromagnetic fields (EMF) in living processes"), (AD 625857; N66-18516; FSTC 381-T65-601), "The role of electromagnetic fields in living processes"

1287. PRESMAN, A. S. (1965) Nauka i Zhizn' _(6):82-88, (JPRS 31501; TT-65-31997; N65-31004), "Effect of electromagnetic radiations on living organisms"

1288. PRESMAN, A. S. (1965) Uspekhi Fizicheskikh nauk, Moscow, 86(6):263-302, (In: Soviet Physics Uspekhi 8(3):463-488; Amer. Inst. of Physics), (JPRS 33054; N66-12294; TT-65-33631), "The action of microwaves on living organisms and biological structures"

1289. PRESMAN, A. S. (1966) Proc. of Symposium on Problems of Neurocybernetics, Moscow, pp. 41-, "Electromagnetic fields in neurocybernetics"

1290. PRESMAN, A. S. (1966) Proc. of Conf. on the Effect of Magnetic Fields on Biological Objects, Moscow, pp. 59-, "Some general methodological questions of bioelectromagnetic investigations"

1291. PRESMAN, A. S. (1967) In: Questions of Bionics, Nauka, Moscow, pp. 341-, "Electromagnetic fields and regulation processes in biology"

1292. PRESMAN, A. S. (1967) Byulleten Moskovskogo Obshchestva Ispytatelei Prirody Otdel Biologicheskii, USSR, 52:149-, "The role of electromagnetic fields in evolution and the vital activity of organisms"

1293. PRESMAN, A. S. (1967) Proc. of Symposium on Physics and Biology, Moscow, pp. 13-, "The interaction of physics and biology in the investigation of the biological effect of electromagnetic fields"

1294. PRESMAN, A. S. (1968) Izd-vo Nauka, Moscow, 287 pages, (English Transl. in: USSR Sci. Abstr., Bio-Medical Sciences 62:49-52 (1968)), (In Russian), Electromagnetic Fields and Animate Nature (See also citation #1295)

1295. PRESMAN, A. S. (1970) (Translated from Russian by Sinclair, F. L.) Brown, F. A., Jr., (ed.), Plenum Publ. Co., New York, 332 pages, Electromagnetic Fields and Life: Effects of Electromagnetic Fields on Living Organisms, (Transl. of citation #1294)

1296. PRESMAN, A. S., & KAMENSKIY, YU. I. (1961) Biofizika 6(2):231-233, (In Russian), "Experimental apparatus for studying the excitability of neuromuscular preparations during irradiation by microwaves"

1297. PRESMAN, A. S., KAMENSKIY, YU. I., & LEVITINA, N. A. (1961) Uspekhi Sovremennoy Biologii 51(1):82-103, (In Russian), (JPRS 9451), (Abstr. in: Biological Effects of Microwaves: Compilation of Abstracts, ATD P-65-68 (1965), pp. 74-76, "Review of the biological effects of microwaves"), "Biological effect of microwaves"

1298. PRESMAN, A. S., & LEVITINA, N. A. (1962) Part I. Biulleten Eksperimental'noi Biologii i Meditsiny 53(1):41-44; Part II., ibid., 53(2):39-43, (1962), (In Russian), (Part I. Bulletin of Experimental Biology & Med. 52:36-39 (1962), Part II., ibid., 53(2):pp.? (1963), "Nonthermal action of microwaves on cardiac rhythm: Communication I. A Study of the action of continuous microwaves; Communication II. The action of pulsed microwaves"); (Part I: AD 288404; FTD-TT-62-278-1, 2, & 4; Part II: AD 283882); (Abstr. in: Biological Effects of Microwaves: Compilation of Abstracts, ATD P-65-68, (1965), Part I, pp. 38-39; Part II, pp. 40-41, "Nonthermal effect of pulsed microwaves on mammalian cardiac rhythm"); (Also abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, Apr. 1965), "The nonthermal effect of microwaves on the systolic rhythm of animals. Report No. I, The effect of non-pulsed microwaves"; Report No. II, "The effect of pulsed microwaves"

1299. PRESMAN, A. S., & LEVITINA, N. A. (1962) Radiobiologiya 2(1):170-171, (In Russian), (AEC TR-5428, pp. 258-; TID-3912, pp. 447-), "Influence of nonthermal microwave radiation on the survivability of gamma irradiated animals"

1300. PRESMAN, A. S., & RAPPEPORT, S. M. (1964) Biologicheskie Nauki (formerly Nauchnye Doklady Vysshei Shkoly Biologicheskie Nauki) USSR, _(1):48-, "New data on the existence of an excitable system in paramecia. I. Reactions of paramecia to direct current pulses"; ibid. _(3):44-, "II. Reactions of paramecia to ac pulses"

1301. PRESMAN, A. S., & RAPPEPORT, S. M. (1965) Biulleten Eksperimental'noi Biologii i Meditsiny (Moskva) 59(4):48-52, (In Russian); (In English, Bulletin of Experimental Biology and Medicine 59(?):pp.? (1965)), "Effect of microwaves on the excitable (sensory) systems of paramecia"

1302. PROMTOVA, T. N. (1956) Vysshei Nervnoi Deyatel'nosti imeni i p Pavlova, USSR, 6(6):846-854, (Also in Psychological Abstracts 32(3), No. 2398 (1958)), "The effect of a continuous UHF electrical field on the higher nervous activity of dogs under normal and pathological conditions"

1303. PUHARICH, H. K. & LAWRENCE, J. L. (1964) Report, 77 pages, (AD 459956; RADC TDR-64-18), "Electro-stimulation techniques of hearing"

1304. PUKHOV, V. A. (1965) Pathologicheskaia Fiziologia i Eksterimental'naia Terapiia (Moskva) 9(6):72-73, (JPRS 36,906), "SHF-UHF electromagnetic wave effects on mice cause induced changes of the functional state of the central nervous system"

1305. PUSCHER, H. (1966) Springer-Verlag, New York, 337 pages, Heating with Microwaves - Fundamentals, Components, and Circuit Techniques

1306. QUON, K. C. (1960) U. S. Navy Medical News Letter 36(10):29-34 (18 Nov.), (Originally in: Industrial Med. & Surgery 29: 315-318 (July), "Hazards of microwave radiation"

1307. RAE, J., JR., HERRICK, J. F., WAKIM, K., & KRUSEN, F. (1949) Arch. of Physical Med. 30:199-211, "A comparative study of the temperatures produced by microwave and shortwave diathermy"

1308. RAE, J., JR., MARTIN, G., TREAMOR, W., & KRUSEN, F. (1950) Proc. of Staff Meetings, Mayo Clinic, 25:441-446, "Clinical experience with microwave diathermy"

1309. RAICHILSON, R. R., & EMERY, E. (1951) Lockheed Aircraft Corp., California, Rept. ERM 5217, "Deleterious effects of the radar beam"

1310. RAJEWSKY, V., & SCHWAN, H. (1948) Naturwissenschaften 10:315-, "The dielectric constant and conductivity of the blood at ultra-high frequencies"

1311. RANDALL, B. F., IMIG, C. J., & HINES, M. H. (1952) Arch. of Physical Med. 33:73-81, "Effects of some physical therapies on blood flow"

1312. RASSADIN, A. M. (1965) Trans. Sci. Conf. of the Central Sci. Lab. Tomsk, (2):357-359, "Dependence of morphological changes in the kidneys on their functional load under the action of a low frequency electromagnetic field"

1313. RAWLS, O. B., GRAYSTON, C. M., & McDONALD, B. M. (1959), (AFMTC-TN-59-4 (C)), (Classified) "RF radiation hazards; Air Force Missile Test Center Ordnance - Bio-effects - Fuel"

1314. RAWLS, O. B., STILWELL, R. J., & McDONALD, B. M. (1961) RCA Service Co. report, 103 pages, (WO-047832), (AD 260721; AFMTC TR-61-14), "RF radiation hazards: fuel, ordnance, and bio-effects"

1315. REHNBERG, G. L., MOGHISSI, A. A., & PEPPER, E. W. (1969) Proc. of the "Biological Effects and Health Implications of Microwave Radiation" Symposium, (Cleary, S. F., ed.), Medical College of Va., Richmond, 17-19 Sept., Bureau of Radiological Health/Division of Biological Effects, Rept. No. 70-2, pp. 101-103, "Effects of microwaves on optical activity"

1316. REINS, D. A., & WEISS, R. A. (1969) Work Order No. 523-003-10, Navy Clothing and Textile Research Unit, Natick, Mass., "Physiological evaluation of effects on personnel wearing the microwave protective suit and over-garment"

1317. REINER, S. (1967) In: Therapeutic Electricity and Ultraviolet Radiation, Licht, S. H., (ed.) 2nd edition, Licht, E., Publisher, New Haven, Conn., (Vol. 4 of Physical Medicine Library), Chapt. 2, pp. 70-104, "Instrumentation for electrotherapy"

1318. REITER, P. J. (1936) Zentralblatt fur die gesamte Neurologie and Psychiatrie 156:382-404, (In German), "The biological effect of shortwaves on the brain and investigation of a therapy for chronic brain diseases"

1319. REITER, T. (1933) British J. of Physics 8:119-, "Some investigations of short waves"

1320. REVIGLIO, G. M. (1934) Abstr. of the 1st Internat. Congress of Electro-Radio-Biology, Cappelli, L., (ed.), Bologna, Italy, pp. 387-395, (In Italian with English summary),"On the topic of short wave diathermic generators"

1321. REVUTS'KYY, YE. L. (1964) Akademiya nauk UKRSSR. Fiziologichnyy Zh. 10(5):636-640, (JPRS 27982; N66-1505), (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, Apr. 1965), "The effect of high-frequency (13.56, 39 to 41, and 2375 Mc) electromagnetic oscillations on the motor function of the human stomach"

1322. REVUTS'KYY, YE. L. (1965) Akademiya nauk UKR SSR, Fiziologichnyy Zh., 11(3):380-384, (Abstr. only in ATD Press, Special Issue, "Biomedical Microwave Research", 4(43), Aug, 1965), "The effect of HF, VHF, and UHF radiation on the secretory and excretory functions of the human stomach"

1323. REVUTS'KYY, YE. L., & EYDEL'MAN, F. M. (1964) Fiziologichnyy Zh. Akademiya nauk UKR SSR, 10(3):379-383, (Abstr. in Biological Effects of Microwaves, ATD P-65-68, Sept. 1965, pp. 14-18, "Effects of meter and centimeter waves on human hemodynamics"), N64-31540; (Also, Biological Abstracts (Biophysics Section) 46:430, (196_), #5407), "Effect of centimeter and meter waves on the content of biologically active substances in human blood"

1324. REYNOLDS, M. R. (1961) Proc. 4th Tri-service Conf. on the Biological Effects of Microwave Radiation, Vol. 1, (Peyton, M. F., ed.) pp. 71-84, "Development of a garment for protection of personnel working in high-power RF environments"

1325. REYZIN, M. S., & MOTSNYI, P. E. (1939) Dnepropetrovsk, Universitet, Institut Fiziologii Sbornik rabot, 2:21-, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, Apr. 1965), (Title not given), [Deals with induced changes in nerve upon UHF exposure]

1326. REZNIKOVA, L. (1937) Biologicheskoye deystviye UVCh. Simpozium, (Biological effect of ultra-high frequencies. Symposium) Moscow, pp. 373-, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, 1965), (Title not given), [Discusses biochemical analysis of UHF irradiated tissue]

1327. RICCIONI, B. (1934) In: Abstr. of the 1st Internat. Congress of Electro-radio-biology, Cappelli, L., (ed.), Bologna, Italy, pp. 152-229, (In Italian with English summary), "On the increase in grain production by the preliminary electrical exposure of the seed"

1328. RICHARD, W., & LOOMIS, A. (1927) Proc. of the National Academy of Sciences 15:587-, "Dielectric losses in electrolyte solutions in high frequency fields"

1329. RICHARDSON, A. J. (1954) J. of Physical Med. 33(2):103-107, "Effect of microwave induced heating on the blood flow through peripheral skeletal muscles"

1330. RICHARDSON, A. W. (1955) British J. of Physical Med. 18(7):143-, "The effectiveness of microwave diathermy therapy as a hyperthermic agent upon vascularized and avascular tissue"

1331. RICHARDSON, A. W. ((197) Proc. 1st Tri-service Conf. on Biological Hazards of Microwave Radiation, (Pattishall, E. G., ed.) 1:109-110, "Abstract of report on pathologic effects of three centimeter microwaves of low magnitude, and demonstration of dosimeters to assay accumulated microwave energy"

1332. RICHARDSON, A. W. (1958) Proc. 2nd Tri-service Conf. on Biological Effects of Microwave Energy, (Pattishall, E. G., & Banghart, F. W., eds.), 2:169-174, "Review of the work conducted at University of St. Louis (USN sponsored)"

1333. RICHARDSON, A. W. (1959) Blood 14(11):1237-, "Blood coagulation changes due to electromagnetic microwave irradiations"

1334. RICHARDSON, A. W. (1959) In: Investigators' Conf. on Biological Effects of Electronic Radiating Equipments, (Knauf, G. M., Chm.), (RADC-TR-59-67, pp. 37-41; AD 214693; Also? AD 131477), "Review of work conducted at St. Louis Univ. School of Medicine"

1335. RICHARDSON, A. W. (1959) Proc. 3rd Tri-service Conf. on Biological Effects of Microwave Radiating Equipments, (Susskind, C., ed.) 3:244-250, (RADC-TR-59-140; AD 234788), "New microwave dosimetry and the physiologic need"

1336. RICHARDSON, A. W. (1966) St. Louis Univ. School of Medicine, (NONR-130402), (AD 484726L), "Studies concerned with the biologic effects of microwave irradiations of different frequencies"

1337. RICHARDSON, A. W. (1968) Scientia (Milan) 103:447-453, (Abstr. in: Nuclear Science Abstracts 23(19):3978, #38860, 1969), "Biologic effects of non-ionizing electromagnetic radiations"

1338. RICHARDSON, A. W., DUANE, T. D., & HINES, H. M. (1948) Arch. of Physical Med. 29(12):765-769, "Experimental lenticular opacities produced by microwave irradiations"

1339. RICHARDSON, A. W., DUANE, T. D., & HINES, H. M. (1951) Amer. Medical Assoc. Arch. of Ophthalmology 45:382-386, "Experimental cataract produced by three centimeter pulsed microwave irradiations"

1340. RICHARDSON, A. W., IMIG, C. J., FEUCHT, B. L., & HINES, H. M. (1950) AMA Arch. of Physical Med. 31:19-25, "The relationship between deep tissue temperature and blood flow during electromagnetic irradiation"

1341. RICHARDSON, A. W., LOMAX, D. H., NICHOLS, J., & GREEN, H. D. (1952) Amer. J. of Ophthalmology 35:993-, "The role of energy, pupillary dimeter and alloxan diabetes in the production of ocular damage by microwave irradiations"

1342. RICHARDSON, A. W., et al. (1969?) From: Systems Engineering and Consultant Corp., Tulsa, Oklahoma, "Microwave/radar radiation measuring instrument (advanced information)"

1343. RICHARDSON, P. D., & WHITELAW, J. H. (1967) In: Digest of the 7th Internat. Conf. on Medical and Biological Engineering, (Jacobson, B., ed.), Stockholm, p. 398 only, "The response of human skin to localized heat sources"

1344. RICHTER, W. R. (1964) U. S. Army Medical Research Laboratory Rept. 600, (AD 440272), 12 pages, "Effects of RF energy on tissue cultures"

1345. RIEKE, F. E. (1953) Industrial Medicine & Surgery 23:328-, "Unplanned radio wave diathermy at place of work"

1346. RIVIERE, M. R., PRIORE, A., & BERLUREAU, F. (1964) Comptes Rendus acad. sci. 259:4895-4897, (In French) "Effect of electromagnetic fields on implanted T-8 tumors in the rat"

1347. RIVIERE, M. R., PRIORE, A., & BERLUREAU, F. (1965) Comptes Rendus acad. sci. 260:2099-2102, (Also, Semaine des Hopitaux Informations, Paris, 11:6-,) "Effect of electromagnetic fields on transplantable lymphoblastic sarcoma in the rat", (In French)

1348. RIVIERE, M. R. PRIORE, A., & BERLUREAU, F. (1965) Semaine des Hopitaux Informations Paris, 11:3-, (In French), "Action of electromagnetic fields on skin graft of T-8 tumor in the rat"

1349. RIVIERE, M. R., PRIORE, A., & BERLUREAU, F. (1965) Comptes Rendus acad. sci. 260:2639-2643, (In French), "Regression phenomenon observed on the skin grafts of lymphosarcoma in mice exposed to ultra-high frequency electromagnetic radiation"

1350. ROBERTS, A. M. (1969) Nature (London) 223(5206):639 only, "Effect of electric fields on mice"

1351. ROBERTS, A. M. (1970) J. of Theoretical Biology 27(1):97-106, "Motion of Paramecium in static electric and magnetic fields"

1352. ROBERTS, J. E., & COOK, H. F. (1952) British J. of Applied Physics 3:33-40, "Microwaves in medical and biological research"

1353. ROCK, J. (1969) Medical Aspects of Human Sexuality 3(9):45 only, "Scrotal temperature and fertility"

1354. RODICHEVA, E. K., GITELZON, I. I., & TERSKOV, I. A. (1965) Trans. of Sci. Conf. Central Sci. Lab., TOMSK, (2):319-322, (The Biological Effects of Electromagnetic Fields), "The effect of constant electric and alternating electromagnetic fields on the biosynthesis of chlorella during continuous culture"

1355. ROFFO, A. E., JR. (1934) In: Abstr. of the Internat. Congress of Electro-radio-biology, Cappelli, L., (ed.), Bologna, Italy, pp. 230-242, (In French with English summary), "Modification of electrocardiographic results produced by the application of high frequency electromagnetic fields"; ibid., pp. 396-414, "Relation of high frequency electromagnetic fields on cellular multiplication of in vitro tissue cultures"; and ibid., pp. 415-439, "Action of high frequency electromagnetic fields on photodynamics of colored materials in the heart of bacteria"

1356. ROGERS, S. J. (1969) Proc. of the "Biological Effects and Health Implications of Microwave Radiation" Symposium, (Cleary, S. F., Ed.), Medical College of Virginia, Richmond, 17-19 Sept. 1969, Bureau of Radiological Health/Division of Biological Effects, Rept. No. 70-2, pp. 222-232, "Radio frequency radiation hazards to personnel at frequencies below 30 MHz"

1357. ROGOVAYA, T. Z., TROITSKIY, S. A., & LASHCHENKO, N. S. (1959) In: Summaries of reports, Labor Hygiene and the Biological Effect of Radio Frequency Electromagnetic Waves. Moscow, p. 34 only, "The state of health of workers having long contact with high frequency electromagnetic equipment"

1358. ROHRSCHNEIDER, W. (1955) Munch. Med. Wschr. 97:33-37, "Radiation damage and protection for the eye against radiation"

1359. ROLLWITZ, W. L. (1958) Proc. 2nd Tri-service Conf. on Biological Effects of Microwave Energy, (Pattishall, E. G., & Banghart, F. W., eds.), 2:254-264, "Review of the work conducted at Southwest Research Institute on the use of electron paramagnetic resonance to evaluate the chemical and/or physical changes in the lenses of eyes irradiated by microwaves (USAF sponsored)"

1360. ROLNICK, H. C. (1935) Arch. of Physical Therapy 16:391-393, "Status of electrosurgical prostatic resection"

1361. ROMAN, J. (1958) Proc. 2nd Tri-service Conf. on Biological Effects of Microwave Energy, (Pattishall, E. G., & Banghart, F. W., eds.), 2:70-78, "Radio frequency hazards aboard naval ships"

1362. ROMAN, J. (1959) The Engineer's Digest, CG-133, No. 118 (Sept.-Oct.), pp. 39-, "Calculating power densities in the vicinity of radar antennas"

1363. ROMANOV, V. I. (1940) Trans. of the 1st Conf. on Problems in the Application of Shortwaves and Ultrashort Waves in Medicine, Medgiz, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, Apr. 1965), "High frequency fields as a method of studying molecular structures"

1364. RONALD, K. (1962) Canadian J. of Zoology 41(2):197-217, "The effects of physical stimuli on the larval stage of Tenanova - decipiens. III. Electromagnetic spectum galvanotaxis"

1365. ROSE, D. L., & MEAD, S. (1948) Arch. of Physical Medicine 29:637-642, "Electrical tests of sensation" (Voltage-duration curves of tactile sensation and pain)

1366. ROSENSTEIN, M., BRILL, W. A., & SHOWALTER, C. K. (1969) U. S. Dept. of Health, Education, and Welfare; Public Health Service; Consumer Protection & Environmental Health Services, Environmental Control Admin., Bureau of Radiological Health, Rockville, Md., Rept. No. OCS 69-1, "Radiation exposure overview: Microwave ovens and the public"

1367. ROSENTHAL, S. W., BIRENBAUM, L., GROSOF, G. M., & ZARET, M. M. (1967) Digest of the 7th Internat. Conf. on Medical and Biological Engineering, (Jacobson, B., ed.), p. 399 only, "A study of the cataractogenic effect of microwave radiation"

1368. ROSENTHAL, S. W. (Moderator), FREY, A., LEMASTER, F., BOWMAN, R. R., RECHEN, H., OSEPCHUCK, J., & MICHAELSON, S. (1969) Proc. of the "Biological Effects and Health Implications of Microwave Radiation" Symposium, (Cleary, S. F., ed.), Medical College of Virginia, Richmond, 17-19 Sept., Bureau of Radiological Health/Division of Biological Effects, Rept. No. 70-2, pp. 233-247, "Panel Discussion I: Microwave measurements method and standards for biological research and hazard surveys"

1369. ROTH, E. M. (Ed.) (1968) Compendium of Human Responses to the Aerospace Environment 1(1):1-22, (Document # NASA CR-1205(1); N-69-12435), "Microwave radiation"; (Also, "Magnetic Fields", Section 4, pp. 1-7, N69-12438)

1370. ROTHMEIER, J. (1970) Proc. of the 3rd Annual National Conf. of the Neuro-Electric Society, "The Nervous System and Electric Currents", (Wulfsohn, N. L., & Sances, A., Jr., eds.), 23-25 Mar., Las Vegas, Plenum Press, New York, pp. 57-69, "Effect of microwave radiation on the frog sciatic nerve"

1371. ROYER, R., WAKIM, K., LEVESTEOR, S., & KRUSEN, F. (1950) Arch. of Physical Medicine 31:557-566, "Influence of microwave diathermy on swelling and trisums resulting from odontectomy"

1372. ROZANOVA, O. S. (1939) Fizioterapiya _(2):pp.? "Significance of the frequency factor for the bioeffects of a HF-VHF electric field"

1373. ROZENBERG, P. A., & GELFON, I. A. (1966) Gigiena Truda i Professional'nye Zabolevaniia (Moskva) _(5):52-53, "The effect of VHF-HH therapy on the silicon content in the lungs and bifurcated lymph nodes during experimental silicosis"

1374. RUBIN, A., & ERDMAN, W. J. (1959) Amer. J. of Phys. Med. 38:219-220, "Microwave exposure of the human female pelvis during early pregnancy and prior to conception"

1375. RUBIN, L., & VOROG'YEV, I. (1936) Kurortologii i Fizioterapii 1:11-, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, 1965), (Title not given), [Deals with temperature rise and suppression of nervous excitation of in vitro frog muscle]

1376. RUDGE, A. W., & KNOX, R. M. (1970) U. S. Dept. of Health, Education, and Welfare, Public Health Service Publication No. BRH/DEP 70-16, 69 pages (limited distribution), "Near-field instrumentation"

1377. RUTKOWSKI, A. & CHRISTIANSON, C. (1965) Progress Rept. 1, Naval Applied Science Lab., Brooklyn, "Development of a radiation hazard protective suit and RF measuring techniques"

1378. SACCHITELLI, G., & SACCHITELLI, F. (1956) Folia Medica, Naples, 39:1037-, (In Italian), "The action of radar microwaves on plasma lipases and serum amylase"

1379. SACCHITELLI, G., & SACCHITELLI, F. (1958) Folia Medica, Naples 41:345-, (In Italian), "On the behavior of blood glutathione following irradiation with radar microwaves"

1380. SACCHITELLI, F., & SACCHITELLI, G. (1960) Folia Medica, Naples, 43:1219-1229, (In Italian), (FTD-TT-65-1497/1+3+4, Jan. 1967), "On the protection of personnel exposed to radar microwaves"

1381. SACCHITELLI, F., & SACCHITELLI, G. (1960) Minerva fizioterap. 5:201-203, (In Italian), "On the analgesic effect of radar microwaves on caisson disease"

1382. SADCHIKOVA, M. N. (1957) In: Summaries of reports, Part 2. Jubilee Scientific Session of the Institute of Labor Hygiene and Occupational Diseases, Dedicated to the 40th Anniv. of the Great October Socialistic Revolution. Moscow. (Title not given)

1383. SADCHIKOVA, M. N. (1960) Trudy Nii Gigiyena Truda i Profzabolevaniya AMN SSR, _(1):32-35, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, 1965); (Also, Abstr. in: The Biological Action of UHF, (Letavet, A. A., & Gordon, Z. V., eds.), Moscow, pp. 25-29, JPRS 12471), State of the nervous system under the influence of SHF-UHF fields"

1384. SADCHIKOVA, M. A. (1960) In: Physical Factors of the Environment, (Letavet, A. A., ed.), pp. 177-183, "State of the nervous system under the influence of SHF-UHF fields"

1385. SADCHIKOVA, M. N. (1964) Trudy Nii Gigiyena Truda i Profzabolevaniya AMN SSSR, _(2):110-113, (Abstr. in: The Biological Action of Radio-Frequency Electromagnetic Fields, Moscow), "Clinical aspects of changes within the nervous system induced by the action of radio waves of various frequencies"

1386. SADCHIKOVA, M. N., & ORLOVA, A. A. (1958) Gigiena Truda i Professional'nye Zabolevaniya (MOSKVA), 2(1):16-22, (In Russian), (JPRS L1451D; OTS-59-11437), "Clinical picture of the chronic effect of electromagnetic centimeter waves"

1387. SADCHIKOVA, M. N., & ORLOVA, A. A. (1960) Nauchno-issledovatel'skiy institut gigiyeny truda i profzabolevaniy, Trudy _(10): 25-29, (Abstr. in: The Biological Action of UHF, (Letavet, A. A., & Gordon, Z. V., eds., Moscow, JPRS 12471); (Also, Abstr. in: The Biological Effects of Microwaves: Compilation of Abstracts, ATD P-65-68, (1965), p. 9 only, "Effect of UHF on the human nervous system"), "State of the nervous system under the influence of UHF"

1388. SAFONOV, YU. D., PROVOTOROV, V. M., YAKIMENKOV, L. I., & LUBE, V. M. (1967) Biulleten Eksperimental'noy Biologii i Meditsiny 64(9):111-113, (ATD Abstr. 3(6/54)), "Method of recording the magnetic field of a heart-magnetocardiography"

1389. SAITO, M., & SCHWAN, H. P. (1961) Proc. 4th Tri-service Conf. on the Biological Effects of Microwave Radiation, Vol. 1, (Peyton, M. F., ed.) pp. 85-97, "The time constants of pearl-chain formation"

1390. SAITO, M., SCHWAN, H. P., & SCHWARZ, G. (1966) Biophysical J. 6(5):313-327, "Response of nonspherical biological particles to alternating electric fields"

1391. SAITO, M., SHER, L. C., & SCHWAN, H. P. (1961) Digest of Internat. Conf. on Medical Electronics and Medical and Biological Engineering 4:154 only, "RF field-induced forces on microscopic particles"

1392. SALATI, O. M. (1959) In: Investigators Conf. on Biological Effects of Electronic Radiating Equipments, (Knauf, G., Chm.), Patrick Air Force Base, Florida, 14-15 Jan., RADC-TR-59-67, July 1959, pp. 26-30, (AD 214693), "Microwave absorption measurements"

1393. SALATI, O. M., ANNE, A., & SCHWAN, H. P. (1962) Electronic Industries, (Nov.) _(11):96-101,"Radio frequency radiation hazards"

1394. SALATI, O. M., & SCHWAN, H. P. (1959) Proc. 3rd Tri-service Conf. on Biological Effects of Microwave Radiating Equipments (Susskind, C., ed.), 3:107-112, "A technique for relative absorption cross-section determination"

1395. SALEV, A. P. (1964) Voronezh, Izd-vo Voronezh. Univ., pp. 50-58, "The effect of the energy of an electromagnetic field of varying frequency on the secretion of the salivary glands"

1396. SALISBURY, W. W., CLARK, J. W., & HINES, A. M. (1948) Collins Radio Co., (Report #CER-153, Rand - P-58), 14 pages, "Physiological damage due to microwaves"

1397. SALISBURY, W. W., CLARK, J. W., & HINES, H. M. (1949) Electronics 22:66-67, "Exposure to microwaves"

1398. SALOTTI, A., & FIORENZI, ?, (1934) Proc. of the 1st Internat. Congress of Electro-Radio-Biology (Cappelli, L., ed.), Bologna, Italy, pp. 440-444, (In Italian with English summary), "Results of research on the influence of microwaves of wavelength 60-70 cm on plants"

1399. SANCES, A., JR., & LARSON, S. J. (1965) Digest of 6th Internat. Conf. on Medical Electronics and Biological Engineering, (Iwai, Y., ed.) pp. 113-114, "Electrotonic solution of rectangular electrical anesthesia currents applied to model neurons"

1400. SANTHA, A. (1968) Honvedorvos, (Apr-Jun), _(2):198-205, "Investigations on the relations between the biological effects of ionizing radiation and electromagnetism"; "Part 2: Joint effect of ionizing radiation and electromagnetism on the growth of the root of Vicia Faba"

1401. SAREL, M., et al. (1961) Zeitschrift fur die gesamte Hygiene und Ihre Grenzgebiete (Berlin) 7:897-, (In German), "Concerning the effect of electromagnetic radar waves (cm wavelength) on the nervous system of man"

1402. SAWINSKA, A., BIELSKI, J., & WALASZKOWSKI, A. (1967) Przeglad Lekarski, Cracow, 23:742-744, "Health conditions of workers at radio and television stations exposed to the high frequency electromagnetic field"

1403. SAZONOVA, T. YE. (1964) Vestnik Leningradskogo Universiteta, Seriya Biologii, USSR, 19(3):109-116, "Effect of low frequency electromagnetic fields on the motor function of animals (Biol. Ser. No. 1)"; and ibid., 19(15):82-86, "The effect of a high gradient low frequency electromagnetic field on the efficiency of an altered motor structure (Biol. Ser. No. 3)"

1404. SAZONOVA, T. YE. (1964) Author's Abstr. of Candidate's Dissertation, Leningrad, "Functional Changes in an Organism Due to Work in a High-Intensity Electric Field at Industrial Frequencies"

1405. SCELSI, B. (1957) Radioterapia Radiobiologia Fisica Medica 12:135-, (In Italian), "Thermogenesis by ultrasound and ultrahigh frequency electromagnetic (radar) waves on organic, not-living tissues"

1406. SCHAEFER, H., & SCHWAN, H. (1943) Annalen Physik 43:99-135, (In German), "Concerning the question of selective heating of small particles in the ultrashort wave condenser field"

1407. SCHAEFER, H., & SCHWAN, H. (1947) Strahlentherapie 77:123-130, "Concerning the question of selective overheating of single cells in biological tissue by means of ultrashort wave currents"

1408. SCHAFFER, M. B. (1962) Report (Rand-P-2558-1), 38 pages, "The thermal response of small animals to microwave radiation"

1409. SCHAIBLE, J. P., & KNUDSEN, A. (1929) Reported at 13th Internat. Physiological Congress, "Chemical changes in the body resulting from exposure to ultra-high frequency fields"

1410. SCHASTNAYA, P. I. (1955) In: Trudy Khar'kovskogo Meditsinskogo Instituta, (Collection of Scientific Works of Kharkov Medical Institute), 13: pp. 170-, "The effect of SHF fields on microorganisms"

1411. SCHASTNAYA, P. I. (1957) In: Trudy Khar'kovskogo Meditsinskogo Instituta, USSR, 15:239-, "The effect of electromagnetic waves of superhigh frequency on microorganisms"

1412. SCHASTNAYA, P. I. (1958) Trudy Khar'kovskogo Meditsinskogo Instituta, USSR, 16:359-, "The effect of SHF radiowaves on the colon bacillus"

1413. SCHEIE, H. G., & JEROME, B. (1949) Amer. J. of Ophthalmology 32:60-78, (June, pt. 2), "Electrocoagulation of the sclera: reduction in ocular volume and pathologic changes produced"

1414. SCHERESCHEWSKY, J. W. (1926) Public Health Reports 41:1939-, "The physiological effects of currents of very high frequency (135,000,000 to 8,300,000 cps)"

1415. SCHERESCHEWSKY, J. W. (1928) Public Health Reports 43(16):927-939, "The action of currents of very high frequency upon tissue cells, A. Upon a transplantable mouse sarcoma"

1416. SCHLIEPHAKE, E. (1935) Actinic Press, London, (Authorized English transl. of 2nd and enlarged German edition), 238 pages, Short Wave Therapy - The Medical Use of Electrical High Frequencies

1417. SCHLIEPHAKE, E. (1950) British J. of Physical Medicine 13:145-152, "Supersonic and ultrashort waves"

1418. SCHLIEPHAKE, E. (1952) Stuttgart, (In German), Short-Wave Therapy

1419. SCHLIEPHAKE, E. (1960) Zbl. Chir. 85:1063-1066, "Endocrine influence on bleeding and coagulation time"

1420. SCHLINK, F., et al. (1954) British J. of Physical Medicine 17:39-42, "Effect of ultrashort wave diathermy on blood"

1421. SCHULTZ, C. A., GRAY, O. S., SANDERS, M., & FELLOWS, O. N. (1970) Presented before the New York Academy of Sciences at the Symposium entitled "Effect of Controlled Electromagnetic Energy on Biological Systems", (Nov.), 5 pages, "The effect of electromagnetic controlled energy on viruses in human blood"

1422. SCHULTZ, F. V., BURGENER, R. C., & KING, S. (1958) Proc. of the Institute of Radio Engineers 46:476-, "Measurement of the radar cross section of a man"

1423. SCHVARTS, J. I. (1945) Frunze, Local Reflex Changes Under the Influence of Local Action of UHF Fields on the Cervico-Thoracic Segments of the Spinal Cord

1424. SCHWAN, H. (1948) Zeitschrift fur Naturforschung (Tubingen) 3B:361-367, (In German), "Temperature dependence of the dielectric constant of blood at low frequencies"

1425. SCHWAN, H. (1950) Ann. Phys. 6:253-, "Resonance method for the determination of complex resistances of substances at decimeter wavelengths"

1426. SCHWAN, H. (1953): Amer. J. of Physical Med. 32:144-, "Electrical properties of blood at ultrahigh frequencies"

1427. SCHWAN, H. (1953) Zeitschrift fur Naturforschung (Tubingen) 8B:3-10, (In German), "Measurement of electrical constants and complex-resistances in biological materials"

1428. SCHWAN, H. (1954) Zeitschrift fur Naturforschung (Tubingen) 9B(8):245-251, (In German), "The electrical characteristics of muscle tissue at low frequencies"

1429. SCHWAN, H. P. (1955) Institute of Radio Engineers, Trans. PG14:75-83, (Also: Tech. Rept. #15, Univ. of Pennsylvania, to Office of Naval Research, 23 pages), (AD 56691), "Application of UHF impedance measuring techniques in biophysics"

1430. SCHWAN, H. P. (1955) Institute of Radio Engineers, Trans. on Medical Electronics, 3:32-46, "Electrical properties of body tissues and impedance plethysmography"

1431. SCHWAN, H. P. (19__) Electromedical Lab., Moore School of Electrical Engineering, Univ. of Pennsylvania, "Survey of microwave absorption characteristics of body tissue"

1432. SCHWAN, H. (1956) In: Handbook of Biological Data, National Research Council, Washington, D. C., "Electrical properties measured with alternating current: body tissues"

1433. SCHWAN, H. P. (1956) J. of the Amer. Medical Assoc. 160:191-197, "The biophysical basis of physical medicine"

1434. SCHWAN, H. P. (1957) Final Rept. from Univ. of Penna. on ONR Contract (1 July 1954 to 30 June 1957) 12 pages, (AD 149535), "Influence of electromagnetic radiation on biological material"

1435. SCHWAN, H. P. (1957) Proc. 1st Tri-service Conf. on Biological Hazards of Microwave Radiation (Pattishall, E. G., ed.), 1: 60-63, "The physiological basis of RF injury (Abstract)"

1436. SCHWAN, H. P. (1957) In: Advances in Biological and Medical Physics, 5, (Lawrence, J. H., & Tobias, C. A., eds.) Academic Press, Inc., New York, pp. 147-209, (Tech. Rept. #20, Univ. of Penna.), (AD 132533), "Electrical properties of tissues and cell suspensions"

1437. SCHWAN, H. P. (1958) Proc. 2nd Tri-service Conf. on Biological Effects of Microwave Energy (Pattishall, E. G. & Banghart, F. W., eds.), 2, Rome Air Dev. Center, ARDC-TR-58-54, pp. 126-145 (AD-131477); (Also: ONR Technical Rept #25), "Survey of microwave absorption characteristics of body tissue"

1438. SCHWAN, H. P. (1958) Annual Progress Rept. on ONR Contract, Univ. of Penna. (AD 207468), "Properties of biological material"

1439. SCHWAN, H. P. (1958) Proc. 2nd Tri-service Conf. on Biological Effects of Microwave Energy (Pattishall, E. G. & Banghart, F. W., eds.), 2:33-48, (Also, ONR Technical Rept. #24 of the Univ. of Penna.; AD 220125), "Molecular response characteristics to ultra-high frequency fields"

1440. SCHWAN, H. P. (1958) In: Therapeutic Heat, Physical Medicine Library, 2, (Licht, S. H., ed.), Licht, E., Publisher, New Haven, Conn., Chapt. 3, pp. 55-115, (Also: Tech. Rept. #21 from Univ. of Penna. to ONR, AD 149534), "Biophysics of Diathermy"

1441. SCHWAN, H. P. (1959) Proc. 3rd Tri-service Conf. on Biological Effects of Microwave Radiating Equipments (Susskind, C., ed.) 3:94-106, (RADC-TR-59140; AD 234788), "Theoretical considerations pertaining to thermal dose meters"

1442. SCHWAN, H. P. (Conf. Chm.) (1959) Digest of Technical Papers, 12th Ann. Conf. on Electrical Techniques in Med. & Biology, 1st Edition, 10-12 Nov., Sponsored by Institute of Radio Engineers, Amer. Institute of Electrical Engineers, and Instrument Society of Amer., Winner, L., publisher, New York

1443. SCHWAN, H. P. (1959) Proc. of the Institute of Radio Engineers 47:1841-1855, "Alternating current spectroscopy of biological substances"

1444. SCHWAN, H. P. (1960) In: Medical Physics, 3, (Glasser, O., ed.), The Year Book Publishers, Inc., Chicago, pp. 1-7, "Absorption and energy transfer of microwaves and ultrasound in tissues: characteristics"

1445. SCHWAN, H. P. (1963) In: Physical Techniques in Biological Research, (Nastuk, W. L., ed.), Academic Press, New York, from Vol. 6, Part B of "Electrophysiological Methods", pp. 323-407, "Determination of biological impedances"

1446. SCHWAN, H. P. (1964) Final Rept. (from Univ. of Penna. under ONR Contract, (AD 600263), 13 pages, "Non-thermal effects of alternating electrical fields on biological structures"

1447. SCHWAN, H. P. (1968) In: Microwave Power Engineering, (Okress, E. C., ed.), Academic Press, N. Y., 2:215-243, "Radiation, biology, medical applications, and radiation hazards"

1448. SCHWAN, H. P. (1969) J. of Non-Ionizing Radiation 1(1):23-, "Effects of Microwave radiation on tissue - a survey of basic mechanisms"

1449. SCHWAN, H. P. (1969) Proc. of the "Biological Effects and Health Implications of Microwave Radiation" Symposium (Cleary, S. F., ed.), Medical College of Virginia, Richmond, 17-19 Sept., Bureau of Radiological Health/Division of Biological Effects, Rept. No. 70-2, pp. 13-21, "Interaction of microwave and radio frequency radiation with biological systems"

1450. SCHWAN, H. P. (1970) Final Rept. on ONR Contract, Mar. 1964 - Dec. 1969, Univ. of Penna., "Non-thermal effects of alternating electrical fields on biological structures"

1451. SCHWAN, H. P., ANNE, A., & SHER, L. (1966) U. S. Naval Air Engineering Center, Philadelphia, Pa., Aerospace Crew Equipment Lab., Rept. # NAEC-ACEL-534;/"Heating of living tissues **[by microwave irradiation to determine threshold sensations of warmth];** **(AD 479192L; & X66-16685)** **Final Rept. 1963-1965"**

1452. SCHWAN, H. P., & CARSTENSEN, E. L. (1953), (Trans. AIEE preprint, Paper 53-137, Winter General Meeting, Electrical Techniques in Med. and Biology), AIEE Trans. 72:106-, "Application of electric and acoustic impedance measuring techniques to problems in diathermy"

1453. SCHWAN, H. P., CARSTENSEN, E. L., & LI, K. (1953), (AIEE Technical Paper 53-206, AIEE Summer General Meeting), Electrical Techniques in Medicine and Biology, AIEE Trans. 72:483-, "Heating of fat - muscle layers by electromagnetic and ultrasonic diathermy"

1454. SCHWAN, H. P., CARSTENSEN, E. L., & LI, K. (1954) Electronics 27:172-175, "Electric and ultrasonic deep heating diathermy"

1455. SCHWAN, H. P., CARSTENSEN, E. L., & LI, K. (1954) Arch. of Physical Med. and Rehabilitation 35:13-19, "Comparative Evaluation of electromagnetic and ultrasonic diathermy"

1456. SCHWAN, H. P., & KAY, C. F. (1957) Annals of the New York Academy of Science 65(6):1007-1013, "The conductivity of living tissues"

1457. SCHWAN, H. P., & LI, K. (1953) Proc. of the Institute of Radio Engineers 41(12):1735-1740, "Capacity and conductivity of body tissues at ultrahigh frequencies"

1458. SCHWAN, H. P., & LI, K. (1955) Trans. of the AIEE (Communications and Electronics) 16:603-607, "Measurements of materials with high dielectric constant and conductivity at ultrahigh frequencies"

1459. SCHWAN, H. P., & LI, K. (1955) Electronic Engineering 74:64-, "Measurement of materials at ultra-high frequencies"

1460. SCHWAN, H. P., & LI, K. (1955) Arch. of Physical Med. & Rehabilitation 36:363-370, "Variations between measured and biologically effective microwave diathermy dosage"

1461. SCHWAN, H. P., & LI, K. (1956) Institute of Radio Engineers Trans. on Medical Electronics PGME-4:45-49, (Also, Tech. Rept. #16, ONR Contract, Univ. of Penna., AD 80164; Also, presented at Symposium on "Physiologic & Pathologic Effects of Microwaves, Mayo Clinic, Sept. 1955), "The mechanism of absorption of ultrahigh frequency electromagnetic energy in tissues, as related to the problem of tolerance dosage"

1462. SCHWAN, H. P., & LI, K. (1956) Proc. of the Institute of Radio Engineers 44(11):1572-1581, (Also Tech. Rept. #19, Univ. of Penna. on ONR Contract, AD 122467), "Hazards due to total body irradiation by radar"

1463. SCHWAN, H. P., & LI, K. (1959) Proc. of the 1st National Biophysics Conf., Columbus, (Quastler, H., & Morowitz, H., eds., Yale Univ. Press, New Haven), pp. 355-356, "Dielectric properties of hemoglobin at ultrahigh frequencies"

1464. SCHWAN, H. P., & MACZUK, J. (1959), Proc. of the 1st National Biophysics Conf., Columbus, (Quastler, H., & Morowitz, H., eds., Yale Univ. Press, New Haven), pp. 348-355, "Electrical relaxation phenomenon of biological cells and colloidal particles at low frequencies"

1465. SCHWAN, H. P., & PAULY, H. (1959) Digest of Technical Papers, Proc. of the 12th Annual Conf. on Electrical Techniques in Medicine and Biology (Schwan, H. P., Chm.), p. 54 only, "Dielectric constant and conductivity of the interior erythrocytes and pearl chain formation in blood"

1466. SCHWAN, H. P., & PAULY, H. (1959) Proc. 3rd Tri-service Conf. on Biological Effects of Microwave Radiating Equipments (Susskind, C., ed.), 3:113-123, "Electrical substitutes for human tissue"

1467. SCHWAN, H. P., PAULY, H., TWISDOM, J., & GLAZER, I. (1958) First Annual Progress Rept. to Air Force, Univ. of Penna. "Effects of microwaves on mankind"

1468. SCHWAN, H. P., & PIERSOL, G. M. (1953) Arch. of Physical Med. 33:34-, "Absorption of electromagnetic energy in body tissue; review and critical analysis"

1469. SCHWAN, H. P., & PIERSOL, G. M. (1954) Amer. J. of Physical Med. 33(6):371-404, "The Absorption of Electromagnetic Energy in Body Tissues: A Review and Critical Analysis, Part I, Biophysical Aspects"; Part II. Amer. J. of Physical Med., Internat. Review of Physical Med., 34(3):425-448 (1955), (AD 83453), "Physiological and clinical aspects - physiological effects of microwave diathermy"

1470. SCHWAN, H. P., SAITO, M., & SCHWARZ, G. (1966) Biophysical Journal 6:313-, (Also, Tech. Rept. #49 of Univ. of Pennsylvania), "Response of non-spherical biological particles to alternating electric fields."

1471. SCHWAN, H. P., & SALATI, O. M. (1959) Proc. 3rd Tri-service Conf. on Biological Effects of Microwave Radiating Equipments,- (Susskind, C., ed.) 3:107-, (Also: Rept. RADC-TR-59-140), "A technique for relative absorption cross-section determination"

1472. SCHWAN, H. P., SALATI, O. M., ANNE, A., & SAITO, M. (1960) Univ. of Penna. Progress Rept to Air Force, RADC-TN-60-158, (AD 241768), 77 pages, "Effects of microwaves on mankind"

1473. SCHWAN, H. P., SALATI, O., PAULY, H., ANNE, A., FERRIS, C. D., & TWISDOM, J. (1958) Univ. of Penna. Rept. to Air Force (RADC-TN-59-199, AD 217618), 42 pages, "Effects of microwaves on mankind"

1474. SCHWAN, H. P., & SHER, L. D. (1967) Univ. of Penna. Progress Rept. to ONR, (AD 656736), 8 pages, "Non thermal effects of alternating electric fields on biological structures"

1475. SCHWAN, H. P., SHER, L. D., & MERJANIAN, S. V. (1967) Proc. of the 20th Annual Conf. on Engineering in Medicine and Biology, (Also, Univ. of Penna. Tech. Rept. 51), "Optimization study of an electrical method for the rapid thawing of frozen blood"

1476. SCHWAN, H. P., & SHER, L. D. (1969) In: Dielectrophoretic and Electrophoretic Deposition, (Pohl, H. A., & Pickard, W. F., eds.), The Electrochemical Society, Inc., New York; pp. 107-126, "Electrostatic field-induced forces and their biological implications"

1477. SCHWAN, H. P., & SHER, L. D. (1969) J. of the Electrochemical Society: Reviews & News 116(1):22C-, "Alternating-current field-induced forces and their biological implications"

1478. SCHWAN, H. P., & SHEN, D. W. C. (1959) Digest of Technical Papers. Proc. of the 12th Annual Conf. on Electrical Techniques in Medicine and Biology, (Schwan, H. P., Chm.), Sponsored by the Institute of Radio Engineers, the Amer. Institute of Electrical Engineers, and the Instrument Soc. of Amer., (Nov.), "Relaxation parameters of a suspension of membrane covered ellipsoids"

1479. SCHWAN, H. P., & VOGELHUT, P. O. (1968) In: Microwave Engineering, 2, Academic Press, pp. 213-244, "Microwave biophysics"

1480. SCHWARTZ, R. F. (1966) Electronic Industries (June), pp. 88-96, "Precision microwave power measurements, a survey"

1481. SCHWARTZKOPFF, J. (1950) Die Vogelwarte 15(3):194-196, (NRC Transl. TT-1161; N65-28815), "On the question of the perception of ultra-shortwaves by migratory birds"

1482. SCHWARZ, G. (1963) J. of Chemical Physics 39(9):2387-2388, "General equation for the mean electrical energy of a dielectric body in an alternating electrical field"

1483. SCHWARZ, G., SAITO, M., & SCHWAN, H. P. (1966) J. of Chemical Physics 43(10):3562-3569, (Univ. of Penna. Rept.), (AD 631617), "On the orientation of nonspherical particles in an alternating electrical field"

1484. SCOTT, J. (1971) Microwaves 10(1):9-14, "Is today's standard for microwave radiation safe for humans"

1485. SEARLE, G., DAHLEN, R. W., IMIG, C. J., WUNDER, C. C., THOMSON, J. D., THOMAS, J. A., & MORESSI, W. J. (1961) Proc. 4th Tri-service Conf. on the Biological Effects of Microwave Radiation, Vol. 1, (Peyton, M. F., ed.), pp. 187-199, "Effects of 2450 mc microwaves in dogs, rats, and larvae of the common fruit fly"

1486. SEARLE, G. W., IMIG, C. J., & DAHLEN, R. W. (1959) Proc. 3rd Tri-service Conf. on Biological Effects of Microwave Radiating Equipments (Susskind, C., ed.) 3:54-61, "Studies with 2450 Mc(cw) exposures to the head of dogs"

1487. SEDLACEK, J., & MACEK, O. (1966) Sbornik Lekarsky, Prague, 68:28-35, "Attempt to analyze the substance responsible for the high frequency impedance of cerebral tissue"

1488. SEDUNOV, B. I., & FRANK-KAMENETSKII, D. A. (1963) Uspekhi Fizicheskikh/ Nauk, Moscow, 79(3):617-639, (Amer. Institute of Physics Transl. 6(2):279-293 (1963)), "Dielectric constants of biological objects"

1489. de SEGUIN, L. (1947) Comptes Rendus Hebdomadaires des Seances de l'Academie des Sciences 225:76-77, (In French), "Reversibility of lesions observed in small animals exposed to ultra high frequency radiation (wavelengths of 21 cm)"

1490. de SEGUIN, L. (1949) Comptes Rendus Hebdomadaires des Seances de l'Academie des Sciences 228:135-, (In French) "Laws of heat distribution in tissues of organisms irradiated with ultrahigh frequency electromagnetic fields"

1491. de SEGUIN, L. (1949) J. de Radiologie et d'Electrologie 30:458-461, (In French), "Biophysical bases of therapeutic applications of microwaves"

1492. de SEGUIN, L., & COSTELAIN, G. (1947) Comptes Rendus Hebdomadaires des Seances de l'Academie des Sciences 224(23):1662-1663, (In French), "Effect of ultra high frequency waves (wavelengths of 21 cms) on temperature of small laboratory animals"

1493. de SEGUIN, L., & COSTELAIN, G. (1947) Comptes Rendus Hebdomadaires des Seances de l'Academie des Sciences 224(26):1850-1852, (In French), "Anatomic lesions observed in laboratory animals exposed to ultrahigh frequency radiation (wavelength of 21 cms)"

1494. de SEGUIN, L., LeFABVRE, J., & POLIETIER, M. (1949) J. de Radiologie et d'Electrologie 30:566-568, (In French), "Specific action of microwaves on tissue cultures"

1495. de SEGUIN, L., et al. (1948) Comptes Rendus Hebdomadaires des Seances de l'Academie des Sciences 227:783-, (In French), "Increase in the growth rate of tissue cultures irradiated with ultrahigh frequency electromagnetic radiation (wavelength 21 cm)"

1496. SEIPEL, J. H., & MORROW, R. D. (1960) J. of the Wash. Academy of Sciences 50(6):1-4, "The magnetic field accompanying neuronal activity: a new method for the study of the nervous system"

1497. SEMENOV, A. I. (1962) Izd-vo Moskovskogo Universitets, Moskva, pp. 1-254, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, Apr. 1965), "Theory of electromagnetic waves"

1498. SEMENOV, A. I. (1965) Biulleten Eksperimental'noi Biologii i Meditsiny (Moskva) 60(7):64-66, (Abstr. in: ATD Press, Special Issue "Biomedical Microwave Resesearch" 4(43):6-7 (1965)), "The influence of the SHF-UHF electromagnetic field on the temperature in rabbit femoral tissues"

1499. SEMENOV, N. V. (1965) Biulleten Eksperimental'noi Biologii i Meditsiny (Moskva) 60(4):17-19, (FTD Transl. TT-65-31496; JPRS 30998; N65-28140), "Elimination of hypothermia in dogs by means of high frequency currents"
(Possibly Zenkevich?)

1500. SENKEVECH, A. I./(1959) Summaries of reports. Labor Hygiene and the Biological Effect of Radio Frequency Electromagnetic Waves; Moscow, p. 6 only, (Title not given)

1501. SERCL, J., et al. (1961) Sbornik Vedeckych Praci Lekarske Fakulty Karlovy University, Czechoslovakia, 4(4):427-440, (Also Z. ges. Hyg. 7:897-907, (1961), (in German)), "On the effects of cm electromagnetic waves on the nervous system of man; radar" [thermal & nonthermal]

1502. SETH, H. S., & MICHAELSON, S. (1964) Aerospace Medicine 35(8):734-739, "Microwave/hazards evaluation"

1503. SETH, H. S., & MICHAELSON, S. M. (1965) J. of Occupational Medicine 7(9):439-442, "Microwave cataractogenesis"

1504. SETTER, L. R., SNAVELY, D. R., SOLEM, D. L., & VAN WYE, R. F. (1969) U. S. Dept. of Health, Education, and Welfare, Public Health Service Publication No. 999-RH-35 (April), 77 pages (limited distribution), (Also in: "Senate Hearings", pp. 1216-1296); "Regulations, standards, and guides for microwaves, ultra-violet radiation, and radiation from lasers and television receivers - an annotated bibliography"

1505. SEVASTYANOV, V. V. (1965) Voyenno Meditsinskii Zh., USSR Military Med. Jour. _(7):21-25, "Measurement of SHF-UHF electromagnetic radiation intensities and the problem of their hygienic appraisal"

1506. SEVASTYANOV, V. V. (1969) Voyenno Meditsinskii Zh., USSR Military Med. Jour., _(1):54-55, "Visual recording technique used in the assessment of SHF-UHF effects on an organism"

1507. SHAPAR, H. K. (1961) Health Physics 5:155-159, "Significance of health physics evidence in the trial of a case of radiation personal injury"

1508. SHARMA, R. C. (1967) Nature 214:83-84, "Mechanism of characteristic behavior of cells in an alternating electric field"

1509. SHAW, T., & WINDLE, J. (1950) J. of Applied Physics 21:956-, "Microwave techniques for measurement of the dielectric constant of fibers and films of high polymers"

1510. SHCHEGLOVA, (1961) Gigiena i Sanitariya, USSR, 28(5):18-22, (JPRS 23898), "On the combined action of a high frequency electromagnetic field and x-ray in industry"

1511. SHCHERBAK, A. YE. (1933) Biulleten Gosudarstvennogo Tsentral'nogo Instituto Sechenova (Bull. of the State Central Institute of sechenova), _(2-3):pp.? "From the history of the scientific life of the Sechenov Institute"

1512. SHEMYAKOV, S. I. (1955) Voyenno Meditsinskii Zh., USSR Military Med. Jour., _(5):79-83, "Certain data of medical observations in radio technical stations"

1513. SHEN, D. W. C., & SCHWAN, H. P. (1959) Digest of Technical Papers. Proc. 12th Annual Conf. on Electrical Techniques in Medicine and Biology, (Schwan, H. P., Chm.), Nov., p. 55 only, "Relaxation parameters of a suspension of membrane-covered ellipsoids"

1514. SHER, L. D. (1970) Paper presented at 4th Annual Midyear Topical Symposium, Health Physics Soc., Electronic Product Radiation and the Health Physicist, Jan., Louisville, Ky., Bureau of Radiation Health, Div. of Electronic Products, Rept. No. 70-26, pp. 431-462, "Interaction of microwave and RF energy on biological material"

1515. SHER, L. D. (1970) Medical Research Engineering 9(1):12-16, "Symposium on biological effects and health implications of microwave radiation: a review"

1516. SHER, L. D., KRESCH, E., & SCHWAN, H. P. (1970) Biophysical Journal 10(10):970-979, "On the possiblity of nonthermal biological effects of pulsed electromagnetic radiation"

1517. SHER, L. D., & SCHWAN, H. P. (1963) Ph.D. thesis of L.D.S., and Tech. Rept. #37 to ONR, the Moore School of Electrical Engineering, Univ. of Penna., (Abstr. in IEEE BME-16:1, 1969), "Mechanical Effects of AC Fields on Particles Dispersed in a Liquid; Biological Implications"

1518. SHER, L. D., SCHWAN, H. P., AND MACZUK, J. (1965) Digest of 6th Internat. Conf. on Medical Electronics and Biological Engineering, (Iwai, Y., ed.) Aug., pp. 547-548, "The electrical impedance of frozen blood and applications to electrical methods of thawing"

1519. SHERESHEVSKAYA, L. (1966) Vestnik Oftalmol / _(3):5-9, "Centimeter-band therapy of distrophy of the macula lutea and uveitis"

1520. SHEVCHIK, F., & VETTERL', V. (1965) Biofizika 10(3):441-446, (ATD 66-55) (Abstr. in: ATD Press, Special Issue, "Biomedical Microwave Research" 4(43):1-3, (1965)), "Complex dielectric permitivity of solutions in the centimeter wave band"

1521. SHEVELOVA, A. B. (1939) Sbornik trudov Instituta Fiziologii Dnepropetrovsk. Universitet., 1937-1940, (Subseries of the University's "Nauchnye Zapiski", monograph), 2:31-, "Influence of UHF fields on heart action in the frog"

1522. SHEYVAS, V. B., & ZUFAROV, K. A. (1968) Med. Zh. Uzbek, _(6):12-15, "Biological effects of electromagnetic fields; electron microscopic research"

1523. SHEYVEKHMAN, B. YE. (1949) Problemy Fiziologicheskoy Akustiki, USSR, 1:122-127, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, Apr. 1965); (AD 281129; FTD-TT-62-491/1+2), "Effect of the action of a VHF-HF field on the aural sensitivity during application of electrodes in the zone of projection of the aural zone of the cortex (lamella of temporal bone)"

1524. SHIMKOVICH, I. S., & SHILYAYEV, V. G. (1959) Vestnik Oftalmol/ogii, Moscow, 72(4):12-16, (Abstr. in Mammalian Eye, A Literature Survey, by Lazarus, H. B., & Levedahl, B. H., TID-3912, DTIE-, U. S. Atomic Energy Commission, Oak Ridge, Tenn., 1962, pp. 447-), "Development of cataract of both eyes as a result of brief exposures to high density SHF-UHF electromagnetic fields"

1525. SHINDRYAYEV, A. A. (1969) Voyenno-Meditsinski Zh.,(USSR Military Med. J.), _(5):87-88, "Nomogram for determining radii of radar set danger zones"

1526. SHINN, D. H. (1958) Nature 182(4652):1792-1793, "Health hazards from powerful radio transmissions"

1527. SHINOWARA, G. YE., & HORAVA, A. (1962) Inst. of Contemporary Russian Studies 4(3):7-8, "The biological action of ultra-high frequencies"

1528. SHIPP, L. M. (1965) J. of Occupational Medicine 7:423-430, "Electronics and medicine"

1529. SHLYAFER, T. P., & YAKOVLEVA, M. I. (1969) Fiziologicheskiy Zh., SSSR, 55(1):16-21, (In Russian with English summary), "The effect of SHF-UHF electromagnetic fields on the pulsed activity of cerebro-cortical neurons"

1530. SHMELEV, V. P. (1964) In: Some Questions of Physiology and Biophysics, Voronezh, pp. 89-, "The effect of an electromagnetic field of the audio- and radio-frequency ranges on the reflex activity of the spinal cord"; and ibid., pp. 98-, "The state of electric activity of the brain due to action of electromagnetic vibrations of the audio- and radio-frequency range on the organism"

1531. SHNEYVAS, V. B., & ZUFAROV, K. A. (1968) ATD Press, Aerospace Technology Division, Library of Congress 7(10):4-5, (Summary in: USSR Science Abstracts _(62):48-, (1968)), "The biological effect of electromagnetic fields (electron-microscopic study)"

1532. SHORE, M., & LEACH, W. (1969) In: Conf. on Federal-State Implementation of Public Law 90-602, (Miller, J. W., & Gerusky, T. M., Co-Chm.), Bureau of Rad. Health Rept. ORD 69-4 [LD_{50} Studies on rats & hamsters; changes in protein synthesis; chromosomal studies following exposure to electromagnetic radiation]

1533. SHTOL'TSER, V. R. (1958) Problemy Gematologii i Perelivaniia Krovi, Moskva, 3(3):178-183, "Changes in the activity of hemostatic blood preparations caused by the electromagnetic field"

1534. SHVARTS, YA. I. (1945) Frunze, Local and Reflected Changes Due to Localized Action of HF-VHF Field Upon Cervicothoracic Segments of the Spinal Cord

1535. SIDDONS, H., & SOWTON, E. (1967) Chas. C. Thomas, Publ., Springfield, Ill., pp. 99-102, [see especially p. 100 for a discussion of experimental effects on cardiac pacemakers of various types of RF/microwave/diathermy, etc. equipment], Cardiac Pacemakers

1536. SIEMS, L. L., KOSMAN, A. J., & OSBORNE, S. L. (1948) Arch. of Physical Medicine 29(12):759-764, "A comparative study of short wave and microwave diathermy on blood flow"

1537. SIGEL, M. M., & BURNSTEIN, T. (1959) In: Annual Rept. of Microwave Radiation Research, Univ. of Miami, (AD 232925), "Effect of microwaves on mammalian cells grown in vitro"

1538. SIGLER, A. T., LILIENFELD, A. M., COHEN, B. H., & WESTLAKE, J. E. (1965) Bull. of Johns Hopkins Hospital 117(6):374-400, "Radiation exposure in parents of children with Mongolism (Downs Syndrome)"

1539. SILVER, S. (1959) Proc. 3rd Tri-service Conf. on Biological Effects of Microwave Radiating Equipments, (Susskind, C., ed.), 3:22-32, (RADC-TR-59-140; AD 234788), "Physical aspects of microwave radiation"

1540. SILVERS, L. J. G. (1935) Arch. of Physical Therapy 16:671-673, "Control of pain and hemorrhage in electrosurgical tonsillectomy"

1541. SIMMONS, A., & EMERSON, W. (1953) Tele-Tech and Electronic Industries _(7):pp.?, "Anochoic chambers for microwaves"

1542. SIMON, C. W., & ANDERSON, L. E. (1956) Presented at 8th Annual Meeting of Flight Safety Foundation (Hughes Aircraft Co.), (AD 144744), "Potential ground hazards of high performance radar"

1543. SIMONELLI, M., & RIZZINI, V. (1951) Giornale Italiano di Oftalmologia 4(1):3-10, (In Italian), "Action of microwaves on the eye (preliminary note)" (Abstr. in: Zentralbl. f.d. ges. Ophth. 59(7):344 (July 1953))

1544. SINGATULLINA, R. G. (1961) Biulleten Eksperimental'noi Biologii i Meditsiny (Moskva) 52(7):69-72, (In Russian), "The effect of ultrahigh frequency currents on blood serum protein fractions"

1545. SINGATULLINA, R. G. (1961) Biulleten Eksperimental'noi Biologii i Meditsiny (Moskva) 52(7):812-815, (Also, Biological Abstracts 38(5636), (1962)), "The effect of UHF currents on proteins in blood serum fractions"

1546. SINISI, L. (1954) Electroencephalogy & Clinical Neurophysiology 6:535-, "EEG [human] after radar application"

1547. SKAGGS, G. A. (1971) Naval Research Laboratory Memorandum Report 2218, 11 pages, "High frequency exposure chamber for radiobiological research"

1548. SKURIKHINA, L. A. (1961) Voprosy Kurortologii, Fizioterapii i Lechebnoy Fizicheskoy Kul'tury (Problems in Health Resort Science, Physiotherapy & Medical Physical Culture), Moscow, _(4):338-, "The therapeutic application of microwaves (SHF electromagnetic fields)"

1549. SKURIKHINA, L. A. (1962) Novosti Meditsinskoy Tekhniki, Moskva, _(3):9-, "Clinical and physiological bases of microwave therapy"

1550. SLABOSPITSKIY, A. A. (1964) In: Biological Action of Ultrasound and SHF-UHF Electromagnetic Oscillations,(Gorodetskiy, A. A., ed.), Academy of Sciences, Institute of Physiology, imeni A. A. Bogomolets, Kiev, UKR SSR, (JPRS 38060; N65-28707), pp. 92-107, "The problem of microwave lesions of the skin"

1551. SLABOSPITSKIY, A. A. (1964) In: Problems of the Biophysics and Mode of Action of Radiation, Zdorovya Publ. House, Kiev, pp. 89-94, (Transl. of abstr., Zh. Biol. (19), (Oct. 1965), Abstr. 19-P-373; JPRS 34963), "Morphological changes in the skin of white rats when exposed to centimeter range radio waves"

1552. SLABOSPITSKIY, A. A. (1965) Fiziologicheskiy Zh. SSSR, 11(2):225-231, "The mechanism of action of microwaves on the skin"

1553. SLAVISKIY, G. M. (1937) Sevastopol, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, Apr. 1965), The Experimental Foundation of Short Wave Therapy

1554. SLAVSKIY, G. M., & BURNAN, L. S. (1935) Bull. Gosudarstvennogo Tsentral'nogo Nauchno-issledovatel'skogo Inst. imeni Sechenova (6-7): "The problem concerning pathological anatomical changes occurring in the organs and tissues under total exposure to short waves"

1555. SLEPICKA, J., SLIVOVA, A., ZPPOCHMON, O., & ZAPLETALOVA, E. (1967) Pracovni Lekarstvi, Prague 19:5-11, "The effect of electromagnetic radiation in the meter wavelength on operators of short-wave radio transmitters"

1556. SLINEY, D. H., & PALMISANO, W. A. (1967); (AD 652708; N67-32384), 37 pages, "Microwave hazards bibliography"

1557. SMIRNOVA, M. I., & SADCHIKOVA, M. N. (1960) Nauchno-issledovatel'skiy Institut Gigiyena Truda i Profzabolevaniya Trudy (1):50-51, (Also in: The Biological Action of Radio-Frequency (UHF) Electromagnetic Fields, (Letavet, A. A., & Gordon, Z. V., eds.), (JPRS 12471, (1962), pp. 47-49); (Abstr. in: Biological Effects of Microwaves: Compilation of Abstracts, ATD P-65-68, Sept. 1965, pp. 18-19, "Effect of UHF on thyroid gland functions"); (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, Apr. 1965), "Determination of the functional activity of the thyroid gland by means of radioactive iodine in workers exposed to UHF fields"

1558. SMIRNOVA, M. I., & SADCHIKOVA, M. N. (1962) Summaries of reports. Questions of the Biological Effect of a SHF-UHF Electromagnetic Field. Kirov Order of Lenin Military Medical Academy, Leningrad, (Title not given)

1559. SMITH, E. E. (1928) U. S. Navy Medical Bulletin 26:479-502, "Heat stroke, a thermoregulatory incompetency"

1560. SMITH, G. C. (1950) British Medical J., No. 4668, (July 13-21), pp. 1466-1467, "Effects of diathermy currents on metal implants in the body wall"

1561. SMITH, G. C. (1958) Medical J. of Australia 45:313-315, "Radiation hazards in industry"

1562. SMOLYANOV, A. A. (1957) Sci. Work 1st Leningrad Military Naval Hospital, pp. 56-65, "The effect of high frequency pulsed field on the vegetative nervous system"

1563. SMUROVA, YE. I. (1959) Summaries of reports. Labor Hygiene and the Biological Effect of Radio Frequency Electromagnetic Waves, Moscow, "Occupational hygiene problems in areas where MF-LF currents are used"

1564. SMUROVA, YE. I. (1966) Gigiena Truda i Professional'nye Zabolevaniya (Moskva) 10(1):17-, (JPRS 35648; TT-66-32083), "Health characteristics of conditions for medical personnel working with sources of radio frequency range electromagnetic fields"

1565. SMUROVA, YE. I. (1967) Gigiena i Sanitariya, USSR, 32(6):37-41, (TT-67-51409-2); (Also Abstr. in: Soviet Radiobiology, ATD 68-105-108-9, pp. 84-85) (AD 671436), "Changes in the phagocytic and bactericidal functions of the blood in animals exposed to radio frequency electromagnetic fields"

1566. SMUROVA, YE. I., ROGOVAYA, T. Z., TROITSKIY, A. S., LASHCHENKO, N. S., & MELNIKOVA, N. D. (1962) Gigiena Truda i Professional'nye Zabolevaniya (Moskva) 6(5):22-28, (In Russian), (JPRS 14925, N62-14907), "Problems of occupational hygiene and health status of operators exposed to the effects of high frequency currents"

1567. SMUROVA, YE. I., ROGOVAYA, T. Z., YAKUB, I. L., & TROITSKIY, S. A. (1964) Gigiena i Sanitariya, USSR, (12):27-30, (Abstr. in: Biological Effects of Microwaves, ATD-P-65-68, pp. 11-12 (1965)), "Industrial hygiene and the health of technicians servicing 60 - 90 kc generators"

1568. SMUROVA, YE. I., ROGOVAYA, T. Z., YAKUB, I. L., & TROITSKIY, S. A. (1966) Kazanskiy Meditsinskiy Zh. 47(2):82-84, "General health ons working with HF, UHF, and VHF generators in physiotherapy machines"

1569. SNYDER, S. H. (1970) Annual Summary Report, Johns Hopkins Univ. (AD 710005), June 1960 to May 1970, 18 pages, "The effect of microwave irradiation on the turnover rate of serotonin and norepinephrine in rat brain"

1570. SOBAKIN, M. A. (1965) Digest of the 6th Internat. Conf. on Medical Electronics and Biological Engineering, (Iwai, Y., ed.) p. 654 only, "Infra-red radiation from the body surface (radio epigastrica) as an index of the state of the stomach function"

1571. SOKOLNIKOV, O. I. (1937) Tr. III Vses. syezda fizioterap.(Trans. of the Third All-Union Conf. of Physical Therapists), Kiev, pp. 206-, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, Apr. 1965), "The character of biochemical dislocations in the organism under the effect of HF and UHF waves"

1572. SOKOLOV, S. D. (1967) Patologicheskaya fiziologiya i eksperimental'naya terapiya 11(3):69-70, (Abstr. in: Soviet Radiobiology, ATD 68-105-108-9, pp. 85-86, (AD 671436), "Anti-inflammatory effect of a constant magnetic field"

1573. SOKOLOV, V. V., & ARIYEVICH, M. N. (1960) Trudy Nii Gigiyena Truda i Profzabolevaniya AMN SSSR (1):43-45, (Abstr. in: "The Biological Action of UHF, (Letavet, A. A., & Gordon, Z. V., eds.), pp. 39-41, (JPRS 12471); "Changes in the blood under the influence of SHF-UHF on the organism"

1574. SOKOLOV, V. V. & CHULINA, N. A. (1964) Trudy Nii Gigiyena Truda i Profzabolevaniya AMN SSSR (2):122-125, (Abstr. in: The Biological Action of Radio Frequency Electromagnetic Fields, (Letavet, A. A., & Gordon, Z. V., eds.), JPRS 12471 (1962); (JPRS 34963); "Peripheral blood count under the action of radio waves of various wavelengths on the organism"

1575. SOKOLOV, V. V., et al. (1962) Summaries of reports. Questions of the Biological Effect of a SHF-UHF Electromagnetic Field. Kirov Order of Lenin Military Medical Academy, Leningrad, p. 48 only, "The effect of centimeter waves of varying intensity on blood"

1576. SOLEM, D. L., REMARK, D. G., MOORE, R. L., CRAWFORD, R. E., RECHEN, H. J. L. (1968) U. S. Dept. of Health, Education, and Welfare, Public Health Service, Environmental Control Admin., Technical Service Branch Staff Rept., TSB No. 5, "Report of preliminary measurements of electromagnetic radiation fields near microwave ovens" (Also: Non-Ionizing Rad. 1(2):88-94 (1969))

1577. SOLOV'EV, N. A. (1962) In: Proc. of the 2nd All-Union Conf. on the Use of Radioelectronics in Biology and Medicine, Moscow, pp. 29-, "Differentiation of the action of an alternating magnetic field and the emfs and currents induced by it in living organisms"

1578. SOLOV'EV, N. A. (1963) Trudy Vsesoyuznogo Nauchno-Issledovatel'skogo Instituta Meditsinskikh Instrumentov i Oborudovanii, USSR, 3:120-, "Responses of the entire living organism to an electromagnetic field"

1579. SOLOV'EV, N. A. (1963) Doklady Akademii Nauk SSSR 149:438-, "Mechanism of the biological action of a pulsed electromagnetic field"

1580. SOLOVTSOVA, K. M. (1965) Fiziologicheskii Zh. Akad. Nauk UKR SSSR 11(4):489-503, "Effect of electromagnetic high-frequency oscillations on the functioning of the liver in persons with a normal or moderately pathological functional state of this organ"

1581. SOMMER, H. C., & Von GIERKE, H. E. (1964) Aerospace Med. 35(9):834-839, "Hearing sensations in electric fields"

1582. SOROKINA, YE. I. (1965) Voprosy Kurortologii, Fizioterapii i Lechebnoy Fizicheskoy Kul'tury (Problems in Health Resort Sci., Physiotherapy & Medical Physical Culture) 30(1):40-45, (JPRS 29914, pp. 1-8; TT 65-30903 (1965)), "Experience in the use of microwave therapy in patients suffering from sympathetic ganglionitis and radiculitis of the thoraco-cervical segment with a cardiac pain syndrome"

1583. SOUTHWORTH, G. (1937) J. of Applied Physics 8:660-664, "New experimental methods applicable to ultrashort waves"

1584. SOWTON, E., GRAY, K., & PRESTON, T. (1970) British Heart J. 32:626-632, "Electrical interference in non-competitive pacemakers"

1585. SPALA, M. (1961) Sbornik lekarsky 63:349-370, "Dosimetry of thermogenic effects of an rf field and its tolerable dose" in the rabbit" (In Czech.)

1586. SPALA, M., RIEDEL, O., & KACL, J. (1962) Casopis Lekaru Ceskych 101:791-795, (In Czech.) "Effect of the rf field on the metabolism of bone tissue in the rabbit: Incorporation of ostheotropic radioisotopes"

1587. SPARKS, R. A. (1961) Digest of the Internat. Conf. on Medical Electronics, Biological Effects of Microwaves I (Athermal Aspects), (Frommer, P. L., ed.) Plenum Press, New York, pp. 230-, "X-radiation hazards from high power traveling wave tubes"

1588. SPASSKIY, V. A. (1956) Voyenno Meditsinskii Zh. (USSR Military Med. J.) (9):25-28, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, 1965), "The objectives of the study of work conditions and hygienic facilities for the personnel of radar stations"

1589. SPECTOR, N. (1969) Medical College of Virginia Quarterly 5(1):20-, "Thermodes and theories"

1590. SPEICHER, H. W. (1958) AMA Arch. of Industrial Health 17:546-555, "Some factors to be considered in a protection program for use of radiation sources"

1591. SPENCER, J. L., & KNAUF, G. M. (1957) Proc. 1st Tri-service Conf. on Biological Hazards of Microwave Radiation, (Pattishall, E. G., ed.) 1:52-59, "Exposure of Air Force personnel to ionizing radiation produced by radio frequency generators - summary"

1592. STARIKOVA, M. N. (1959) Sovetskaya Meditsina (3):66-68, "The use of a new physical factor - The pulsed VHF-HF electric field in cases of acute inflammatory infiltrates and lymphadenites"

1593. STARMER, C. F., WHALEN, R. E., & McINTOSH, H. D. (1964) Amer. J. of Cardiology 14:537-546, "Hazards of electric shock in cardiology"

1594. STEPHENS, F. H., JR. (1959) In: Investigators' Conf. on Biological Effects of Electronic Radiating Equipments, (Knauf, G. M., Chm.) pp. 42-45, (AD 214693), "Equipment and methods employed in the exposure of experimental animals to microwaves at 24,000 megacycles"

1595. STEPHENS, F. H., JR. (1961) Industrial Med. & Surgery 30:221-228, "Microwave radiation of 10 mw/cm and factors that influence biological effects at various power densities"

1596. STEPHENS, F., & LANDEEN, K. (1963) J. of Occupational Med. 5:418-425, "Effects on dogs of chronic exposure to microwave radiation"

1597. STEPIN, L. D. (1965) M.I.T. Press, Quantum Radio Frequency Physics

1598. STIEBOCK, L. H. (1935) Arch. of Physical Therapy 16:657-661, "The fundamentals and indications of short wave therapy, fulguration and coagulation"

1599. STILLWELL, G. K. (1967) In: Vol. 4, Therapeutic Electricity and Ultraviolet Radiation, Physical Medicine Library, (Licht, S. H., ed.), Licht, E., Pub., New Haven, Conn., "Clinical electric stimulation"

1600. STOCKMAN, H. E. (1969) Electronics (Nov. 24), :110-, "Seeing in the dark is aim of r-f holography"

1601. STODOLNIK-BARANSKA, W. (1967) Nature 214:102-103, "Lymphoblastoid transformation of lymphocytes in vitro after microwave irradiation"

1602. STOLWIJK, J. A. J., & HARDY, J. D. (1965) Rept. No. DASA-1566, "Skin and subcutaneous temperature changes during exposure to intense thermal radiation"

1603. STOPCZYK, M., & PIENIAK, M. (1968) Polish Arch. Med. Wewn 41:773-782, (In Polish), "Diagnosis of the cause of stimulation disorders in patients with implanted heart stimulators with constant rhythm"

1604. STOWELL, R. E., ARNOLD, E. A., GOLDBLATT, P. J., TAKASHIMA, S., TRUMP, B. F., & YOUNG, D. E. (1960) Armed Forces Institute of Pathology Annual Progress Rept, (AD 241314), (Also 1964 Progress Report), "Biological and biochemical effects of microwaves"

1605. STOWELL, R. E., ARNOLD, E. A., FAITH, G. C., GRIFFIN, J. L., & YOUNG, D. E. (1965) Armed Forces Institute of Pathology Annual Progress Rept., pp. 98-117, (AD 470416; RCS-MEDDH-288), "Biological and biochemical effects of microwaves and other physical agents"

1606. STRASSBURGER, A., & SCHLIEPHAKE, E. (1935) Archiv fur Experimentelle Pathologie u. Pharmakol. 177:1-17, (In German) "The influence of ultrashort waves on the heat regulation of rabbits"

1607. STRAUB, K. D., & LYNN, W. S., JR. (1963) Federation Proc. 22, Abstr. No. 2763, p. 623 only, "Effects of oxidizing and reducing agents and A-C current on frog skin potential"

(USSR Military Medical J.)

1608. STYKAN, O. A. (1967) Voyenno Meditsinskiy Zh./ (7):36-38, (ATD Abstr. 8(6/51)), "Problem of radiation-genetic effects of the electronic-vacuum apparatus in radar stations"

1609. SUBBOTA, A. G. (1957) Trudy Voyenno Meditskinskii Akademii i Kirov, USSR, 73:35-37 (Abstr. from Zh. Biol. No. 46203, 1959), "The effect of SHF-UHF electromagnetic fields upon the higher nervous activity of dogs"; ibid., pp. 78-83, (Abstr. from Zh. Biol. No. 59927, 1959), "Changes in respiration, pulse rate and general blood pressure during irradiation of animals with SHF-UHF ibid., pp. 111-115, (Abstr. from Zh. Biol. No. 59926, 1959), "The effect of a SHF-UHF field on heart function and the lumen of vessels"; ibid., pp. 127-132, (Abstr. from Zh. Biol. No. 59922, 1959), "Effect on the blood of animals of exposure to a strong SHF-UHF field"; ibid., pp. 165-, "Some tissue reactions due to local exposure to a SHF field"

1610. SUBBOTA, A. G. (1958) Biulleten Eksperimental'noi Biologii i Meditsiny 46(10):55-61, "The effect of pulsed SHF-UHF electromagnetic fields on the higher nervous activity of dogs"

1611. SUBBOTA, A. G. (1959) In: Summaries of reports. Labor Hygiene and the Biological Effect of Radio Frequency Electromagnetic Waves, Moscow, (Title not given)

1612. SUBBOTA, A. G. (1962) In: Summaries of reports. Questions of the Biological Effect of a SHF-UHF Electromagnetic Field. Kirov Order of Lenin Military Medical Academy, Leningrad, pp. 49-51, "Some problems of adjustment and accumulation under multiple exposures to microwaves"

1613. SUBBOTA, A. G., & GREBESHECHNIKOVA, A. M. (1967) In: Medical and Biological Problems of SHF Radiation. (Petrov, I. R., ed.) (Title not given)

1614. SUPONITSKAYA, F. M. (1933) Byull. Tsentr. Nii Fiz. Metodov Lecheniya Im Sechenov (6-7):244-, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, 1965), (Title not given)

1615. SUROVIEC, H. J. (1967) Arch. of Environmental Health 14:469-472, (Also in Senate Hearings, pp. 1359-1362), "Microwave oven radiation hazards in food vending establishments"

1616. SUSSKIND, C. (1958) Annual Scientific Rept. (1957-1958); (RADC TR-59-298; AD 226735) Institute of Engineering Research, Univ. of Calif. (Berkeley), Ser. No. 60, No. 205, "Biological effects of microwave radiation"

1617. SUSSKIND, C. (1959) Annual Scientific Rept. (1958-1959); (RADC TR-59-181; AD 227847), 45 pages, Inst. of Engineering Research, Univ. of Calif. (Berkeley), Ser. No. 60, No. 241, "Cellular and longevity effects of microwave radiation"

1618. SUSSKIND, C. (1959) In: Investigators' Conf. on Biological Effects of Electronic Radiating Equipments (Knauf, G. M., Chm.) (RADC TR-59-67, p. 18 only; AD 214693), "Summary of the microwave research performed at the Univ. of Calif."

1619. SUSSKIND, C., (ed.) (1959); (RADC TR-59-140, Univ. of Calif., Berkeley, AD 234788) 335 pages, "Proc. of 3rd Annual Tri-service Conf. on Biological Effects of Microwave Radiating Equipments"

1620. SUSSKIND, C., et al. (1960) Institute of Engineering Research, Univ. of Calif., Berkeley, Series No. 60, No. 285, (RADC TR-60-122; AD 245534) 39 pages, "Microwave radiation as biological hazard and tool"

1621. SUSSKIND, C. (& Staff) (1961) Annual Scientific Rept. (1960-1961); (RADC-TR-61-205; AD 269385), Inst. of Engineering Research, Univ. of Calif., Berkeley, Series No. 60, No. 382, 28 pages, "Longevity study of the effects of 3-cm microwave radiation on mice"

1622. SUSSKIND, C., (& Staff) (1962); (RADC-TR-62-624) Univ. of Calif., Berkeley, Series No. 60, No. 489, "Nonthermal effect of microwave radiation"

1623. SUSSKIND, C., & PRAUSNITZ, S. (1959) Proc. of the 3rd Tri-service Conf. on Biological Effects of Microwave Radiating Equipments, (Susskind, C., ed.) 3:33-, (RADC-TR-59-140), "Temperature regulation in laboratory animals irradiated with 3-cm microwaves"

1624. SUSSKIND, C., & VOGELHUT, P. O. (1959) Proc. of the 3rd Tri-service Conf. on the Biological Effects of Microwave Radiating Equipments, (Susskind, C., ed.) 3:46-53, "Analytical and experimental investigation of unicellular organisms with 3-cm microwaves"

1625. SUSSKIND, C., & VOGELHUT, P. O. (1959) Digest of Technical Papers, Proc. of the 12th Annual Conf. on Electrical Techniques in Medicine and Biology (Schwan, H. P., Chm.), p. 53 only, "Analytical and experimental investigation of unicellular organisms under microwave irradiation"

1626. SUSSKIND, C., & VOGELHUT, P. O. (1961) Presented at the Conf. on Microwave Measurement Techniques held by the Inst. of Electrical Engineers in London, Sept., (Institute of Engineering Research, Univ. of Calif., Berkeley, Series No. 60, No. 489, 1962, p. 19-); (Also in: Proc. of the Institute of Electrical Engineers 109B, Suppl. 23:668-669, and 682-685 (1961)), "Cavity perturbation measurement of the effects of microwave radiation on proteins"

1627. SUSSKIND, C., & VOGELHUT, P. O. (1963) Annual Scientific Rept. No. 63-27 (1962-1963) Univ. of Calif., Berkeley, (AD 433659) "Biological uses of non-ionizing radiation"

1628. SUVOROVSKAYA, N. A. (1961) Patologicheskaia Fiziologiia i Eksperimental'naia Terapiia 5(1):38-40, (JPRS 9314), "Investigation of the effect of electromagnetic energy of centimeter waves on hemopoiesis pathology"

1629. SVETLOVA, Z. P. (1962) In: Summaries of reports. Questions of the Biological Effect of a SHF-UHF Electromagnetic Field. Kirov Order of Lenin Military Medical Academy, Leningrad, pp. 43-44, "Changes in the symmetrical conditioned and unconditioned reflexes in dogs under the influence of a SHF-UHF field in the decimeter range"

1630. SWANSON, J. R., ROSE, V. E., & POWER, C. H. (1970) Paper presented at 4th Annual Midyear Topical Symposium, Health Physics Soc., Electronic Product Radiation and the Health Physicist, Louisville, Ky., 28-30 Jan.; Bureau of Radiation Health, Div. of Electronic Products Rept. No. 70-26, pp. 95-110, (Also: Amer. Industrial Hygiene Assoc. J. 31:623-629, (1970)), "A review of international microwave exposure guides"

1631. SYCH, G. YA. (1940) Dnepropetrovsk. Universitet. Institut fiziologii. Sbornik rabot, 3:103-, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, 1965), [Title not given - Discusses alteration of reflex times in frogs exposed to ultrahigh frequency electromagnetic fields]

1632. SYNGAYEVSKAYA, V. A. (1962) In: Summaries of reports. Questions of the Biological Effect of a SHF-UHF Electromagnetic Field. Kirov Order of Lenin Military Medical Academy, Leningrad, pp. 52-53, "Some metabolic indices in the blood and urine of individuals following their exposure to SHF-UHF electromagnetic fields"

1633. SYNGAYEVSKAYA, V. A., & IGNATYEVA, O. S. (1962) In: Summaries of reports. Questions of the Biological Effect of a SHF-UHF Electromagnetic Field. Kirov Order of Lenin Military Medical Academy, Leningrad, p. 52 only, [Title not given]

1634. SYNGAYEVSKAYA, V. A., IGNATYEVA, O. S., & PLESKENA-SINENKO, G. F. (1962) In: Summaries of reports. Questions of the Biological Effect of a SHF-UHF Electromagnetic Field. Kirov Order of Lenin Military Medical Academy, Leningrad [Title not given]

1635. SYNGAYEVSKAYA, V. A. & PLESKENA-SINENKO, G. F. (1959) In: Summaries of reports. Labor Hygiene and the Biological Effect of Radio Frequency Electromagnetic Waves, Moscow [Title not given]

1636. SYNGAYEVSKAYA, V. A., PLESKENA-SINENKO, G. F., & IGNATYEVA, O. S. (1962) In: Summaries of reports. Questions of the Biological Effect of SHF-UHF Electromagnetic Field. Kirov Order of Lenin Military Medical Academy, Leningrad, pp. 51-52, "The effect of microwave radiation in the meter and decimeter waveranges on the endocrine regulation of carbohydrate metabolism and the functional state of adrenal cortex in rabbits and dogs"

1637. SZACHNOWICZ, L. A. (1967) Pediatria Polska 42:679-684, "Use of physical therapy in sequelae and late complications of infectious hepatitis (Botkin's Disease) in children"

1638. SZCZUREK, M. (1963) Przeglad Wojskladowych, Warsaw, _(3):5-15, "Effect of microwaves on living organisms"

1639. SZYMANOWSKI, W. T., & HICKS, R. A. (1932) J. of Infectious Diseases 50(1):1-25, (Title?)

1640. TACCARI, E., CRESPI, M., & DDAINOTTO, F. (1967) Rassegna di medicina sperimentale 14(4):158-167, "Experimental contribution to the study of the effects of microwaves on the mesenteric mast cells of the albino rat"

1641. TAKASHIMA, S. (1966) IEEE Trans. on Bio-Medical Engineering, BME-13(1):28-31, "Studies on the effect of radio-frequency waves on biological macromolecules"

1642. TAKATA, M., & MURASUGI, T. (1941) Bioklimatische Beiblatter 8:17-26, "Disturbance of the flocculation index in healthy human blood serum: Cosmo-terrestrial sympathy"

1643. TALLARICO, R. B., & KETCHUM, J. (1959) Annual Report to Air Force of Microwave Radiation Research at the Univ. of Miami, (AD 232925), pp. 57-78, "Effects of exposure to microwave and infrared energy upon behavior of rats"

1644. TALLARICO, R. B., & KETCHUM, J. (1959) Proc. 3rd Tri-service Conf. on Biological Effects of Microwave Radiating Equipments, (Susskind, C., ed.) 3, pp.? "Effect of microwaves on certain behavior patterns of the rat"

1645. TALLMAN, O. G. (1961) Proc. 4th Tri-service Conf. on the Biological Effects of Microwave Radiation, Vol. 1, (Peyton, M. F., ed.), pp. 3-8, "Radio frequency environment"

1646. TANNER, J. A. (1966) Nature 210:636 only, (May 7), "Effect of microwave radiation on birds"

1647. TANNER, J. A., & ROMERO-SIERRA, C. (1968) 2nd Canadian Medicine and Biology in Engineering Conf., Toronto, (9-10 Sept.) "Microwaves vs. birds: A new approach to the bird problem in aviation"

1648. TANNER, J. A., & ROMERO-SIERRA, C. (1969) Proc. of the "Biological Effects and Health Implications of Microwave Radiation" Symposium, (Cleary, S. F., ed.), Medical College of Va., Richmond, Va., 17-19 Sept.; (Bureau of Radiological Health/Division of Biological Effects, Rept. No. 70-2, pp. 185-187), "Bird feathers as sensory detectors of microwave fields"

1649. TANNER, J. A., ROMERO-SIERRA, C., & DAVIE, S. J. (1967) Nature 216:1139 only, (16 Dec.), "Non-thermal effects of microwave radiation on birds"

1650. TANNER, J. A., ROMERO-SIERRA, C., & DAVIE, S. J. (1969) J. of Microwave Power 4(2):122-128, "The effects of microwaves on birds: preliminary experiments"

1651. TANNER, J. A., ROMERO-SIERRA, C., & VILLA, F. (1969) Proc. of 8th Internat. Conf. on Medicine and Biology in Engineering; and 22nd Annual Conf. on Engineering in Medicine and Biology, held in Chicago, Ill., 21 July, "Changes of muscle action in birds exposed to a microwave field"

1652. TARCHEVSKIY, I. A. (1964) In: Proc. of Concluding Scientific Conf. of Kazan State University, Kazan, pp. 30-, "Change in photosynthetic carbon metabolism as a nonspecific response to the action of electromagnetic factors"

1653. TARJAN, P. P., & MURPHY, W. P., JR. (1970) J. Amer. Medical Assoc. 214(7):1328 only, "Cardiac pacemakers and microwave ovens"

1654. TARUSOV, B. N. (1938) Arkhiv Biologicheskikh Nauk Moscow (Archives des Sciences Biologique) _(2):pp.? (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept P-65-17, Apr. 1965), "Electroconductivity as a method of determining the viability of tissues"

1655. TATARINOV, V. V., & FRENKEL', G. L. (1939) Medgiz, Leningrad, An Introduction to the Study of Ultrahigh Frequency Biological Effects

1656. TAUSSIG, H. B. (1969) Amer. Scientist 57(3):306-316, "Death from lightning and the possibility of living again"

1657. TAYLOR, F. J. D., FLOYD, C. F., & RAWLINSON, W. A. (1960) Proc. of the Internat. Conf. on Medical Electronics and Biological Engineering, 3:393-398, "Some aspects of the measurement of potentially hazardous electromagnetic fields"

1658. TEIXEIRA-PINTO, A. A., CUTLER, J. L., & HELLER, J. H. (1959) Investigators Conf. on Biological Effects of Electronic Radiating Equipments, held at Patrick AFB, Fla. 14-15 Jan. (Knauf, G. M. Chm.) RADC-TR-59-67, pp. 31-32, (AD 214693), "Review of work accomplished at the New England Institute for Medical Research"

1659. TEIXEIRA-PINTO, A. A., NEJELSKI, L. L., CUTLER, J. L., & HELLER, J. H. (1960) Experimental Cell Research 20:548-564, "The behavior of unicellular organisms in an electromagnetic field"

1660. TEPLYAKOVA, N. L. (1965) Trans. of the Science Conf., Central Science Laboratory, Tomsk, _(2):363-364, "Clinical and morphological changes in the visual organ in guinea pigs under short term exposure to alternating and constant magnetic fields"

1661. TERENT'YEVA, YE. V. (1945) Nauchno-issledovatel'skiye ratoty biologicheskikh nauk za 1945 g. Referaty. (Research of the division of biological sciences for 1945. Abstracts), (Izd-vo AN SSSR pp. 347- (1947), (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, 1965), [Title not given; Discusses exposure of the head of dogs to UHF fields (50 MHz) at thermal levels. Changes in conditioned reflex feeding effects were observed]

1662. TERNIE, M., & LOMBARDINI, P. (1951) Bollettino Dell'Istituto Sieroterapico Milanese, Italy, 30:134-150, "Effect of microwaves on bacteria: electromagnetic waves of 3, 10, and 142 cm. wavelength on Escherichia coli"

1663. THERIOT, F. P. (1953) Unpublished summary of the "Conference on the Biological Effects of Microwaves" held at the Naval Medical Research Institute, Bethesda, Md., 29 April

1664. THOMAS, J. A., & THOMSON, J. D. (1961) Federation Proceedings 20(1):401-, (Also, Dissertations Abstr. 22(5):1696 (1961)) "The effect of microwave irradiation on spermatogenesis and on accessory sex organs in the male Albino rat"

1665. THOMPSON, R. L. (1970) Presented at 4th Annual Midyear Topical Symposium, Health Physics Soc., Electronic Product Radiation and the Health Physicist, Louisville, Ky., 28-30 Jan., Bureau of Radiation Health, Div. of Electronic Products Rept. No. 70-26, pp. 463-464, "Microwave hazards surveillance and control"

1666. THOMPSON, W. D., & BOURGEOIS, A. E. (1965) Primate Behavior Lab., Aeromedical Research Lab. Report, (Wright-Patterson AFB, Ohio), (ARL-TR-65-20; AD 489245;/ 77 pages, "Effects of microwave exposure on behavior and related phenomena" **[i.e., physiological processes & X67-11057)**

1667. THOMSON, P. (1910) Proceedings, Royal Soc. (London) 82:396-, "A physiological effect of an alternating magnetic field"

1668. THOMSON, R. A. E., MICHAELSON, S. M., & HOWLAND, J. W. (1960) Federation Proceedings 19(1):71-, "Leucocyte changes in normal dogs exposed to microwaves"

1669. THOMSON, R. A. E., MICHAELSON, S. M., & HOWLAND, J. W. (1963) Report, 10 pages, (RADC-TDR-63-352, AD 424411), "Microwave modification of x-ray lethality in mice"

1670. THOMSON, R. A. E., MICHAELSON, S. M., & HOWLAND, J. W. (1965) Radiation Research 24:631-635, "Modification of x-irradiation lethality in mice by microwaves (Radar)"

1671. THOMSON, R. A. E., MICHAELSON, S. M., & HOWLAND, J. W. (1966) Blood 28(2):157-162, "Leukocyte response following simultaneous ionizing and microwave (Radar) irradiation"

1672. THOMSON, R. A. E., MICHAELSON, S. M., & HOWLAND, J. W. (1967) Aerospace Medicine 38(3):252-255, "Microwave radiation and its effect on response to x-radiation"

1673. THORPE, H. (1952) Trans. of the American Academy of Ophthalmology 56:596-599, "Microwave diathermy in ophthalmology. The various diathermy currents used in ophthalmology"

1674. TIAGIN, N. V. (1958) Biulleten Eksperimental'noi Biologii i Meditsiny (Moskva) 46(8):963-966, "The thermal effects of UHF electromagnetic fields" **(A duplicate of TYAGIN (1958) #1718)**

1675. TIKHONOVA, M. A. (1948) Problems of Experimental Physiotherapy, Collection, Tashkent, pp. 113-119, "The problem of the action of an electromagnetic (UHF) field on the growth of young animals"

1676. TITEL, J. H., & EL-ETR, A. A. (1968) Anesthesiology 29:845-846, "Fibrillation resulting from pacemaker electrodes and electrocautery during surgery"

1677. TKACHENKO, YE. G., & PALALKA, Y. S. (1965) Trans. of Science Conf., Central Science Lab. Tomsk, pp. 338-341, "Changes in the reactivity of leukocytes in the peripheral blood of Albino mice simultaneously vaccinated against anthrax under the action of an alternating electromagnetic field"

1678. TKAN, V. K., & PRIKHOZHII, I. I. (1953) Inst. Biofiz. Akad. Nauk SSSR Sci. Session Celebrating Achievements of Soviet Biophysics in Agriculture, pp. 61-, "Peculiarities of the kinetics of electrical properties of the blood under the action of UHF, infrared rays, and high frequency fields on the organism"

1679. TOLGSKAYA, M. S. (1957) Biulleten Eksperimental'noi Biologii i Meditsiny (Moskva) 43(1):104-107, "Changes in the synaptic formations during intoxication with occupational poisons"

1680. TOLGSKAYA, M. S. (1959) Voprosy Kurortologii Fizioterapii i Lechebnoy Fizicheskoy Kul'tury (Problems in Health Resort Sci., Physiotherapy, & Medical Physical Culture) (1):21-24, (Abstr. in: Biological Effects of Microwaves: Compilation of Abstracts, Sept. 1965, pp. 28-29; ATD-P-65-68), "Morphological changes in animals exposed to 10 cm microwaves"

1681. TOLGSKAYA, M. S., & FUKALOVA, P. P. (1968) Gigiena Truda i Professional'nye Zabolevaniya (Moskva) (9):37-40, "Morphological changes in experimental animals under the action of electromagnetic fields in the HF and VHF ranges"

1682. TOLGSKAYA, M. S., & GORDON, Z. V. (1959) In: Summaries of reports. Labor Hygiene and the Biological Effect of Radio Frequency Electromagnetic Waves. Moscow, pp. 55-, [Title not given]

1683. TOLGSKAYA, M. S., & GORDON, Z. V. (1960) Trudy Nii Gigiyena Truda i Profzabolevaniya AMN SSSR (1):99-103, (In Russian); (In: The Biological Action of UHF, Letavet, A. A., & Gordon, Z. V., (eds.), Moscow, Academy of Medical Sciences USSR, 1960, pp. 104-108 (OTS 62-19175-R; JPRS 12471); (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, 1965); (Also, Abstr. in: Biological Effects of Microwaves: Compilation of Abstracts, Effect of UHF on receptor and interoceptor mechanisms", Sept. 1965, pp. 37-38; ATD-P-65-68), "Changes in the receptor and interoceptor apparatus under the influence of SHF-UHF radiation"

1684. TOLGSKAYA, M. S., & GORDON, Z. V. (1964) Trudy Nii Gigiyena Truda i Profzaboleaniy AMN SSR (2):80-88, (Biological Effects of Radio Frequency Electromagnetic Fields, Inst. of Industrial Hygiene & Occupational Diseases, Acad. of Med. Sciences, Moscow), "Comparative morphological characteristics of the effect of microwaves of various wavelengths"

1685. TOLGSKAYA, M. S., GORDON, Z. V., & LOBANOVA, YE. A. (1957) In: Summaries of reports. Part 2. Jubilee Scientific Session of the Institute of Labor Hygiene & Occupational Diseases Dedicated to the 40th Anniv. of the Great October Socialistic Revolution, Moscow, [Title not given]

1686. TOLGSKAYA, M. S., GORDON, Z. V., & LOBANOVA, YE. A. (1959) Voprosy Kurortologii Fizioterapii i Lechebnoy Fizicheskoy Kul'tury (Problems in Health Resort Sci., Physiotherapy, & Medical Physical Culture) (1):21-24, (Abstr. in: Biological Effects of Microwaves: Compilation of Abstracts (1965), ATD-P-65-68), "Morphological changes in experimental animals under the action of ten centimeter electromagnetic waves"

1687. TOLGSKAYA, M. S., GORDON, Z. V., & LOBANOVA, YE. A. (1960) In: Physical Factors of the Environment, Letavet, A. A. (ed.) [Title not given]

1688. TOLGSKAYA, M. S., GORDON, Z. V., & LOBANOVA, YE. A. (1960) Trudy Nii Gigiyena Truda i Profzabolevaniya AMN SSSR (1):90-98, (In Russian); (Abstr. in: The Biological Action of UHF, Letavet, A. A., & Gordon, Z. V., (eds.), Moscow: Academy of Medical Sciences USSR (1960), pp. 94-103; OTS 62-19175; JPRS 12471); (Also abstr. in: Biological Effects of Microwaves: Compilation of Abstracts, "Effect of pulsed and nonpulsed UHF on the organism", Sept. 1965, pp. 34-37; ATD-P-65-68), "Morphological changes in experimental animals under the influence of pulsed and continuous wave SHF-UHF radiation"

1689. TOLGSKAYA, M. S., & NIKONOVA, K. V. (1964) Trudy Nii Gigiyena Truda i Profzabolevaniya AMN SSSR (2):89-93, "Histologic changes in the organs of white rats under continuous exposure to MF-LF electromagnetic fields"

1690. TOLGSKAYA, M. S., et al (1957) Tezisy Dokladov Yubileynoy Sessii Institut Gig. Tr. Prof. Zabol. (2):73-74, "Morphological changes in animals exposed to SHF and UHF fields"

1691. TOLLES, W. E., & HORVATH, W. J. (1956) Trans. of Institute of Radio Engineers on Medical Electronics, PGME-4:13-15, (See also Erratum in Trans. of Inst. of Radio Engineers PGME-7:pp? 1956)); (Presented at Symposium on Physiologic and Pathologic Effects of Microwaves, Krusen, F. H., (Chm.), Mayo Clinic, 23-24 Sept., 1955), "Energy densities of microwave radiating systems"

1692. TOMBERG, V. T. (1934) Abstracts of the 1st Internat. Congress on Electro-Radio-Biology, (Cappelli, L., ed.) Bologna, Italy, pp. 445-451, (In German with English summary) "The specific biological effects of short wavelength electrical energy"

1693. TOMBERG, V. T. (1959) Digest of Technical Papers, Proc. 12th Annual Conf. on Electrical Techniques in Medicine and Biology, (Schwan, H. P., Chm.), pp. 58-59, "Bionegative actions of microwaves"

1694. TOMBERG, V. T. (1960) Proc. 2nd Internat. Conf. on Medical Electronics, Paris, (1959), Chas. C. Thomas (Publisher), Springfield, Ill., pp. 401-407, "Ultrasonic effects compared with microwave biological effects"

1695. TOMBERG, V. T. (1960) In: Institute of Radio Engineers Internat. Convention Record, Part 9: Instrumentation, Medical Electronics and Nuclear Science Session, "Varied Views of Medical Electronics", pp. 94-97, "Biological microwave hazards"

1696. TOMBERG, V. T. (1960) Proc. 4th Tri-service Conf. on the Biological Effects of Microwave Radiation, Vol. 1, (Peyton, W. T., ed.) pp. 221-228, "Specific thermal effects of high frequency fields"

1697. TOMBERG, V. T. (1961) Digest of Internat. Conf. on Medical Electronics, Biological Effects of Microwaves, I (Athermal Aspects) (Frommer, P. L., ed.) Plenum Press, New York, p. 231-, "Specific electrical effects of radiowaves and their biomedical importance"

1698. TONKIKH, A. V. (1940) In: Questions on the Use of Short Waves and Ultrashort Waves in Medicine, Moscow, "The effect of HF/VHF electromagnetic fields on basal metabolism"

1699. TONKIKH, A. V. (1941) Sborn. Physiol. Vegat. Nerv. System, Leningrad, 13, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD P-65-17, 1965), "Influence of UHF electromagnetic fields on basal metabolism"

1700. TOROPTSEV, I. V., & GARGANEYEV, G. P. (1962) In: Materials of the All Union Sci. Conf., Exp. Kurortology and Physiol. Moscow, "Some morphological changes in experimental animals subject to exposures of alternating electromagnetic fields of industrial importance"

1701. TOSHEV, G., NINOV, V., & TOMOV, V. (1964) Voprosy Kurortologii Fizioterapii i Lechebnoy Fizicheskoy Kul'tury (Problems in Health Resort Sci., Physiotherapy, & Medical Physical Culture) 29(2):154-155, (JPRS 25121, pp. 17-19 (1964); OTS-64-31500), "Experience in the treatment of puerperal mastitis with decimeter waves"

1702. TRESKUNOVA, A. S., & SLIZSKIY, G. N. (1962) In: Summaries of reports. Questions of the Biological Effect of a SHF-UHF Electromagnetic Field. Kirov Order of Lenin Military Medical Academy, Leningrad, pp. 53-54, "Data on the dispensary service offered to individuals exposed in their work to microwave fields"

1703. TRIFONOV, YU. A., & UTINA, I. A. (1966) Biofizika 11(4):646-652, (Biophysics 11:740-748 (1966), (in English)), "Investigation of the mechanism of action of current on the L type cells of the retina"

1704. TROYANSKIY, M. P., KRUGLIKOV, R. I., KORNILOV, R. M., PETROVA-GOLUVENKO, L. B., & KALASHNIKOVA, Z. S. (1967) Voyenno-Meditsinskiy Zh. USSR (Military Med. Jour.), _(7):30-35, (Abstr. in Soviet Radiobiology, 68-105-108-9, ATD Press, (June 1968), p. 87 only), "Some results of an investiation of the state of health of specialists working with SHF-UHF generators"

1705. TSOU, H., et al. (1962) National Medical Journal of China _(7-12):531-533, "Observations on the clinical effectiveness of microwave therapy"

1706. TUMARKINA, L. N., & DUBROVSKIY, ? (1966) Biofizika 11(4):653-658 (Biophysics 11:750-756 (1966), (In English), "Certain aspects of the perception by man of amplitude-modulated signals"

1707. TURLYGIN, S. YA. (1937) Comptes Rendus (Doklady) de l'Acad. des Sci. de l'USSS, 17(1):19-22, (In English), (Abstr. in: ATD Rept. P-65-68, Sept. 1965, Biological Effects of Microwaves, pp. 1-2, "Effect of centimeter waves on the human central nervous system"); (Also, Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, 1965), "Effect of electromagnetic centimeter waves on the central nervous system"

1708. TURLYGIN, S. YA. (1942) Biulleten Eksperimental'noi Biologii i Meditsiny (Moskva) _(4):63-, "Irradiation of the human organism with 2-mm microwaves"

1709. TURNER, J. J. (1962) Based on a translation of The Biological Action of Ultrahigh Frequencies, Letavet, A. A., & Gordon, Z. V., Moscow (1960); U. S. Army Materiel Command, ZEUS Liaison Office, Bell Telephone Labs., Whippany, N. J., 16 July, 64 pages, (AD 278172), "The effects of radar on the human body (results of Russian studies on the subject)"

1710. TURNER, J. J. (1962) Rept. No. RM-TR-62-1 (AD 273787), U. S. Army Ordnance Missile Command, (Bell Telephone Labs.), 21 Mar., 89 pages, "The effects of radar on the human body" **(Based on a transl. of citation #879, this Bibliography)**

1711. TURRELL, W. J. (1935) Arch. of Physical Therapy 16:278-281, "Short wave therapy"

1712. TUTTLE, W. W., & JANNEY, C. D. (1948) Arch. of Physical Med. 29:416-421, "The construction, calibration, and use of thermocouples for measuring body temperature"

1713. TUVE, M. A., & WHITMAN, W. G. (1930) "Unpublished super-high frequency data"

1714. TYAGIN, N. V. (1957) Trudy Voyenno-Meditsinskaya Akademiya i Kirov (Leningrad) USSR, 73:9-19, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept P-65-17, Apr. 1965), "Study of the thermal effect of SHF-UHF electromagnetic fields on various animals using the thermometric method"

1715. TYAGIN, N. V. (1957) Trudy Voyenno-Meditsinskaya Akademiya i Kirov (Leningrad) USSR, 73:84-101, "Electrocardiogram changes in dogs affected by SHF-UHF electromagnetic fields"

1716. TYAGIN, N. V. (1957) Trudy Voyenno-Meditsinskaya Akademiya i Kirov (Leningrad) USSR, 73:116-126, (Abstr. from Zh. Biol. No. 59923 (1959)), "Changes in the blood of animals subjected to a SHF-UHF field"

1717. TYAGIN, N. V. (1957) In: Summaries of reports. Part 2, Jubilee Scientific Session of the Institute of Labor Hygiene & Occupational Diseases Dedicated to the 40th Anniv. of the Great October Socialistic Revolution, Moscow, [Title not given]

1718. TYAGIN, N. V. (1958) Biulleten Eksperimental'noi Biologii i Meditsiny (Moskva) 46(8):/ **963-966 (67-),** "The thermal action of a SHF electromagnetic field"

1719. TYAGIN, N. V. (1959) In: Summaries of reports. Labor Hygiene and the Biological Effect of Radio Frequency Electromagnetic Waves, Moscow, "Some problems of occupational hazard caused by microwave electromagnetic fields"

1720. TYAGIN, N. V. (1960) Voyenno Med. Zh., (USSR Military Med. J.), _(9):14 only, [Title not given]

1721. TYAGIN, N. V. (1962) In: Summaries of reports. Questions of the Biological Effect of a SHF-UHF Electromagnetic Field. Kirov Order of Lenin Military Medical Academy, Leningrad, pp. 54-55, "The syndrome of the chronic effect of a microwave field" **(A67-80162)**

1722. TYAGIN, N. V., & USPENSKAYA, N. V. (1966) Zh. Nervropatologii i Psikhiatrii i Korsakova 66(8):1132-1136/ "Functional changes in the nervous system and some other systems of the organism under chronic exposure to SHF-UHF radiation"

See also TIAGIN

1723. ULC, M., & SVACINA, J. (1966) Ceskoslovenska Neurologie 29(6):402-406, "EEG shifts in personnel working around centimeter wave sources"

1724. ULRICH, L., & FERIN, J. (1959) Pracovni Lekarstvi, Prague, 11:500-503, (In Czech.) "The effect of working in high-power transmitting stations upon certain functions of the organism"

1725. USPENSKAYA, N. V. (1959) In: Works of the Scientific Session Devoted to Results of Work in 1957 by the Inst. of Industrial Hygiene and Occupational Diseases, Leningrad, pp. 63-67, "Clinical aspects of the continuous action of SHF/UHF currents"

1726. USPENSKAYA, N. V. (1959) In: Summaries of reports. Labor Hygiene and the Biological Effect of Radio Frequency Electromagnet Waves. Moscow, p. 23 only, [Title not given]

1727. USPENSKAYA, N. V. (1961) In: Materials of the Scientific Session Concerned with the Results of Work Conducted by the Leningrad Institute of Industrial Hygiene & Occupational Diseases for 1959-1960. Leningrad, pp. 116-117, "Results of the observation of workers exposed to electromagnetic waves in the centimeter range"

1728. VALFRE., et al. (1964) Geofis. Meteorol. 13:76-, (In Italian) "The sensitivity of animal organisms to cosmic variables tested with regular water and physically 'active' water"

1729. VALITOV, N. V., & SRLTENSKII, N. V. (1958) Voenizdat, Moscow, Radio Measurements at Superhigh Frequencies

1730. VALTONEN, E. J. (1966) Acta Rheum. Scand. 12:291-299, "The effects of microwave radiation on the cellular elements in the peritoneal fluid and peripheral blood of the rat"

1731. VALTONEN, E. J. (1966) Experimental Cell Research 43:221-, "Giant mast cells - a special degenerative form produced by microwave radiation"

1732. VAVALA, D. A. (1968) Report. AMD-CR-01-03-68, 58 pages, "Soviet research on the pathophysiology of ultrahigh frequency - electromagnetic fields"

1733. VAN EVERDINGEN, W. A. G. (1938) Nederlands Tijdschrift voor Geneeskunde, Amsterdam, 82:284-, (In Dutch) "Irradiation with ultrahigh frequency radio waves"

1734. VAN EVERDINGEN, W. A. G. (1940) Nederlands Tijdschrift Voor Geneeskunde, Amsterdam, 84:4370-4380, "Molecular changes following irradiation with Hertzian waves of a frequency of 1875 megahertz"

1735. VAN EVERDINGEN, W. A. G. (1941) Nederlands Tijdschrift voor Geneeskunde, Amsterdam, 85(29):3094-3104, (In Dutch), (Biol. Abstr. 16:576-577, Abstr. # 6380 (1942)), (In Dutch) "Molecular and structural alterations due to irradiation with 10 cm Hertzian waves at 3000 MHz frequency"

1736. VAN EVERDINGEN, W. A. G. (1946) Revue Belge des Sciences Medicales (Revue de Pathologie et de Medecine Experimentale) 17(5):261-283, (In French) "Molecular and structural changes produced by irradiation with Hertzian radio waves of 16 and 10 cm (1875 and 3000 MHz). 1. Molecular transformations (hepatic metabolism and problems of cancer)"

1737. VAN POOLE, G. McD. (1935) Arch. of Physical Therapy 16:634 only, (Abstr. from Arch. of Otolaryngology 20:152-, (1934)), "Tuberculosis of the larynx" [Used electrocautery for treatment]

1738. VAN UMMERSEN, C. (1961) Proc. 4th Tri-service Conf. on the Biological Effects of Microwave Radiation, Vol. 1, (Peyton, M. J., ed.) pp. 201-219, (Also in: Investigators' Conf. on Biological Effects of Electronic Radiating Equipments, Patrick AFB, (Knauf, G. M., Chm.), RADC-TR-59-67, AD 214693, July 1959, pp. 16-17), "The effect of 2450 mc radiation on the development of the chick embryo"

1739. VAN UMMERSEN, A. & COGAN, F. C. (1965) Arch. of Environmental Health 11(2):177-178, (A65-82039), (Also in Senate Hearings, pp. 972-973) "Experimental microwave cataracts: age as a factor in induction of cataracts in the rabbit"

1740. VAN UMMERSEN, C. A., & COGAN, F. C. (1969) Proc. of the "Biological Effects and Health Implications of Microwave Radiation" Symposium, (Cleary, S. F., ed.), Bur. of Rad. Health, Div. of Bio. Effects, Rept. No. 70-2, pp. **122 only, "Effects of microwave radiation on lens epithelial cells (summary)"**

1741. VAN WENT, J. (1952) Geneeskundiga Gids (Den Haag) 30:77-88, "Ultrashort wave pituitary irradiation"

1742. VARIN, I. YE. (1964) Gigiena i Sanitariya, USSR, 29(1):28-33, (JPRS 23898), "Concerning the occupational hazards in working with medical VHF-HF oscillators"

1743. VARIN, I. YE. (1964) Voprosy Kurortologii, Fizioterapii i Lechebnoy Fizicheskoy Kul'tury (Problems of Health Resort Science, Physiotherapy, and Therapeutic Physical Culture), Moscow, 29(2):183-190, (JPRS 25121, pp. 22-35; OTS-64-31500), "First all-Russian congress of health-resort specialists and physiotherapists"

1744. VASILENKO, F. D. (1937) Moskovskaia oblastnaia klinika fizicheskikh metodov lecheniva. Trudy., 3, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, 1965), "Influence of UHF electrical fields on the isolated frog heart"

1745. VASIL'YEV, N. V. (1965) Trans. of the Sci. Conf. of the Central Sci. Lab. Tomsk _(2):379-381, "The effect of static and AC magnetic fields on the immunobiological reaction of the organism"

1746. VENDRIK, A., & VOS, J. (1958) J. of Applied Physiology 13(3):435-444, "Comparison of the stimulation of the thermal sense organ by microwave and infrared radiation"

1747. VERETINSKAYA, A. G., TOLGSKAYA, M. S., & PAVLOVA, I. V. (1966) Gigiena Truda i Professional'nye Zabolevaniya (Moskva) 10(9):41-44, (JPRS 39632, TT-67-30281), "Changes of nucleic acids content, induced by UHF waves, in the lungs of rats with experimental silicosis"

1748. VERSER, F. A. (1965) In: U. S. Army Medical Research Lab. Progress Rept. pp. 35-36, (AD 470368), "Dosimetry of radiofrequency and microwave radiation in mammals"

1749. VIBE, K. G., & FAITEL'BERG-BLANK, V. R. (1968) Vestnik Akademii Nauk Kazakhskoy SSR, _(3):40-42, "Effect of microwaves on the content of nucleic acids in digestive organs"

1750. VINER, YE. I., & KHARITONOV, S. A. (1940) Theory and Practice of Physiotherapy, Collection (Moscow) _(4):70-, "The sugar content in the blood under the action of a UHF electric field"

1751. VIOLANTI A., TACCARI, E., & CRESPI, M. (1964-65) Medicina Sperimentale, Turin, _:44-, (In Italian) "Histopathologic study of abdominal organs of animals treated with microwaves"

1752. VITEK, J. (1965) Final Report of ZEZ Research and Development Center, Prague, (In Czech.), "Measurement of RF-energy emission in RF equipment from the health aspect and suggestion for safety measures"

1753. VLADIMIROVA, N. A. (1959) Meditsinskaya Radiologiya 4(7):14-20, "The effect of VHF-HF electric fields on the course of experimental radiation sickness in animals"

1754. VOCCIA, M. (1955) Annali di Medicina Navale e Tropicale 60:658-, (In Italian) "On the causes of ocular fatigue in radar operators"

1755. VOGELHUT, P. O. (1960) Proc. of the Internat. Conf. on Medical Electronics 3:409 only, "Microwaves as a tool in biological research"

1756. VOGELHUT, P. O. (1960) In: 3rd Internat. Conf. on Medical Electronics, p. 52, "Study of enzymatic activity under the influence of 3-cm electromagnetic radiation"

1757. VOGELHUT, P. O. (1962) Electronics Research Laboratory Rept., Series No. 60, Issue (476), Univ. of Calif., Berkeley, (AD 40167), "The dielectric properties of water and their role in enzyme-substrate interactions"

1758. VOGELHUT, P. O. (1968) J. of Microwave Power 3(3):143-147, "Microwave techniques in biophysical measurements"

1759. VOGELHUT, P. O. (1969) Proc. of the "Biological Effects and Health Implications of Microwave Radiation" Symposium, (Cleary, S. F., ed.), Bur. of Rad. Health, Div. of Bio. Effects, Rept. No. 70-2, Richmond, Va., 17 Sept., pp. 98-100, "Interaction of microwave and radio frequency radiation with molecular systems"

1760. VOGELMAN, J. H. (1958) Proc. of 2nd Tri-service Conf. on Biological Effects of Microwave Energy (Pattishall, E. G., & Banghart, F. W., eds.) 2:9-18, (AD 131477; RADC-TR-58-54), "Physical characteristics of microwaves as related to biological effects"

1761. VOGELMAN, J. H. (1959) Proc. 3rd Tri-service Conf. on Biological Effects of Microwave Radiating Equipments (Susskind, C., ed.) 3:332-333, "Comments on papers delivered at Tri-service Conference on Biological Effects of Microwave Radiation"

1762. VOGELMAN, J. H. (1959) Digest of Technical Papers, Proc. of the 12th Annual Conf. on Electrical Techniques in Medicine and Biology, (Schwan, H. P., Chm.), p. 36 only, "Physical and electrical characteristics of a microwave hazard"

1763. VOGELMAN, J. H. (1961) Proc. 4th Tri-Service Conf. on the Biological Effects of Microwave Radiation, Vol. 1, (Susskind, C., ed.) 3:23-31, "Microwave instrumentation for the measurement of biological effects"

1764. VOGELMAN, J. H. (1966) Proc. of the Symposium on Biomedical Engineering, (Sances, A., Jr., ed.) Marquette Univ., Milwaukee, 1:204-210, "A comparative analysis of biological effects of microwave energy"

1765. VOGELMAN, J. H. (1969) Proc. of the "Biological Effects and Health Implications of Microwave Radiation" Symposium, (Cleary, S. F., ed.), Bur. of Rad. Health, Div. of Bio. Effects, Rept. No. 70-2, pp. 7-12, "Physical characteristics of microwave and other radio frequency radiation"

1766. VOKOVA, YE. P. (1947) Candidates Dissertation, Leningrad, "Therapy with the UHF Electrical Field for Acute Inflammatory Processes"

1767. VOLFOVSKAYA, R. N., OSIPOV, YU. A., KALYADA, T. B., KULIKOVSKAYA, E. L., ASANOVA, T. P., & SHCHEGLOVA, A. V. (1961) Gigiena i Sanitariya, USSR, 28(5):18-23, (In Russian), (JPRS 9895) "On the combined action of RF field and x-radiation in industry"

1768. VOLKOVA, A. P., & SMUROVA, YE. I. (1967) Gigiena i Sanitariya, USSR, _(9):107-110, (Abstr. in Soviet Radiobiology, ATD 68-105-108-9 (June 1968) p. 88 only), "The effect of radio frequency electromagnetic fields on phagocytosis, and the course of infectious inflammation in rats" **(Also: Hygiene & Sanitation 32:451-454 (1967), (In English))**

1769. VON EULER, C. (1947) Acta Phisiol. Scandinav. 14 suppl.: 45-, [Title?]

1770. VOSBURGH, B. L. (1956) Institute of Radio Engineers Trans. on Medical Electronics, PGME-4:5-7, (From: Symposium on Physiologic and Pathologic Effects of Microwaves, Sept. 1955, Mayo Clinic, Krusen, F. H. (Chm.)), "Problems which are challenging investigators in industry"

1771. VOSBURGH, B. L. (1958) Proc. 2nd Tri-service Conf. on the Biological Effects of Microwave Energy (Pattishall, E. G., & Banghart, F. W., eds.) 2:118-123, "Recommended tolerance levels of microwave energy: current views of the General Electric Company's health and hygiene service"

1772. VOSS, W. A. G. (1969) J. of Microwave Power 4(2):120-121, "Exposure reference chart and notes on instruments"

1773. VOSS, W. A. G. (1969) Proc. of the "Biological Effects and Health Implications of Microwave Radiation" Symposium, (Cleary, S. F., ed.), Bur. of Rad. Health, Div. of Bio. Effects, Rept. No. 70-2, pp. 217-221, "Microwave hazard control in design"

1774. VYALOV, A. M., & LISICHKINA, Z. S. (1966) Gigiena Truda i Professional'nye Zabolevaniya (Moskva) _(5):39-43, "Characteristics of some clinical and physiological changes in workers exposed to the action of dispersed, constant magnetic fields under industrial and laboratory conditions"

1775. VYALOV, A. M., et al. (1964) In: Questions of Occupational Pathology, Moscow, pp. 169-, "The question of the effect of constant and variable magnetic fields on the human organism"

1776. VYALOV, A. M. (1967) Vestnik Akad. Meditsinskikh Nauk AMN SSSR, _(8):52-58, (Abstr. in: Soviet Radiobiology, ATD 68-105-108-9 (June 1968) p. 88 only), "Magnetic fields as a factor in an industrial environment"

1777. WACKER, P. F. (1969) Proc. of the "Biological Effects and Health Implications of Microwave Radiation" Symposium, (Cleary, S. F., ed.), Bur. of Rad. Health, Div. of Bio. Effects, Rept. No. 70-2, pp. 197-203, (Also: (1970) Report: NBS, Boulder, Colo., Electromagnetics Div., NBS-TN-391, (N70-32534), "Quantifying hazardous microwave fields: analysis"

1779. WAJSZCZUK, W. J., MOWRY, F. M., & DUGAN, N. L. (1969) New England J. of Med. 280(1):34-35, "Deactivation of a demand pacemaker by transurethral electrocautery"

1778. WACKER, P. F., & BOWMAN, R. R. (1971) IEEE Trans. on Microwave Theory and Techniques (Special Issue on Biological Effects of Microwaves) MTT-19(2):178-187, "Quantifying hazardous electromagnetic fields: scientific basis and practical considerations"

1780. WAKIM, K. G., GERSTEN, J. W., HERRICK, J. F., ELKINS, E. C., & KRUSEN, F. H. (1948) Arch. of Physical Med. 29(9):583-593, "The effects of diathermy on the flow of blood in the extremities (An experimental and clinical study)"

1781. WAKIM, K., HERRICK, J., & GERSTEN, J. (1947) Proc. Central Society for Clinical Research 20:49-, (Also: J. Laboratory Clinical Medicine 32:1511-1512 (1947)), "Effects on blood flow: clinical and experimental studies"

1782. WAKIM, K., HERRICK, J., PARKHILL, E., & BENEDICT, W. (1948) Amer. J. of Physiol. 155:432-, (Also: Amer. J. of Ophthal. 33:1241-1245, (1950)), "Effects of microwave diathermy on the eye"

1783. WAKIM, K. G., HERRICK, J. F., MARTIN, G. M., & KRUSEN, F. H. (1949) J. of the Amer. Medical Assoc. 139(15):989-992, "Therapeutic possibilities of microwaves"

1784. WALTHARD, K. (1950) Medical Hygiene 8:182, 431, "Microwaves in physiotherapy"

1785. WARD, G. E. (1947) The Interne 13:347-351, and p. 379, (August), "Electrosurgery"

1786. WATARI, H., HWANG, K. J., ASHIDA, K. (1966) Biochim. Biophys. Acta 128:256-261, "Semiquinone formation of D-amino acid oxidase by irradiation"

1787. WEBB, S. J., & BOOTH, A. D. (1969) Nature 222(5199):1199-, (21 June), "Absorption of microwaves by microorganisms"

1788. WEBB, S. J., & DODDS, D. D. (1968) Nature 218(5139):374-, (27 Apr.), "Inhibition of bacterial cell growth by 136 Gc microwaves"

1789. WEDLICK, L. T. (1967) Medical J. of Australia 2:1050-1051, "The use of heat and cold in the treatment of sports injuries"

1790. WEI, L. Y. (1969) Science 163:280-282, (19 Jan.), "Role of surface dipoles on axon membrane"

1791. WEISS, J. (1935) Arch. of Physical Therapy 16:95-96, "The flasher sinusoidal machine"

1792. WEISS, M. M., & MUMFORD, W. W. (1961) Health Physics 5:160-168, "Microwave radiation hazards"

1793. WEISSENBERG, E. (1934) Abstracts of the 1st Internat. Congress on Electro-radio-biology, pp. 452-456, (In German with English Summary), "Effects of distance on biological hazards to man from radio waves"

1794. WESTIN, J. B. (1968) J. of Occupational Med. 10(3):134-, "Microwave radiation and human tolerance: a review"

1795. WEVER, R. (1967) Zeitschrift fur Vergleichende Physiologie 56:111-128, "The influence of weak electromagnetic fields on the cardiac rhythm of man"

1796. WEVER, R. (1970) Life Sciences and Space Research 8:177-187, "The effects of electric fields on Circadian rhythmicity in men"

1797. WHALEN, R. E., STARMER, C. F., & McINTOSH, H. D. (1964) Annals of the N.Y. Academy of Sci. 111:922-931, "Electrical hazards associated with cardiac pacemaking"

1798. WILDERVANCK, A., & WAKIM, K. G. (1959) Arch. of Physical Med. 40:45-55, "Certain experimental observations on a pulsed diathermy machine"

1799. WILKE, E., & MULLER, R. (1933) Kolloid Z. 65:257-260, (In German), "Effect of electrical waves on colloids"

1800. WILKINS, D. J., & HELLER, J. H. (1963) J. of Chemical Physics 39(12):3401-3405, "Effect of radio-frequency fields on the electrophoretic mobility of some colloids"

1801. WILLIAMS, C. (1955) Annual Meeting of the Industrial Hygiene Foundation, Mellon Inst., Pittsburgh, Pa., 16-17 Nov. "Industrial hygiene aspects of microwaves"

1802. WILLIAMS, D. B., & FIXOTT, R. S. (1957) Proc. 1st Tri-service Conf. on Biological Hazards of Microwave Radiation (Pattishall, E. G., ed.) 1:6-19, (AD 115603), "A summary of the SUMASAF program for research on the biomedical aspects of microwave radiation"

1803. WILLIAMS, D. B., & FIXOTT, R. S. (1957) Medical News Letter (Navy) 30(10):35-, "Biological hazards of microwave radiation"

1804. WILLIAMS, D. B., MONAHAN, J. P., NICHOLSON, W. J., & ALDRICH, J. J. (1956) Institute of Radio Engineers Trans. on Medical Electronics PGME-4:17-22, (From: Symposium on Physiologic and Pathologic Effects of Microwaves (Krusen, F. H., Chm.) Sept. 1955); (Also, A.M.A. Arch. Ophthal. 54:863-874 (1955), and Report 55-94 of Air University, USAF School of Aviation Med., Randolph AFB, Texas, Aug. 1955), (AD 80072), "Biologic effects studies on microwave radiation: time and power thresholds for the production of lens opacities by 12.3 cm microwaves"

1805. WILLIAMS, D. B., & NICHOLSON, W. J. (19__) Report (Classified): Air University, School of Aviation Medicine, USAF, Randolph AFB, Texas, "Biological effects studies on microwave radiation" An appraisal of the biological effects potential of current USAF 'S' band ground radar transmitters"

1806. WILLIAMS, R. B., & CARPENTER, H. M. (1957) Naval Medical Research Institute Report (by Ely, T. S., & Goldman, D. E.), Appendix B of "Heating characteristics of laboratory animals exposed to ten-centimeter microwaves", NMRI Research Reports 15:124-137, "Early lesions in dog testes due to microwaves"

1807. WILLIAMS, D. B., et al. (19__) Institute of Radio Engineers Trans. on Medical Electronics, Ref?, "An observation on the detection by the ear of microwave signals"

1808. WILMER, H. B., & MILLER, M. M. (1935) Arch. of Physical Therapy 16:674-677, "Physical therapy in allergic diseases"

1809. WILSON, G. (1951) North Carolina Medical J. 12(1):19-23, "Treatment of fibrositis in the neck and shoulder with microthermy (radar)"

1810. WILTSCHKO, W. (1968) Zeitschrift fur Tierpsychologie 25:537-, (In German), "A study of the influence of static magnetic fields on the migratory orientation of the robin (Erithacus rubecula)"

1811. WILTSCHKO, W., & MERKEL, F. W. (1966) Zoologischer Anzeiger Suppl. 29:362-, (In German), "Orientation and migratory behavior of the robin in a static magnetic field"

1812. WIMMER, R. (1954) Report: (ERD-CRRC-TM-55-118) Atomic Warfare Directorate, Air Force Cambridge Research Center, Air Research and Development Command, "A survey and analysis of ultra-high-frequency measurement of dosimetry techniques"

1813. WINDLE, J., & SHAW, T. (1954) J. of Chemical Physics 22:1752-, "Dielectric properties of wool-water system at 3000 and 9300 MHz"

1814. WINDLE, J., & SHAW, T. (1956) J. of Chemical Physics 25:435-, "Dielectric properties of wool-water system at 26,000 MHz"

1815. WINGO, W. (1958) Washington Daily News, p. 6 only, (Sept. 3), "Navy warns of strange antenna"

1816. WISE, C. S. (1948) Arch. of Physical Med. 29:17-21, "Effect of diathermy on blood flow: plethysmographic studies"

1817. WISE, C. S., Castleman, B., & Watkins, A. L. (1949) J. of Bone & Joint Surgery, 31A(3):487-, "Effect of diathermy on bone growth in the Albino rat"

1818. WORDEN, R. E., HERRICK, J. F., WAKIM, K. G., & KRUSEN, F. H. (1948) Arch. of Physical Med. 29(12):751-758, "The heating effects of microwaves with and without ischemia"

1819. WROMBLE, R. F. (Editor), (1968) Proc. of a Meeting to Discuss "Technical Considerations in the Measurement and Evaluation of Radiation Emissions from Microwave Ovens", National Center for Radiological Health, U. S. Dept. of Health, Education, and Welfare, Public Health Service, Rockville, Maryland

1820. WUDKA, E., & LEOPOLD, I. H. (1957) Arch. of Ophthalmology 58:829-849, "Experimental studies of the choroidal vessels: VI: Observations on the effects of physical agents"

1821. YAKOVLEVA, M. I. (1964) Section in: Chapter 8 of Outline of the Evolution of Nervous Activity, Meditsina Publ. House, Leningrad, pp. 202-, "The functional state of the sympathetic-adrenal system during the action of microwave electromagnetic fields.

1822. YAKOVLEVA, M. I. (1968) Biulleten Eksperimental'noi Biologii i Meditsiny (Moskva)69(9):9-11, "The study of efferent impulsation in postganglionic sympathetic fibers under the action of a SHF-UHF electromagnetic field" (Also cited as #656, this Biblio.)

1823. YAKOVLEVA, M. I. (1968) Zh. Vysshei Nervnoi Deyatel'nosti imeni i Pavlova, USSR, 18(3):418-424, (JPRS 46632; N68-37285), "The effect of SHF-UHF electromagnetic fields of conditioned reflex control of cardiac and respiratory activity"

1824. YAKOVLEVA, M. I., SHLYAFER, T. P., & TSVETKOVA, I. P. (1968) Zh. Vysshei Nervnoi Deyatel'nosti imeni i Pavlova, USSR, 18(6):973-978, "Conditioned cardiac reflexes and the functional and morphological status of cortical neurons under the action of SHF-UHF electromagnetic fields" (Also cited as #658, this Biblio.)

1825. YAMAURA, I., & CHICHIBU, S. (1967) Tohoku J. of Experimental Med. 93(3):249-259, "Superhigh frequency electric field and crustacean ganglionic discharges"

1826. YAO, K. T. S., & JILES, M. M. (1969) Proc. of the "Biological Effects and Health Implications of Microwave Radiation" Symposium, (Cleary, S. F., ed.), Bur. of Radiological Health, Division of Biological Effects, Rept. No. 70-2, pp. 123-133, "Effects of 2450 MHz microwave radiation on cultivated rat kangaroo cells"

1827. YASNOGORODSKIY, Y. (1959) Voprosy Kurortologii, Fizioterapii i Lechebnoy Fizicheskoy Kul'tury (Problems in Health Resort Sci., Phyiotherapy, & Medical Physical Culture), Moscow, _(6):563-567, (JPRS 3039D), "Conference devoted to problems concerning the application of radioelectronics in medicine and biology"

1828. YASNOGORODSKIY, V. G. (1960) In: Elektronika V Meditsine (Electronics in Medicine), Gosenergizdat, Leningrad, pp. 228-232, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17, (Apr. 1965)), "Specifications for a high-frequency therapeutic apparatus; hygienic estimate of labor conditions during work with HF generators"

1829. YASUICHI, H. (1952) J. Chem. Soc. of Japan (Pure Chem. Sec.) 73:644-645, "Effect of ultra-high-frequency waves on the crystallisation process of salts"

1830. YATSENKO, M. I. (1965) Fiziologicheskiy Zh./Akad. Nauk UKR SSR 11(4):516-519, "Effect of microwaves on the absorptive capacity of the synovial membrane of the knee joint when the spinal cord has been severed"

1831. YATSENKO, M. I. (1966) Fiziologicheskiy Zh./Akad. Nauk UKR SSR 12(3):377-381, "Effect of microwaves on the absorptive capacity of the knee joint under the effect of atropine and carbocholine" (Also cited as #659, this Biblio.)

1832. YATSENKO, M. I. (1968) Fiziologicheskiy Zh./Akad. Nauk UKR SSR 14(2):261-264, "Effect of microwaves on the absorptive capacity of the knee joint under conditions where adrenalin and aminazine have been introduced into the organism"

1833. YATTEAU, R. F. (1970) New England J. of Med. 283(26):1447-1448, "Radar-induced failure of a demand pacemaker"

1834. YEFIMOV, V. V. (1942) Biulleten Eksperimental'noi Biologii i Meditsiny (Moskva) 14(2):61-, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17 (Apr. 1965)), (Title not given) [A UHF field causes drowsiness in some species of animals]

1835. YELEAZAROVA, M. P. (1940) Klinika Fizicheskikh Metodov Lecheniya. Trudy, Moscow oblast', _(4):177-, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17 (Apr. 1965)), "Change in protein metabolism under the influence of a UHF field"

1836. YELISEYEV, V. V. (1964) Trudy Nii Gigiyena Truda i Profzabolevaniya AMN SSSR _(2):94-104, "Method of animal irradiation in the experimental study of the effects of radio frequency electromagnetic waves"

1837. YELISEYEVA, M. I. (1937) Biological Effect of Ultrahigh Frequencies, Symposium, Moscow, pp. 261-, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept P-65-17 (Apr. 1965)), "Glycemic reactions of rabbits to a UHF field"

1838. YERMAKOV, Y. V. (1969) Voyenno Meditsinskiy Zh. (USSR Military Med. J.), _(3):42-44, "Developmental mechanism of astheno-vegetative disorders in case of chronic exposure to UHF fields"

1839. YERMOLAYEV, YE. A. (1964) Voyenno-Meditsinskiy Zh. (USSR Military Med. J.), _(9):22-26, (Abstr. in: Biological Effects of Microwaves, (ATD-P-65-68, (Sept. 1965), pp. 23-24, "Industrial Hygiene and Radiation Dosimetry Around UHF Sources"), "Evaluating the danger of SHF-UHF and x-radiation in the vicinity of radar stations"

1840. YERMOLAYEV, Y. A., & KOVACH, R. I. (1968) Voyenno Meditsinskiy Zh., (USSR Military Med. J.), _(1):55-59, "On the problems of the methods of estimating irradiation by SHF-UHF radiowaves"

1841. YERMOLAYEV, YE. A., SUBBOTA, A. G., & CHUKHLOVIN, B. A. (1967) Voyenno Meditsinskiy Zh. (USSR Mil.Med.J.) _(7):45-49, (ACSI J3146), "The degree of standardization of microwave radiation in foreign armies - a literature review"

1842. YEVDOKIMOV, I. R. (1964) In: Biological Action of Ultrasound and Superhigh Frequency Electromagnetic Oscillations, Gorodetskiy, A. A., Academy of Sciences, Institute of Physiology, imeni A. A. Bogomolets, Kiev, "Ultraacoustic parameters of the blood in the dynamics of acute radiation sickness"

1843. YOUMANS, C. R., JR., BOURIANOFF, G., ALLENSWORTH, D. C., MARTIN, W. L., & DERRICK, J. R. (1969) Amer. J. of Surgery 118:931-937, "Electroshock therapy and cardiac pacemakers"

1844. ZABOTIN, A. I. (1965) In: Questions of Hematology, Radiobiology, and the Biological Action of Magnetic Fields, Tomsk, pp. 323-, "The effect of magnetic and electric fields on the rate and chemistry of photosynthesis"

1845. ZAGORUL'KO, L. T. (1948) Uspekhi sovremennoy biologii 25:231-, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17 (Apr. 1965)), (Title not given) [Exposure of occipital regions to UHF produces alterations in the course of consecutive visual images]

1846. ZAHRADNIK, J. W., & CHEN, C. S. (1967) Digest of the 7th Internat. Conf. on Medical and Biological Engineering, (Jacobson, B., ed.), Stockholm, p. 402 only, "Bacterial lethality predictions during heating based on principles of similitude"

1847. ZAKRZHEVSKIY, YE. B., & MALYSHEV, V. M. (1964) Voyenno Meditsinskiy Zh. (USSR Military Med. J.), _(10):15-19, (Abstr. ACSI-17232), "The chronic effect of an SHF-UHF electromagnetic field on the human organism - review of literature"

1848. ZANINI, A. (1943) Zentralblatt fur die gesamte radiologie 37:216 only, (Originally appeared in Med. Ital. 24:73-83, (1943); (In Italian)), Abstr. only, (in German), "Shortwave therapy in the non-expectorant bronchopneumonia in children"

1849. ZARET, M. M. (1959) Proc. 3rd Tri-Service Conf. on Biological Effects of Microwave Radiating Equipments (Susskind, C., ed.) 3:334-335, "Comments on papers delivered at Tri-Service Conference on Biological Effects of Microwave Radiation"

1850. ZARET, M. M. (1962) Industrial Hygiene Review 5:11-, "The biological effects of microwave radiation"

1851. ZARET, M. M. (1964) Report, 25 pages, (AD 608746; RADC TDR-64-273), "An experimental study of the catoractogenic effects of microwave radiation"

1852. ZARET, M. M. (1965) In: Life in Spacecraft, Proc. of the 16th Internat. Astronautical Congress, Athens, (A67-30769; Abstr. available as A66-10793), "Ophthalmic effects associated with ionizing and non-ionizing electromagnetic radiation fields"

1853. ZARET, M. M. (1965) Annual Progress Report (AD 615469), "Effects of electromagnetic radiation on biological systems"

1854. ZARET, M. M. (1966) Annual Progress Report, Zaret Foundation Inc., Scarsdale, N. Y., 22 pages, (AD 635943), (Also, Progress Rept. for 1967, 5 pages, (AD 654447; N67-86176)), "Ocular effects of microwave radiation"

1855. ZARET, M. M. (1967) Annual Progress Report, The Zaret Foundation, Inc., June 1966 to May 1967, 10 pages, (AD 654523; N67-35537), "Ophthalmic hazards of microwave and laser environments"

1856. ZARET, M. M. (1969) Final Report on ARPA Project, The Zaret Foundation, Inc., (AD 856712), "Effects of low-level microwave irradiation on heart rate in rabbits"

1857. ZARET, M. M., CLEARY, S. F., PASTERNACK, B., EISENBUD, M., & SCHMIDT, H. (1961) Report (RADC TN-61-226), 110 pages, (AD 266831), "Occurrence of lenticular imperfections in the eyes of microwave workers and their association with environmental factors"

1858. ZARET, M. M., CLEARY, S. F., PASTERNACK, B., EISENBUD, M., & SCHMIDT, H. (1963) Institute of Industrial Medicine, N. Y. Univ. Medical Center, Final Report (RADC-TDR-63-125), (AD 413294), 142 pages, "A study of lenticular imperfections in the eyes of a sample of microwave workers and a control population"

1859. ZARET, M. M., & EISENBUD, M. (1961) Proc. 4th Tri-Service Conf. on the Biological Effects of Microwave Radiation, Vol. 1, (Peyton, M. F., ed.) pp. 293-308, "Preliminary results of studies of the lenticular effects of microwaves among exposed personnel"

1860. ZARET, M. M., KAPLAN, I. T., & KAY, A. M. (1969) Proc. of the "Biological Effects and Health Implications of Microwave Radiation" Symposium, (Cleary, S. F., ed.) Bur. of Radiological Health, Division of Biological Effects, Rept. No. 70-2, pp. 82-84, "Clinical microwave cataracts"

1861. ZARET, M. M., MARTIN, C., & LYONS, W. (1965) Ref?, "Investigation of hazard due to exposure to microwave radiation fields encountered in Naval operations"

1862. ZARET, M. M., et al. (1964) Technical Documentary Report No. RADC-TDR-64-273, (AD 608746), 25 pages, "An experimental study of the cataractogenic effects of microwave radiation"

1863. ZARZHEVSKIY, S. YA., & KARELIN, O. N. (1966) Voenno Meditsinskiy Zh., (USSR Military Med. J.), _(12):pp?, (ACSI J1642), "The methods of calculating the protective zones in radar station areas"

1864. ZDECKI, S. (1967) Lekarz Wojskowy (Poland) 43(2):124-129, (FTD HT-23-1500-67; ATD Abstr. 20(5/124); & AD 845280), "Examination and rating of the organ of vision of persons exposed to microwave radiation with particular attention to the lenses of the eye"

1865. ZELLER, E. A., WAKIM, K. G., HERRICK, J. F., & BENEDICKT, W. (1951) Amer. J. of Ophthalmology 34(9):1301-, "Influence of microwave on certain enzyme systems in the lens of the eye"

1866. ZENDLE, R., & GOODALE, E. E. (1959) Health Physics 2:78-80, "Some unusual x-radiation dosimetry problems associated with radar installations"

1867. ZENINA, I. N. (1964) Trudy Nii Gigiyena Truda i Profzabolevaniya AMN SSSR _(2):26-32, (Abstr. in: The Biological Action of Radio Frequency Electromagnetic Fields, Institute of Industrial Hygiene and Occupational Diseases, Academy of Medical Science, Moscow, USSR), "The effect of pulsed SHF-UHF fields on the central nervous system during single and continuous radiation"

1868. ZHUKHIN, V. A. (1938) Works of the Turkmen Med. Inst. 2(3-4):1-247, "Pathological and anatomical changes in certain animals under the general exposure to UHF electromagnetic fields"

1869. ZHUKHIN, V. A. (1967) Tr. Nauchno-issledovatel'skogo Inst. Fizich. Metodov Lecheniya, SSSR, _(2), pp.?, "Pathomorphological changes occurring in the central nervous systems of animals exposed to ulstrashort waves"

1870. ZILITINKEVICH, S. I., BALOBEI, F. P., BOGDANOVA, E. K., IVANOV, P. P., & KUZNETSOV, YU. V. (1967) Biomedical Engineering 1(3):177-179, (Translation of Med. Tekh. 1(3):59-62, 1967, (In Russian)), "Measuring apparatus for biological and medical investigations in centimeter range of radiowaves"

1871. ZIMMER, R. P., ECKER, H. A., & POPOVIC, V. P. (1971) IEEE Trans. on Microwave Theory and Techniques (Special Issue on Biological Effects of Microwaves) MTT-19(2):238-245, "Selective electromagnetic heating of tumors in animals in deep hypothermia"

1872. ZORE, V. A., KIMEL'FEL'D, O. D., SUZDALEVA, V. V., KOBYZEVA, L. P., & GENKINA, YE. S. (1967) Biofizika 12(1):124-126, (Abstr. ATD 15 (5/117); AP 7006956), "Complex dielectric permittivity of human blood serum in the 100-500 MHz range under normal conditions and during some diseases"

1873. ZUBENKO, P. M. (1940) Dnepropetrovsk Universitet. Institut. Fiziologii. Sbornik rabot, _(3):63-, (Abstr. in: The Biological Effects of Electromagnetic Fields - Annotated Bibliography, ATD Rept. P-65-17 (Apr. 1965)), "Mechanism of the action of UHF on gas exchange"

1874. ZUBKOVA, S. M. (1967) Author's Abstract of Candidate's Dissertation, Moscow, "Reaction of Excitable System of Paramecia to Microwave Irradiation"

1875. ZUBKOVA, S. M. (1968) Trans. of the Moscow Society of Naturalists 28:130-136, "Effects of electromagnetic fields on the regulation of motor functions in paramecia"

1876. ZUBKOVA-MIKHAYLOVA, ?, & ALEKSEYEV, YU. N. (1968) Biulleten Eksperimental'noi Biologii i Meditsiny (Moskva) _(1):115-118, "The effect of electromagnetic oscillations in the radio frequency spectrum on neurosecretion of the hypothalmus and on endocrine glands"

ZYDECKI, S. (See ZDECKI, S.)

Unsigned Reports and Articles (In Chronological Order, Where Possible)

1877. Opening (and Closing) Speech made by the regent at the First Meeting of the S. I. R. B. (Soc. Internat. of Electro-Radio-Biology). Abstr. of the 1st Internat. Congress of Electro-Radio-Biology, Venice, (Cappelli, L., ed., Bologna, Italy), pp. 82-85, (1934) (English Translation)

1878. "Those most sensitive to electricity stand shock best", Arch. of Physical Therapy 16:625-626, (1935), (Abstr. in: Science NewsLetter, date?)

1879. "Ultrashort waves in medicine and biology", Proc. of the 1st Ukrainian Conf. on Shortwave Studies, Kharkov, Gosmedizdat (1936)

1880. Problems of the Metrics and Dosimetry and Ultrahigh Frequency in Biology and Medicine, Moscow (1937)

1881. Materials of the Leningrad Conference on VHF-HF Waves, Leningrad, (1937)

1882. Proceedings of First All-Union Conference (of Physicians, Biologists, & Physiologists) on the Problems of the Use of short and Ultrashort Waves in Medicine, Medgiz, (Moscow), (1940)

1883. "Biological and therapeutic effect of a magnetic field and strictly-periodical vibrations", Perm, Molotov (1948)

1884. "Radar and cataracts", J. Amer. Medical Assoc., 150(5):528 (4 Oct. 1952), (Also, Nuc. Sci. Abs. 4:339 (1957))

1885. "Health hazards in microwave radiation", U. S. Military Air Transport Service Medical Information Letter, No. 113, pp. 10-12 (1953)

1886. "Council on Physical, Medical, and Rehabilitation Therapy: Illegal Operations of Medical Diathermy Equipment", J. Amer. Medical Assoc. 156:1583-, (1954)

1887. "Critique of the biological hazards of microwave radiation", Geo. Washington Univ., Washington, D. C., Rept. 56-21, (Nov. 1956)

1888. "Electromagnetic radiation hazards" (Classified) Rome Air Defense Center, Proj. 4554, (Oct. 1956)

1889. "Biomedical aspects of microwave radiation", (Classified), School of Aviation Medicine, U. S. Air Force, Proj. 7783, (Mar. 1956)

1890. "Symposium on Physiologic and Pathologic Effects of Microwaves", Institute of Radio Engineers Trans. on Medical Electronics PGME-4, 52 pages, (Feb. 1956)

1891. "Radar death calls for caution", Electronics (Business Edition), p. 26, (20 June 1957)

1892. "Health hazards; Information on microwave radiation (including ionizing radiation from electronic equipment)", Environmental and Occupational Health Information Letter No. 5B; Headquarters Air Material Command, Wright-Patterson AF Base, Ohio, (Nov. 1957)

1893. Conference on Radio-Frequency Hazards; Minutes, Sponsored by Navy Dept., Bureau of Ships, Electronics Div. (Code 960), (Aug. 1957), (Also Minutes of 1958 Conf.)

1894. "Bibliography of microwaves and their biological effects", Prepared in cooperation with the Directorate of Technical Services, Rome Air Defense Center; Appendix E, p. 111-114, Proc. 1st Tri-Service Conf. on Biological Hazards of Microwave Radiation, (Pattishall, E. G., ed.) 1, (1957) (AF 1860011, AD 115603)

1895. "The biological effect of a SHF-UHF electromagnetic field, Trudy Voy. Med. Akad. i Kirol, USSR, Leningrad (1957)

1896. "Microwave (radar) health hazards; health precautions for prevention of", Bureau of Medicine and Surgery, Department of Navy, Bumed Notice 6260, (1958)

1897. "Radar radiation hazards", Electronics (Business Edition) _:15-, (April 18, 1958)

8 pages, (AD 624221; SETE-210-14)

1898. "Hazards of microwave electromagnetic radiation", New York Univ. College of Engineering, N. Y., (1958)

1899. "Control of potential hazards to health from microwave energy", Army Regulation (A.R.) No. 40-583, (Sept. 1958), Superseded by Regulations of Sept. 1961)

1900. "Radio frequency hazards handbook", Bur. of Aeronautics of U. S. Air Force, T. O. 31-1-80, (Apr. 1958), (Revised Jan. 1959)

1901. "Hazards of microwave electromagnetic radiation", Report, N. Y. Univ. School of Eng. Sci. (AD 624221), (1958)

1902. "Health Hazards Information: Microwave radiation", U. S. Air Force Rept. AFP 160-613, pp. 1-10, (May 1958)

1903. "New biological effects of R-F radiation", Electronics 32:38-39, (1959), (From Proc. of the 12th Annual Conf. on Electrical Tech. in Med. and Biology)

1904. "Investigator's Conference on Biological Effects of Electronic Radiating Equipments", Tech. Report on Proj. 5545, RADC-TR-59-67, 45 pages, (AD 214693), (Jan. 1959)

1905. "Biological, Clinical, and Research Aspects of the New Bio-Electrical Approach to the Treatment of the Whole Patient", The Abraham J. Ginsberg Foundation, Invitational Symposium, New York, (June 1959)

1906. "Medical considerations of exposure to microwaves (radar), Medical News Letter (Navy) 34(7):35-40, (Oct. 1959)

1907. "Radar hazards", National Safety News, Data Sheet 481, (1959)

1908. "Blood coagulation changes due to electromagnetic microwave irradiations", Report, St. Louis Univ., (DA-36039, SC-78122), (AD 229267), (1959)

1909. "Labor hygiene and the biological effect of radio frequency electromagnetic waves, summaries of reports", Moscow (1959)

1910. Digest of Technical Papers of 12th Annual Conf. on "Electrical Techniques in Medicine and Biology", (Schwan, H. P., Chm.), Rome Air Development Center, N. Y., TR-59-227, (Sponsored by Institute of Radio Engineers, AIEE, and Instrument Soc. of America; Phila., Pa.), (Nov. 1959)

1911. "Biological effects of radio frequency radiation: bibliography", Prepared by Rome Air Development Center and Midwest Research Institute, Kansas City, Mo., (RADC TR 60205), (AD 244003), (1960)

1912. "How dangerous are microwaves?", British Medical J., pp. 1420-1421, (1960)

1913. Discussion on Ultrasonics and Microwave Radiation (at 3rd Internat. Conf. on Medicine & Electronics), Proc. of the Internat. Conf. on Med. Electronics in Medicine & Biol. Engineering 3:459-461, (1960);

1914. "Safety precautions relating to intense radio-frequency radiation", Her Majesty's Stationery Office, London (1960); Reprinted in: Radiation Control for Health and Safety Act of 1967 ("To provide for the protection of the public health from radiation emissions"), Hearings before the Committee on Commerce, United States Senate, 90th Congress, Second Session, Part 2, Serial No. 90-49, pp. 1571-1574, (May, 1968)

1915. "Interim standard definitions of terms related to radio frequency radiation hazards", Prepared under Navy, Bureau of Ships, Contract with Midwest Research Institute, Contract No. NOBS-77142, (May 1961)

1916. "Electromagnetic radiation hazards", U. S. Air Force T. O. 31Z-10-4, (Oct. 1961), Superseded by: "Ground Electronics Engineering - Installation Agency Standard", Tech. Manual, (May 1967)

1917. "Final report on biological effects of R-F radiation on macromolecules", Melpar, Inc., Falls Church, Va., (AD 284373), (Aug. 1962)

1918. "Questions of the Biological Effect of a SHF-UHF Electromagnetic Field, Summaries of Reports", Kirov Order of Lenin Military Medical Academy, Leningrad (1962)

1919. Methods of Protection Against the Action of Electromagnetic Fields with the Use of High-Frequency Generators, Moscow, (1962) (In Russian)

1920. "Bulletin on health hazards due to radar and similar installations and their prevention", Dusseldorf, (1962), (In German)

1921. In: The Biological Action of Ultrahigh Frequencies, Letavet, A. A., & Gordon, Z. V., (Eds.), (JPRS 12471), (N62-11902), (Feb. 1962), "Recommendations for conducting preliminary and periodic medical examination of workers using UHF sources", pp. 123-125; "Sanitary regulations in work with generators of centimeter waves", pp. 126-130; "Instructions on the method of measuring the power flux density of UHF energy at working positions", Appendix, pp. 131-133; "Bibliography of biological effects of UHF", pp. 134-142

1922. "Microwave effects on the human body: bibliography", (AD/46950), (1962) [Not presently avail. from DDC; "withdrawn by controlling agency"]

1923. "The 'Hyfrecator' for electro-desiccation, fulguration, and coagulation", Symposium on Electrodesiccation and Bi-active Coagulation; The Birtcher Corp., Los Angeles, 32 pages, (1963)

1924. "Neurological responses to external electromagnetic energy (A critique of available data and hypotheses)", Compilation of Material Presented at the Conf. at the Brain Research Inst., UCLA, (Adey, W. R., Chm.), 101 pages, (July 1963)

1925. Abstracts of the Conference on "Industrial Hygiene and the Biological Action of Radio Frequency Electromagnetic Fields", Inst. of Indust. Hygiene and Occup. Diseases, Acad. of Med. Sci., Moscow, (1963)

1926. Protection Against the Action of Electromagnetic Fields and Electric Current in Industry, Leningrad, (1963) (In Russian),

1927. "Soviets design clothing to protect workers from the effects of electric fields", Technical Digest (Czech) 9):79-, (Sept. 1964)

1928. "Threshold limit values for toxic chemicals and certain electromagnetic radiation", U. S. Army Report (TB MED-265), (April 1964)

1929. "Some biochemical changes in workers exposed to centimeter waves", Trans. of Soviet Bloc Sci. and Tech. Lit. (ATDP 6495; AD 460106), (1964)

1930. "Biological Effect of Ultrasound and UHF Electromagnetic Waves", Kiev, (1964), (In Russian)

1931. The Biological Effects of Electromagnetic Fields - An Annotated Bibliography" of Soviet-Bloc Literature, Aerospace Technology Division, Library of Congress, ATD Rept. P-65-17, 45 pages, (AD 460705), (April 1965) [by DODGE, C. H.]

1932. Biological Effects of Microwaves: Compilation of Abstracts, (Survey of Soviet Scientific & Tech. Lit.), Aerospace Technology Div., Library of Congress, ATD Rept. P-65-68, 98 pages, (AD 621648), (Sept. 1965) [by DODGE, C. H.]

1933. "Biomedical microwave research", "Aerospace Technology Division Press, Library of Congress, 4(43):pp.?, (August 1965)

1934. "Radiation hazards", California Public Health, (Berkeley), pp. 1-12, (1965)

1935. "A standard method of determining field intensity and irradiation by electromagnetic waves in the RF and UHF bands for health purposes, preventive medical examinations of personnel and possibly of persons exposed to such radiation", Decree of the Czechoslovak Surgeon General, (1965), (In Czech.)

1936. "Control of hazards to health from microwave radiation", U. S. Army/Air Force, TB-MED-270/AFM-161-7, (Dec. 1965)

1937. "Effects of R-F energy on biological macromolecules, II", by Melpar, Inc., Falls Church, Va., for U. S. Army, Edgewood Arsenal, Md., (AD 618472), (1965)

1938. "Ground electromagnetic interference and radiation hazards", Air Force Regulation AFR-100-6, (Supersedes AFR-66-19 of Oct. 1961), (Dec. 1966)

1939. "Technical manual for radio frequency radiation hazards", NAVSHIPS 0900-005-8000, Dept. of the Navy, Naval Ship Systems Command, (July 1966)

1940. "Sanitary regulations in work with sources of MF-LF and VHF-HF electromagnetic fields" (USSR No. 615-66), (1966), 11 pages.

1941. "Safety level of electromagnetic radiation with respect to personnel", Report of U. S. of A. Standards Institute, Sponsored by U. S. Navy and Inst. of Electrical & Electronics Engineers, (USAS C95.1), (Nov. 1966); Also IEEE Trans. on Biomedical Engineering, BME-14(2):pp.?, (1967)

1942. "UHF electromagnetic fields change behavior", Radiation 90(20):389-412, (1966)

1943. "UHF changes behavior", Science News 90(20):394 Only,(1966)

1944. "Dog tests increase microwave concern", Technology Week, pp. 33-34, (1966)

1945. "Electronic (RF) safety", Abstr. from 'Safety Precautions for Shore Activities'; Dept. of the Navy, NAVSO P-2455, (June 1967)

1946. "Microwave equipment", Chapt. G, p. 25-, in: Electrical Safety Guides for Research; Safety and Fire Protection Technical Bulletin #13, (Div. of Operational Safety, U. S. Atomic Energy Commission), (Dec. 1967)

1947. "Radiation hazards", Abstr. from: 'Electronics Installation and Maintenance Book', Dept. of the Navy, NAVSHIPS 0967-000-0106, (formerly 900,000.100), (June 1967)

1948. "The microwave oven - a benefit and a potential hazard", In Congressional Record - Senate, (8 July 1968), pp. 8231-8234

1949. "Report of shipboard electromagnetic radiation hazard measurements (aboard the USS DECATUR (DDG-31)" (U), (CONFIDENTIAL), Naval Ship Systems Command, Dept. of the Navy, (March 1967)

1950. "Radiation Control for Health and Safety Act of 1967" (to provide for the protection of the public health from radiation emissions), Hearings before the Committee on Commerce, U. S. Senate, 90th Congress, 2nd Sessions on S. 2067, S. 3211, and H.R. 10790, Part 1, 28, 29, 30 Aug. 1967; Part 2, 6-15 May 1968, Ser. No. 90-49; Government Printing Office (Referred to in this bibliography as "Senate Hearings, 1967"), (1968)

1951. "Evaluation of microwave radiation hazard measurement equipment and techniques", Georgia Institute of Technology Research Proposal submitted to: National Center for Radiological Health, Department of Health, Education, and Welfare, (Dec. 1968)

1952. "Effects of radar on the human body", (AD 278172), (1969)

1953. "Biological effects of low intensity radio-frequency radiations", (bibliography), Allied Research Associates, Inc., Concord, Mass. Rept. No. ARA-8366, 204 pages, (1969)

1954. Report of Chief of Naval Research, Chief of Naval Development (CNR-CND) Technical Working Group on Biological Effects of Non-Ionizing Radiation, Department of the Navy, (Aug. 1969)

1955. Non-ionizing radiation biomedical development project 43-XX, Development Plan (DP), Bureau of Medicine & Surgery, Dept. of the Navy, (For Official Use Only), (April 1970)

1956. "Microwave ovens can cook your goose", Prevention: The Magazine for Better Health 22(11):113-124, (Nov. 1970)

1957. "Voltage and violets for the insane", The World's Most Socialized Medicine (USSR), Life (Magazine) 68(2):42-43, (23 Jan. 1970)

1958. "Study shows microwaves can produce cataracts", Industrial Research, p. 26 only, (Feb. 1971)

1959. "Survey of selected industrial applications of microwave energy", Bureau of Radiological Health, Division of Electronic Products; U. S. Department of Health, Education, and Welfare, Public Health Service Publication No. BRH/DEP 70-10, 67 pages, (limited distribution), (May 1970)

1960. "Electronic product radiation and the health physicist", Proc. of the 4th Annual Midyear Topical Symposium of the Health Physics Society, cosponsored by the Health Physics Society and the Bureau of Radiological Health, U. S. Department of Health, Education, and Welfare, Public Health Service, Bureau of Radiological Health Publication No. BRH/DEP 70-26, (Limited distribution), 464 pages, (Oct. 1970)

1961. "Safety procedures for RF and microwaves (equipment)", Abstr. from Electrical Safety Guide/"Crossfeed", of Stanford Univ., In: Naval Aviation Safety Newsletter, Dept. of the Navy, NAVEXOS P-35, (7), p. 2 only, (1970)

1962. "Radarange (R) Microwave Oven Radiation Standards, Testing and Quality Control", Prepared for the 4th Annual Midyear Symposium of the Health Physics Soc., (Louisville, Ky., Jan. 1970), by Amana Refrigeration, Inc.

1963. "Microwave cooker hazards", New Scientist 45(688):293 only, (19 Feb. 1970)

1964. "National Electrical Safety Code", National Bureau of Standards Handbook H-30

1965. "Shortwave diathermy unit instruction book", Model M.F.-49,(27.120 MHz), The Burdick Corp., Milton, Wisc.

1966. "RADHAZ Instrumentation", (RF radiation hazard), General Electric, Light Military Electronics Department, Utica, N. Y.

Addenda follows

1967. ANDRAS, J. (1958) Sdelovaci technika 6(9):331-334, (In Czech.),"Problems of/interference from industrial equipment"

1968. ARONOVA, S. B. (1961) Voprosy Kurortologii, Fizioterapii i Lechebnoy Fizicheskoy Kul'tury (Problems in Health Resort Sci., Physiotherapy & Medical Physical Culture), Moscow, 3:243-246, (In Russian),"On the problem of the mechanism of the action of a pulsed UHF field on arterial pressure"

1969. AUERSWALD, W. (1952) Wien Z. Nervenheilkunde 4:273-281, (In German),"Temperature topographic studies of the problem of the effect of short waves passing through the midbrain"

1970. AYRES, F. W., & McILWAIN, H. (1953) Biochem. J. 55:607-617, "Techniques in tissue metabolism: 2. Application of electrical impulses to separated tissues in aqueous media"

1971. BASSET, C., & ANDREW, L. (1965) Scientific American 213(4):18-25, "Electrical effects in bone"

1972. BENETATO, G., & DUMITRESKU-PAPACHADZHI, E. (1964) Rev. roumaine fiziol. 1:125-133, (In Russian),"Changes in the fibrinolytic activity of blood plasma under the influence of UHF radiation in the hypothalamic region in various age groups"

1973. BILITCH, M., LAU, F. Y. K., & COSBY, R. S. (1967) Circulation 36(Suppl. 2):68-, "Demand pacemaker inhibition by radiofrequency"

1974. BOOTH, L. F. (1970) Naval Research Laboratory (NRL) Memo. Rept. 2178, "Review of microwave safety"

1975. BOTANI, B., FRANCIOSI, A., & LORENZINI, R. (1953) Boll. soc. med. chir. Modena 53:11-14, "Biochemical effects of adrenal short-wave therapy of patients with bronchial asthma"

1976. BOURGEOIS, A. E., JR. (1967) Ph.D. Thesis, Baylor Univ., (N68-23132), (University Microfilms, Order No. 67-2927), "The Effect of Microwave Exposure upon the Auditory Threshold of Humans"

1977. BRATKOVSKIY, R. E. (1938) Fizioterapiya 3:53-58, (In Russian) "On the effect of a UHF electrical field on the oxidation processes of nitrogen exchanges in man"

1978. BRAUER, I. (1950) Chromosoma 3:483-509, (In German), "Experimental studies on the effect of meter waves of various field intensities on the growth of plants by division"

1979. BRAUN, H., & THOM, G. (1956) Strahlentherapie 99:617-623, (In German) "Microwave studies on experimental animals"

1980. BURCHELL, H. B. (1961) Circulation 24:161-, "Hidden hazards of cardiac pacemakers"

1981. CARPENTER, R. L., (Chm.), (1971) "Microwave" Session of the Internat. Conf. on Non-Ionizing Radiation Safety, sponsored by Medical Center of Univ. of Cincinnati, 29-31 Mar.

1982. COCOZZA, G., BLASIO, A., & NUNZIATA, B., (1960) Pediatria rivista d'igiene med. e chir. dell'infanzia 68(1):7-23, (In Italian) "Remarks on short-wave embryopathy"

1983. COMPERE, A. (1935) C. r. seances soc. biol. filiales associees 120:237-240, (In French) "Changes in blood composition during short-wave treatment"

1984. CZERSKI, P., HORNOWSKI, J., & SZEWCZYKOWSKI, J. (1964) Med. pracy 15:251-253, (In Polish) "A case of microwave disease"

1985. DANILEVSKIY, B., & VOROBEV, A. (1935) Pflugers Arch. Ges. Physiol. 236:440-451, (In German) "On the long-range effect of electrical high-frequency currents on the nerves"

1986. DONETSKAYA, O. L. (1959) Gigiyena i sanitariya _(9):29-35, (In Russian) "Use of ultrasound and high-frequency currents to counteract the carcinogenic effect of shale chamber tar"

1987. DUVALL, E. (1971) Mead (Data) Central, Inc., (1254 Jefferson Davis Highway, Arlington, Va., 22202), "Computer storage of selected articles on the biological effects of electromagnetic radiation"

1988. FEIN, R. L. (1967) J. of the Amer. Medical Assoc. 202:101-103, "Transurethral electrocautery procedures in patients with cardiac pacemakers"

1989. FRANKE, V. A. (1960) In: Collection of Scientific Papers of the VCSPS Institutes of Industrial Safety, Leningrad, 3:36-45, (In Russian) "Calculation of the absorption of energy from an electromagnetic field by means of semiconductor models resembling the human body"

1990. FRANKE, V. A. (1961) In: High-Frequency Electrothermal Apparatus, Leningrad, pp. 138-144, (In Russian) "Problems of safety when working with RF and UHF installations in industry"

1991. FREY, A. H. (1971) IEEE Trans. on Microwave Theory and Techniques (Special Issue on Biological Effects of Microwaves) MTT-19(2):153-164, "Biological function as influenced by low-power modulated RF energy"

1992. GRISHCHINA, K. F. (1958) Biofizika 3:358-362, (In Russian) "Significance of certain methodological conditions in a reaction to the local action of centimeter waves"

1993. GRUSZECKI, L. (1964) Przeglad lekarski, Cracow, 20:336-338, "Influence of microwaves radiated by a radar transmitter on the human and animal organism" (In Polish)

1994. GRZESIK, J., KUMASZKA, F., & PARADOWSKI, Z. (1960) Med. pracy 11:323-330, (In Polish) "Influence of a medium-frequency electromagnetic field on organ parenchyma and blood proteins in white mice"

1995. HARMSEN, H. (1953) Arch. physik. Therap. 5:331-335, (In German), "The lethal effect of meter waves on insects"

1996. HARMSEN, H. (1954) Arch. Hyg. 138:278, (In German) "On the biological effect of ultra-short waves of low field strength on rats"

1997. HARVEY, A. F. (1960) Proc. of the Inst. of Electrical Engineers 107:557-566, "Industrial, biological, and medical aspects of microwave radiation"

1998. HASCHE, E. (1940) Naturwissenschaften 8:613, "The action of short waves on tissue"

1999. HASIK, J., & MIKOLAJCZYK, Z. (1960) Polski Tygodnik Lekarski 15:817-820, (In Polish), "Retention of sugar, cholesterol, and lipids in the blood of diabetics under the influence of short waves"

2000. HIGASHI, K. (1948) Science (Japan) 18:467-468, "Denaturation of protein by ultra-short waves"

2001. HILDEBRANDT, F. (1941) Arch. exp. path. Pharmak. 197:148-160, (In German), "Histamine in the blood and tissue under the influence of short waves, diathermy, and fango mud packs"

2002. HINES, H. M., & RANDALL, J. E. (1952) Electronic Engineering 71:879-881, "Possible industrial hazards in the use of microwave radiation"

2003. HIRSCH, F. G., & PARKER, J. T. (1952) AMA Arch. of Industr. Health 6(6):512-517, "Bilateral lenticular opacities occurring in a technician operating a microwave generator" (Abstr. in: Ophth. Lit. 6(7):913 (Mar. 1954))

2004. HODUCH, S., BARANSKI, S., & CZERSKI, P. (1960) Acta physiol. pol. 11:717-719, "Effect of microwave radiations on the human organism"

2005. HUBNER, R. (1961) Elektromedizin 6:193-209, (In German) "The biological effect of microwaves"

2006. HUBNER, R. (1962) Schweizer Maschinenmarkt 62:39-42, (In German) "The effect of powerful radar beams"

2007. JASKI, T. (1961) Electronics World 65(6):31-37 and 79, "Detecting microwave radiation hazards"

2008. KAPLAN, I. T., METLAY, W., ZARET, M. M., BIRENBAUM, L., & ROSENTHAL, S. W. (1971) IEEE Trans. on Microwave Theory and Techniques (Special Issue on Biological Effects of Microwaves) MTT-19(2):168-173, "Absence of heart-rate effects in rabbits during low-level microwave irradiation"

2009. KARBASHEV, V. L. (1957) Voprosy Kurortologii, Fizioterapii i Lechebnoy Fizicheskoy Kul'tury (Problems in Health Resort Sci., Physiotherapy & Medical Physical Culture), Moscow, 22:37-41, (In Russian) "The effect of a pulsed ultrahigh-frequency electrical field on processes of biological oxidation under conditions of normal and experimental hypertonicity"

2010. KHOLODOV, YU. A. (1966) In: Problems of Space Medicine, Moscow, pp. 378-379, (ATD Rept. 66-116), "The biological effect of magnetic fields"

2011. KNUDSON, A., & SCHAIBLE, P. F. (1931) Arch. of Path. 11:728-743, "Physiological and biochemical changes resulting from exposure to an ultrahigh-frequency field"

2012. KOHLER, F. P., & MACKINNEY, C. C. (1965) J. of the Amer. Medical Assoc. 193:855-, "Cardiac pacemakers in electrosurgery"

2013. KRAFT, D., EMMRICH, K., GUNTHER, K., et al. (1967) Zentralbl. Chir. 92:Suppl:1799-, (In German) "Studies on the physical influences on implanted pacemakers"

2014. KRATZING, C. C. (1951) Biochem. J. 50:253-257, "Metabolic effects of electrical stimulation of mammalian tissues in vitro"

2015. KULIKOVSKAYA, E. L., & OSIPOV, J. A. (1960) Gigiyena truda 6:3-7, (In Russian) "Electromagnetic fields in work areas where high-frequency heating is employed"

2016. LEPESCHKIN, W. W. (1948) Biochem. Z. 318:15-43, (In German) "Electrical short waves and serum proteins"

2017. LI, T-C. (1961) Chinese J. of Surgery (11):783-784, (JPRS 44,037), "Study on treatment of abscess and cellulitis with ultra short waves"

2018. LICHTLEN, P. (1966) Schweiz Med Wochenschr 96:867-, "Disturbances of cardiac pacemaker by radio frequency currents"

2019. McAFEE, R. D. (1971) IEEE Trans. on Microwave Theory and Techniques (Special Issue on Biological Effects of Microwaves) MTT-19(2):251-252, "Analeptic effect of microwave irradiation on experimental animals"

2020. MALYSHEV, V. M., & KOLESNIK, F. A. (1968) Izd-vo "Meditsina", Leningrad, Effects of SHF Electromagnetic Fields on Human Health

2021. MARHA, K. (1971) IEEE Trans. on Microwave Theory and Techniques (Special Issue on Biological Effects of Microwaves) MTT-19(2):165-168, "Microwave radiation safety standards in Eastern Europe"

2022. MILROY, W. C., & MICHAELSON, S. M. (1970) Health Physics 20:567-575, (Univ. of Rochester Rept. No. UR-49-1314), "Biological effects of microwave radiation"

2023. ROSENSTEIN, M., BRILL, W. A., & SHOWALTER, C. K. (1969) Report No. OCS 69-1, Bureau of Radiological Health, Department of Health, Education, and Welfare, Rockville, Md., "Radiation exposure overview - microwave ovens and the public"

2024. ROSENTHAL, S. W., (Chm.), (1971) "Biological Effects of Non-Ionizing Radiation", Session of the IEEE Internat. Convention and Exposition, N. Y., (22-25 Mar)

2025. SAMARAS, G. M., MUROFF, L. R., & ANDERSON, G. E. (1971) IEEE Trans. on Microwave Theory and Techniques (Special Issue on Biological Effects of Microwaves) MTT-19(2):245-247, "Prolongation of life during high-intensity microwave exposures"

2026. SCHWAN, H. P. (1971) IEEE Trans. on Microwave Theory and Techniques (Special Issue on Biological Effects of Microwaves) MTT-19(2):146-152, "Interaction of microwave and radio frequency radiation with biological systems"

2027. SCHWAN, H. P. (1971) Proceedings of the "Biological Effects of Non-Ionizing Radiation" Symposium, IEEE Internat. Convention & Exposition, N. Y., (Rosenthal, S. W., chm.), (22-25 Mar), "Biological effects of microwave radiation"

2028. SHAPIRO, A. R., LUTOMIRSKI, R. F., & YURA, H. T. (1971) IEEE Trans. on Microwave Theory and Techniques (Special Issue on Biological Effects of Microwaves MTT-19(2):187-196, "Induced fields and heating within a cranial structure irradiated by an electromagnetic plane wave"

2029. YAKIMENKO, D. I. (1961) Vest. derm. vener. 35:33-36, (In Russian) "Treatment of certain neurotrophic skin diseases with ultraviolet radiation and high-frequency currents in small doses"

2030. ZARET, M. M. (1971) Proceedings of the "Biological Effects of Non-Ionizing Radiation" Symposium, IEEE Internat. Convention and Exposition, N. Y., (Rosenthal, S. W., chm.), (22-25 Mar), "Clinical aspects of non-ionizing radiation"

Unsigned Reports and Articles: Addenda

2031. "Oven leakage of microwaves 'considerable'", U. S. Medicine 7(8):30 only, (Apr. 15, 1971)

2032. "Meter measures oven radiation", Microwaves _:18 only, (July 1971)

2033. "Heat (Diathermy) treatment may cause cataract", Science News Letter 98(19):368 only, (Nov. 7, 1970)

2034. "Deep heating is held a danger to athletes", Hospital Tribune _:20 only, (Feb. 8, 1971)

2035. "Non-thermal radiation effects investigated", Microwaves _:10 only, (Nov. 1970), (Report of discussions at 5th Internat. Symposium of the Internat. Microwave Power Institute (IMPI), Scheveningen, The Netherlands, 6-9 Oct. 1970)

2036. "Did secret beam produce rumors - or brain tumors?", Medical World News 12(5):19 only, (1971) [Rare type of brain tumor (astrocytoma) alleged to have been caused by microwave radiation]

2037. "Plane signals all in lady's head", Washington Star, (22 April 1971)

2038. "Microwave ovens", Look Magazine 35(4):18 only, (Feb. 23, 1971)

2039. "Microwave (food) sterilization", Washington Science Trends _, (12 Apr. 1971). (Studies reported by E. M. Kenyon, U. S. Army Natick Laboratories, Natick, Mass. Available as Rept. AD 715-853, from NTIS, U. S. Department of Commerce, Springfield, Va. 22151)

2040. "Army developing radar for possible anti-riot weapon", Microwaves 10(4):18 only, (Apr. 1971)

2041. "Radar plane crews may have eye damage", Microwaves 10(4):9 only, (Apr. 1971)

2042. "Electromagnetic radiation experts study heart pacemakers", Study by Soc. of Automotive Engineers, Ref?

2043. "Radiation leakage, ovens", Washington Post, p. H2, (8 Aug. 1971)

2044. "Radiation rumor may be probed", Electronics 44(16):17 only, (2 Aug. 1971) [Rare type of brain tumor (astrocytoma) alleged to have been caused by microwave radiation]

2045. "Plans developing for national study of broadcasting 'hazards'", Washington Science Trends XXVI(14):79-80, (12 July 1971)

2046. "Malfunction of heart pacemakers", U. S. Navy Medicine 56:25 only, (Nov. 1970)

2047. "Microwave cataract case re-opens controversy", Washington Science Trends XXV(5):25-27, (9 Nov. 1970)

2048. "Microwave conference", Proc. of the European Microwave Conf. held in London Sept. 1969, 570 pages. (1969 European Microwave Conf., IEE Conf. Publication 58, Dept. S 100, Institute of Electrical Engineers, Savoy Place, London WC2R OBL, England)

2049. "Microwave tests kill monkeys", The Washington Post, p. D27, (Column by Jack Anderson), (31 July 1971)

2050. "(RF) Glow discharge lessens wool's shrinkage", Chem. & Engineering News _:28 only, (3 May 1971)

2051. "A low field electron spin resonance study of the effect of radiation in living animals", Final report on Project No. 05-1927-01, Contract No. DA-49-146-XZ-560, Defense Atomic Support Agency, Wash., D. C., DASA-1952, (AD 816130), (June 1967)

2052. "Electromagnetic waves speed up potato growth rate", Glos Wybrzeza, (Rumania), _:4-, (29 May 1966)

2053. "Electronic device for treating nervous system diseases", Nedelya, (Bulgaria), _(7):8-, (5 Feb. 1967)

2054. Proceedings of the Department of Defense Electromagnetic/Research Workshop, Sponsored by the Bureau of Medicine & Surgery, Dept. of the Navy, Washington, D. C., 27-28 Jan. 1971. Contents:

MITCHELL, J. C., & GASS, A. B., pp. 1-14, "Hematological and biochemical results from RF exposures at 10.5, 19.3, and 16.6 MHz"

FRAZER, J. W., pp. 15-32, "Empirical data on energy transfer models and application to primates"

PRINCE, J. E., pp. 33-49, "A possible cytologic aspect on RF radiation in subhuman primates"

GREENE, F. M., pp. 50-79, "Design and calibration of E and H field probes for HF band application"

BEISCHER, D. E., & RENO, V. R., pp. 80-96, "Naval Aerospace Medical Research Laboratory microwave facility"

BEISCHER, D. E., & GRISSETT, J. D., pp. 97-114, "Extremely low frequency radiation and man"

FRAZER, J. W., pp. 115-132, "Use of temperature sensor implants and radiometric technique to monitor animal temperatures in RF fields"

MITCHELL, J. C., pp. 133-138, "Modified exposure system for HF band RF radiation studies"

GASS, A. E., JR., pp. 139-146, "Preliminary study of 26.6 MHz radiation on the growth rate of young mice"

MICKEY, G. H., pp. 147-164, "Genetic damage to cells and organisms exposed to RF irradiation"

McLEES, B. D., & FINCH, E. D., pp. 165-174, "The effect of radio frequency irradiation on biologically important macromolecules"

McLEES, B. D., & FINCH, E. D., pp. 175-206, "The effects of radio frequency radiation on regenerating hepatic tissue"

FINCH, E. D., pp. 207-235, "Experimental protocol for the irradiation of biological systems with radio frequency electromagnetic energy" and "An alternative to dielectric absorption: pulsed NMR determinations of the structure of 'bound' water and its interaction with radio frequency electromagnetic radiation"

FINCH, E. D., HARMON, J. F., & MULLER, B. H., pp. 236-242, "Self-diffusion of water in tissue"

GLASER, Z. R., pp. 243-254, "Biological studies at microwave frequencies"

SILVERMAN, C., pp. 255-267, "Followup study of radar workers"

SCHWAN, H. P., & KRITIKOS, H. N., pp. 268-287, "Current microwave studies"

STRAUB, K. D., pp. 288-300, "Preliminary results of non-ionizing radiation effects research"

HUNT, E. L., & PHILLIPS, R. D., pp. 301-327, "Effects of microwave radiation on physiological behavioral factors and CNS excitability in laboratory animals"

SHARP, J. C., pp. 328-334, "Thymidine gas H^3 uptake following low level microwave exposure"

JUSTESEN, D. F., pp. 335-349, "Behavioral sensitivity to microwave irradiation"

BRIZZEE, K. R., JUSTESEN, D. R., KRIEGEL, H., & SHARP, J. C., pp. 350-352, "Cytokinetic effects of microwave irradiation"

BRIZZEE, K. R., JUSTESEN, D. R., & KING, N. W., pp. 353-364, "Microwaves and density of brain cells"

DuVALL, E., pp. 365-370, "Status of world literature base"

5 October 1971
(Revised 15 April 1972)*
(CITATIONS #2055 through #2072)

FIRST SUPPLEMENTARY LISTING*

to

Bibliography of Reported Biological Phenomena ('Effects') and Clinical Manifestations Attributed to Microwave and Radio-Frequency Radiation; Naval Medical Research Institute Research Report No. 2 on Project MF12.524.015-0004B, dated 4 October 1971, by Zorach R. Glaser. (AD #734391)

2070. BEYER, E. O., & PAY, T. L. (1970) In: Radiation Bio-Effects Summary Report, Hodge, D. M., (ed.), Jan-Dec 1969, Div. of Biological Effects, Bur. Rad. Health, DHEW, (Rept. No. DBE 70-1), pp. 188-189, "Genetics of Drosophila melanogaster exposed to 2450 MHz microwave radiation"

2055. CONLEY, C. C. (1969) In: Biological Effects of Magnetic Fields, Vol. 2, pp. 29-51, Plenum Press, "Effects of near-zero magnetic fields upon biological systems"

2056. HARDEMAN, L. J. (ed.) (1971) Microwaves 10(8):9-12, (Aug.), "Microwave imaging helps FAA foil hijackers"

2064. HERRERO, S. (1969) Amer. J. of Physiol. 217:403-410, "Radio-frequency-current and direct-current lesions in the ventro-medial hypothalamus"

2065. HOLM, D. A., & SCHNEIDER, L. K. (1970) Experientia 26:992-994, "The effects of non-thermal radio frequency radiation on human lymphocytes in vitro"

2066. JOLLES, B., & HARRISON, R. (1970) Strahlentherapie 139:716-723, "Studies of the influence of wavelength on biological effects. Time and dose differentials at radiation action sites in the skin"

2069. McLAUGHLIN, J. R. (1962) Western Medicine 3:126-132, (April), "Health hazards from microwave radiation"

2068. MACCIOLI, J. T. (1971) Bioenvironmental Safety Newsletter, pp. 3-5, (4th Quarter), "RF health hazards and monitoring meters -- Recent Notes"

2057. MICHAELSON, S. M., & DODGE, C. H. (1971) Health Physics 21:108-111, "Soviet views on the biological effects of microwaves -- An analysis"

2072. MIRO, L., DELTOUR, G., PFISTER, A., & KAISER, R. (1970) Revue de Medecine Aeronautique et Spatiale, No. 33, pp. 7-8 (in French), "Difficulties involved in describing the dangerous zones for personnel working near radar antennas"

2058. MUMFORD, W. W. (1971) Presentation at Meeting of N. Y. Acad. of Sci., 6 Oct., "Radio-frequency radiation hazards"

2067. OLIVER, R. (1970) Phys. Med. Biol. 15:217-, "Health physics in relation to the use of non-ionizing radiations"

2059. POWELL, C. H., & ROSE, V. E. (1970) Amer. Industrial Hygiene Assoc. J. 31:358-361 (May-June), "Health surveillance of microwave hazards"

2071. THOMAS, A., COUGET, P., & PAREILLEUX, A. (1970), French Patent No. 2,036,491, (No. 69.07475), "Procedure and techniques for destruction of micro-organizms in aqueous medium" [using low frequency (45 to 5000 Hz) alternating electromagnetic currents]

2060. WEBB, S. J., & BOOTH, A. D. (1971) Science 174(4004):72-74, (1 Oct.), "Microwave absorption by normal and tumor cells"

2061. "And now, microwave pollution -- An expose of the damage wrought to humans by radar, electronic ovens, and TV transmission," In: Moneysworth Magazine (In: Issue to be published, Fall 1971), (110 West 40th Street, New York, N. Y. 10018)

2062. "Biological Effects of Electromagnetic Radiation - A Bibliography," Behavioral Radiology Lab., Walter Reed Army Institute of Research, Wash., D. C., 250 pages, (1971) [by M. H. Grove]

2063. "Technical manual for radio-frequency radiation hazards," especially Appendix A, entitled, "Biological effects of rf radiation;" First Revision of NAVSHIPS 0900-005-8000 Manual (Ref #1939, this bibliography), Dept. of the Navy, Naval Ship Engineering Center (July 1971)

*Note: Items in this list have been alphabetized but the original numbering has been retained.

APPENDIX A

ACCESSION NUMBERS

Prefix of Report Number	Agency Assigning Number
AD-	Defense Documentation Center (DDC), formerly Armed Services Technical Information Agency (ASTIA)
JPRS-	Joint Publications Research Service
LC-ATD-	Library of Congress - Aerospace Technology Division
PB-	National Technical Information Service (NTIS), U. S. Dept. of Commerce
RADC-TR-	Rome Air Development Center, Griffiss Air Force Base, N. Y.
OTS-	Office of Technical Services, U. S. Dept. of Commerce
DA-	Department of the Army
SC-	Sandia Laboratory, Albuquerque, New Mexico
ACSI-	Assistant Chief of Staff for Intelligence (Army, Washington, D. C.)
CR-	National Aeronautics and Space Administration
N-	Scientific & Technical Aerospace Reports (STAR) of NASA
A-	International Aerospace Abstracts of Amer. Inst. of Aeronautics & Astronautics
X-	Classified NASA document (avail. from NASA Sci. & Tech. Info. Facility, P. O. Box 33, College Park, Md., 20740)
NLL-	National Lending Library for Science & Technology, Boston Spa, England

SECOND SUPPLEMENTARY LISTING

to

Bibliography of Reported Biological Phenomena ("Effects"), and Clinical Manifestations Attributed to Microwave and Radio-Frequency Radiation; Naval Medical Research Institute Research Report No. 2 on Project MF12.524-0004B, dated 4 October 1971, by Zorach R. Glaser.

2073. BARANSKI, S. (1971) Aerospace Medicine 42(11):1196-1199, "Effect of chronic microwave irradiation on the blood forming system of Guinea pigs and rabbits"

2074. BOSISIO, R. G., & BARTHAKUR, N. (1969) J. of Microwave Power 4:190-, (Abstr. in: Non-ionizing Rad. 1(4):193 only, (1970)), "Microwave protection of plants"

2075. BOSISIO, R. G., BARTHAKUR, N., & SPOONER, J. (1970) J. of Microwave Power 5:47-53, (Abstr. in: Non-ionizing Rad. 1(4): 193 only, (1970)), "Microwave protection of a field crop against cold"

2076. BREYSSE, P. A. (1969) J. Microwave Power 4:25-29, (Abstr. in: Non-ionizing Rad. 1(2):102-103, (1969), Abstract #43), "Microwave uses on the Campus; a study of environmental hazards"

2077. CLEARY, S. F. (1970) Critical Reviews in Environmental Control 1 (Chemical Rubber Co.):257-306, (Abstr. in: Non-ionizing Rad. 1(4):194 only, (1970)), "Biological effects of microwave and radio frequency radiation"

2078. DAVIS, F. S., WAYLAND, J. R., & MERKLE, M. G. (1971) Science 173:535-537, (6 Aug.), "Ultrahigh-frequency electromagnetic fields for weed control: Phytotoxicity and selectivity"

2079. DOBREV, B., et al. (196?) Works of the Scientific Research Institute of Labour Protection and Occupational Diseases (Sofia, Bulgaria), 17:31-40, (Abstr. in: Non-ionizing Rad. 2(1):43 only, 1971)), "High frequency electromagnetic waves and (production of) ozones"

2080. HAMID, M. A. K., BOENER, W. M., & TONG, S. C. (1970) J. of Microwave Power 5:44-46, (Abstr. in: Non-ionizing Rad. 1(4): 193 only, (1970)), "Microwave irradiation of potato-waste water"

2081. HAMID, M. A. K., & BOULANGER, R. J. (1969) J. Microwave Power 4:11-18, (Abstr. in: Non-ionizing Rad. 1(2):102 only, (1969), Abstract #40), "New method for control of moisture and insect infestations of grain by microwave power"

2082. HEYDENREIGH, A. (196?) Arbeitsmedizin - Sozialmedizin - Arbeitshygiene, (Stuttgart), 4:280-284, (Abstr. in: Non-ionizing Rad. 2(1):44 only, (1971)), "Radiation-induced eye lesions"

2083. IIZUKA, K. (196?) Report (AD 667729) Avail. from DDC Clearing House, "Photographing microwave fields"

2084. JANES, D. E., LEACH, W. M., MILLS, W. A., MOORE, R. T., & SHORE, M. L. (1969) Non-ionizing Rad. 1(3):125-130, "Effects of 2450 MHz microwaves on protein synthesis and on chromosomes in Chinese hamsters"

2085. JOLY, R., et al. (196?) Revue des corps de sante des armees, (Paris), 10:235-259, (Abstr. in: Non-ionizing Rad. 2(1):43 only, (1971)), "Possible biological and physiopathological effects of v.h.f. electromagnetic radiations from radar aerials"

2086. McLEES, B. D., & FINCH, E. D. (1972) In: Advances in Biological and Medical Physics, 14, Academic Press, N. Y., "Analysis of the reported physiologic effects of microwave radiation"

2087. MAY, K. N. (1969) J. Microwave Power 4:54-59, (Abstr. in: Non-ionizing Rad. 1(3):151 only, (1969), Abstract #67), Applications of microwave energy in preparation of poultry convenience foods"

2088. MICHAELSON, S. M. (1970) Non-ionizing Rad. 1(4):169-176, "Pathophysiological aspects of microwave irradiation, Part 1 - Thermal effects"; Part 2, ibid. (1971) 2(1):27-38, "Critical analysis of the literature"

2089. PAZDEROVA, J. (1968) Pracovni Lek. 20:10-, "Effects of electromagnetic radiation of the order of centimeter and meter waves on human's health"

2090. PLHAK, M., SERVUS, V., & SCHUBERTOVA. J. (196?) Vojenske zdravotnicke listy (Prague), 38(1):7-9, (Abstr. in: Non-ionizing Rad. 1(4):194 only, (1970)), "Hazards associated with microwaves, and preventive examinations of radar specialists"

2091. PLISCHKE, E. W., & WOLFF, W. F. (196?) J. of the American Soc. of Safety Engineers 14(6):12-15, (Abstr. in: Non-ionizing Rad. 2(1):43 only, (1971)), "Tuned in or turned on -- r.f. radiation study"

2092. ROGERS, S. J., & KING, R. S. (1970) Non-ionizing Rad. 1(4):178-189, "Radio hazards in the m.f./h.f. band"

2093. ROSE, V. E., GELLIN, G. A., POWELL, C. H., & BOURNE, H. G. (1969) Amer. Industrial Hygiene Assoc. J. 30:137-, "Evaluation and control of exposures in repairing microwave ovens"

2094. SKLENSKY, B., NEDBAL, J., & ZAKOVA, L. (196?) Pracovni lekarstvi 20:363-366, (Abstr. in: Non-ionizing Rad. 1(3)152-153, (1969)), (Also CIS abstract 562-1969), "State of health of workers exposed to radiofrequency radiation in industrial establishments at Brno"

2095. TAKAHASHI, K., VASISHTH, R. C., & COTE, W. A. (1969) J. Microwave Power 4:64-67, (Abstr. in: Non-ionizing Rad. 1(3):151 only, (1969), Abstract #69), "Uniform polymer distribution in paper saturated with polymer solutions via microwave power"

2096. TERRILL, J. G. (1970) Archives of Environmental Health 19:265-271, (Abstr. in: Non-ionizing Rad. 1(4):195 only, (1970)), "Microwaves, lasers and X-rays -- adverse reactions due to occupational exposures"

2097. URBAIN, W. M. (1969) J. Microwave Power 4:59-61, (Abstr. in: Non-ionizing Rad. 1(3):151 only, (1969), Abstract #68), "Some thoughts on the problems of microwave heating and food processing"

2098. "Non-ionizing radiation - an introduction", Non-ionizing Rad. 1(1):5-6, (1969)

2099. "Biological injuries and effects", Rept., Bur. of Rad. Health/DEP 70-3, Dept. of Health, Education and Welfare, (Abstr. in: Non-ionizing Rad. 2(1):41 only, (1971))

2100. "Consumer hazards: Why they happen and how they can be fixed", Electronics, 3 August 1970, pp. 54-67, (Abstr. in: Non-ionizing Rad. 2(1):44 only, (1971))

2101. "Microwave Oven Safety", in: Hospital Administration Notes, No. 41, Bureau of Medicine & Surgery, Department of the Navy, p. 7 only, Oct. 1971.

THIRD SUPPLEMENTARY LISTING

to

Bibliography of Reported Biological Phenomena ('Effects') and Clinical Manifestations Attributed to Microwave and Radio-Frequency Radiation; Naval Medical Research Institute Research Report No. 2 on Project MF12.524.015-0004B, dated 4 October 1971, by Zorach R. Glaser. (AD #734391)

2102. ALLIS, J. W., & JANES, D. E. (1970) In: Radiation Bio-Effects Summary Report, Hodge, D. M., (ed.), for Jan-Dec 1970, Div. of Biological Effects, Bur. Rad. Health, DHEW, (Rept. No. BRH/DBE 70-7), pp. 131-136, "Ultraviolet spectral changes in bovine serum albumin after irradiation with microwaves at 2.45 GHz"

2103. BAERWALD, H. R. (1970) Wehrmedizinische Monatsschrift 14:249-257 (In German), (Abstr. #A71-12845), "Effects, precautionary measures, and medico-military aspects involved in handling microwaves"

2104. BAKER, K. F., & FULLER, W. H. (1965) Unpub. data cited in: OLSEN, C. M., DRAKE, C. L., & BUNCH, S. L., J. of Microwave Power 1:45-56, "Some biological effects of microwave energy"

2105. BALDWIN, M. T., & EDWARDS, W. P. (1970) In: Radiation Bio-Effects Summary Report, Hodge, D. M., (ed.), Jan-Dec 1969, Div. of Biological Effects, Bur. Rad. Health, DHEW (Rept. No. DBE 70-1), pp. 83-94, "Cerebral effects of radio frequency energy"

2106. BARTSEVICH, B. N., ILIN, A. V., KRIVENKO, V. N., ROGUSSKII, S. S., & ULITSKII, L. A. (1970) Voenno-Meditsinskii Zhurnal __:39-41 (In Russ.), (Abstr. #A70-20489), "Results of dynamic observation of persons working in the region of influence of a microwave field" [Study of behavior and blood chemistry (including proteins)]

2107. BEHLING, U. H. (1969) Report (7 pages), U.S. Dept. Health, Education, & Welfare, Public Health Service, Consumer Protection & Environ. Health Service, Environ. Control Admin., Bur. of Rad. Health, "Biological effects of radio- and low-frequency electromagnetic radiation" (Preliminary Draft)

2108. BELOVA, S. E. (1962) In: The Effects of Radar on the Human Body (Results of Russian Studies on the Subject), Turner, J. J., (ed.), pp. 43-48, (AD #278172), "The effects of microwave irradiation on the eye"

2109. BEREZINSKAJA, D. I. (1940) Vestn. Oftal. 16:466-470 (In Russ.), (Abstr. in: Zentralbl. f.d. ges. Ophth. 47(1):21 (Sept 16, 1941)), "The effects of diathermy on the anterior part of the eye"

2110. BEUCHAT, L. R., FOX, K. I., LECHOWICH, R. V., & WEBSTER, F. H. (1969), (Abstr. #A69-80724), "Procedure for evaluating the effects of 2,450 MHz microwaves upon Streptococcus faecalis and Saccharomyces cerevisiae"

2111. BEYER, E. C., PAY, T. L., & IRWIN, E. T., Jr. (1970) In: Radiation Bio-Effects Summary Report, Hodge, D. M., (ed.), for Jan-Dec 1970, Div. of Biological Effects, Bur. Rad. Health, DHEW, (Rept. No. BRH/DBE 70-7), pp. 248-250, "Developmental and genetic testing of Drosophila with 2,450 MHz microwave radiation"

2112. BIELICKI, Z., BARANSKI, S. CZERSKI, P., & HADUCH, S. (1963) Rev. Med. Aero. (Paris) 2:106-107 (Feb-Mar), (In Fr.), "Analysis of difficulties of occupational activity in personnel exposed to micrometric wave irradiation"

2113. BIRENBAUM, L., KAPLAN, I. T., METLAY, W., ROSENTHAL, S. W., SCHMIDT, H., & ZARET, M. M. (1969) J. of Microwave Power 4:232-243, "Effect of microwaves on rabbit eye"

2114. BLAGODATIN, Ya. A. (1960) In: Sbornik Rabot Kliniki Glaznykh Boleznei, Gorkii, pp. 19-25, (In Russ.), (Abstr. in: Abstr. of Soviet Med. 5(5):745-746 (May, 1961)), "The effect of cyclodiathermy coagulation on the eye of rabbits"

2115. BOGGS, R. F., & SHEPPARD, A. P. (1971) Ph.D. Dissertation, Georgia Inst. of Technology, Atlanta, Dissertation Abstr. __:766B, (134 pages), "Determination of the effects of electromagnetic energies on the hematologic system"

2116. BOGGS, R. F., SHEPPARD, A. P., & CLARK, A. J. (1972) Health Physics 22(3):217-224, "Effects of 2450 MHz microwave radiation on human blood coagulation processes"

2117. BOUCHAT, J., & MARSOL, C. (1967) Arch. Ophthalmol. (Paris) 27(6):593-596 (In Fr.), "Bilateral capsular cataracts from radar"

2118. BRECHER, S. (1970) In: Radiation Bio-Effects Summary Report, Hodge, D. M., (ed.), Jan-Dec 1969, Div. of Biological Effects, Bur. Rad. Health, DHEW, (Rept. No. DBE 70-1), pp. 176-177, "The reversal of mitotic effects of Colcemid in cultures of human peripheral lymphocytes"

2119. BRETZ, K., & KUZMANN, E. (1970) In: Proc. of Hungarian Acad. of Sci., & Sci. Soc. for Telecommunication, Colloq. on Microwave Communication, 4th, Budapest (Apr. 21-24, 1970), "Effect of microwave fields on biological structures" [Mossbauer spectrum of submolecular changes of oxy-hemoglobin in animal blood exposed to microwave irradiation]

2120. BROWN, P. E. (1965) Brit. Comm. & Electronics 12:20-23, (Abstr. #A65-14639), "Measuring intense RF radiation" [including radiation effects on humans]

2121. BUCHMAN, M. F. (1971) Pennsylvania Triangle (A Univ. of Penna. Undergraduate Publication 59(2):6-9 (Nov), "Electromagnetic response in bone"

2122. BUDD, R. A., LASKEY, J., & KELLY, C. (1970), In: Radiation Bio-Effects Summary Report, Hodge, D. M., (ed.), for Jan-Dec 1970, Div. of Biological Effects, Bur. Rad. Health, DHEW, (Rept. No. BRH/DBE 70-7), pp. 161-163, "Hematological response of fetal rats following 2450 MHz microwave irradiation;" and (with HOWES, M.) pp. 164-166, "Kinetics of mouse hematopoietic colony-forming units following injury by 2450 MHz microwave irradiation"

2123. BURMEISTER, H. (1956) Klin. Mbl. Augenh. 129(3):336-342, (In Ger.), (Abstr. in: Zentralbl. f. d. ges. ophth. 71(2):115 (July 1957)), "Results of irradiating the eyes with microwaves"

2124. BURNER, A. M. (1969), IEEE Internat. Conf. on Communication, Vol. 69C29-COM, (June 9-11), pp. 32-1 through 32-6, "Biologic effects of radio and microwaves: present knowledge; future directions"

2125. BYCHKOV, M. S. (1961) Tr Lening Obshchestva Yestestvoispytateley 62(1):110-, "The effect of an SHF electrical field on strychnine poisoning in white mice"

2126. CALDWELL, J. C., CLARK, W. B., DOUGHERTY, J. D., & HOWE, W. M. (1965) Aerospace Medicine 36:466-471 (Rept. #A65-81073), Evaluation of an alleged case of radiation-induced cataract at a radar site"

2127. CARAMAZZA, F. (1932) Atti Cong. Soc. Oftal. Ital. 31:264-274 (In Ital.), (Abstr. in: Zentralbl. f. d. ges. Ophth. 31(2): 71-72 (1934)), "Experimental research on adhesive chorioretinitis due to diathermy coagulation of the diasclera"

2128. CARAMAZZA, F. (1933) Boll. Ocul. 12:1357-1426, (In Ital.), (Abstr. in: Zentralbl. f. d. ges. Ophth. 31(11):658 (1934)), "Adhesive chorioretinitis after diascleral and transcleral diathermocoagulation"

2129. CARLOTTI, M., ROLAND, J., & ROLAND, M. (1936) Rev. Oto-neuro-oftal. 14(4):260-268, (In Fr.), (Abstr. in: Zentralbl. f. d. ges. Ophth. 36(11/12):644 (1936)), "The effects of short waves of very high frequency on the superficial circulation of the ocular globe, the retina, and the optic nerve"

2130. CARLSON, N. L. (1967) Report (N67-25893, NASA-CR 83925, NSR-36008027), "Dielectric constant of vegetation at 8.5 GHz"

2131. CARROLL, D. E. & LOPEZ, A. (1969), J. of Food Science 34:320-324, "Lethality of radiofrequency energy upon microorganisms in liquid, buffered, and alcoholic food systems"

2132. CARSON, R. W., & INNIS, W. E. (1970) Naval Weapons Lab. (Dahlgren, Va.), Tech. Rept. TR-2481, "Electrical impedance of the human body for HF (2-30 MHz) band, (Initial results)"

2133. CEPERO-GARCIA, G., & COMAS-CESPEDES, L. (1933) Rev. Cubana Oto-neuro-oftal. 2:199-208 (July/Aug), (In Span.), (Abstr. in: Zentralbl. f. d. ges. Ophth. 30(9):488 (1934)), "The action of medical diathermy on the normal and pathologic eye"

2134. CHASON, L. R. (19??) Ph.D. Dissertation, Baylor University, "The effects of visible light and microwave radiation on endocrine organs in the rat"

2135. CHERNOVA, L. K. (1965) Electronic Treatment of Material (3):89-96, (N66-36597), "On the role of electrical and magnetic fields in the vital activities of biological systems"

2136. COGAN, D. G. (1958) In: Systemic Ophthalmology, Part VI, Chapt. 4, sec. IV, pp. 637-643 (Sorsby, A., ed.), 2nd edition, London: Butterworth & Co., Ltd., "Radiant energy" [Effects on eye of various forms of radiation; including r-f, microwaves, etc.]

2137. COGAN, D. G., DONALDSON, D. D., & REESE, A. B. (1952) AMA Arch. of Ophthalmol. 47:55-70, "Clinical and pathological characteristics of radiation cataract"

2138. COHEN, B. H., & LILIENFELD, A. M. (1970), Annals of the N. Y. Academy of Science 171, Art. 2:320-327, "The epidemiological study of mongolism in Baltimore"

2139. COHEN, L., & WOLICKI, E. A. (1971) Naval Research Laboratory Rept. #7306, 18 pp. (AD 887806L), "Nuclear resonance absorption as a diagnostic and investigative technique" [including a discussion of the interaction of short-wavelength electromagnetic radiation with matter]

2140. CORRADO, M. (1938) Ann. Ottalm. e Clin. Ocul. 66(10):721-739, (In Ital.), (Abstr. in: Zentralbl. f. d. ges. Ophth. 43(6): 349 (June 27, 1939)), "The effects of short-wave irradiation (short waves of 30 m and ultrashort waves of 6 m) on the circulation of the ocular fundus"

2141. DAINOTTO, F., et al. (1962) Policlinico 69:270-, (In Ital.), "Study of glycositic fractions in the skeletal muscle of experimental animals treated with microwaves"

2142. DAMELIN, J. (1971) Federal Communication Commiss. Rept. No. 7104, "VHF-UHF radiation hazards and safety guidelines"

2143. DANIELS, R. (1969) In: Frequency Technology 7(10):38-40, "Some side effects of EMC (electromagnetic compatibility)"

2144. DAVIE, S. J., ROMERO-SIERRA, C., TANNER, J. A., & VILLA, F. (1969) In: Proceedings, World Conf. on Bird Hazards to Aircraft, Nat. Res. Council, Queen's Univ. Kingston, Ontario, Can., pp. 215-221, (Abstr. #A70-35993), "Microwaves - a potential solution to the bird hazard problem in aviation"

2145. DOCHKIN, I. I. (1970) Voenno-Meditsinskii Zhurnal __:42-43, (In Russ.), (Abstr. #A71-20539), "Influence of a microwave field on the hemopoietic system"

2146. DUKE-ELDER, W. S. (1926) Lancet 1:1137-1140, 1188-1191, 1250-1254, "The pathological action of light upon the eye" [including very long wavelength "light"]

2147. DYACHENKO, N. A. (1970), Voenno-Meditsinskii Zhurnal __:35-37, (In Russ.), (Abstr. #A70-28358), "Effect of electromagnetic microwave radiation on the functional state of the myocardium" [human studies]

2148. DYACHENKO, N. A. (1970) Gigiyena Truda i Professional'nyye Zabolevaniya, Moscow, __(7):51-52, (In JPRS 51238, & N70-39486), "Change in thyroid function [using ^{131}I in humans] after chronic exposure to microwave irradiation"

2149. EAKIN, S. K., & THOMPSON, W. D. (1965) Psycholog. Rept. 17:595-602, "Behavioral effects of stimulation by UHF radio fields"

2150. EDMONDS, E., & HARTRANFT, J. (1971) Health Physics 21(3):457-461, "A survey of residential and commercial microwave ovens in Orange County, California"

2151. EINAUGLER, R. B., & KURZ, G. B. (1968), Amer. J. of Ophthalmology 66(5):866-869, (Abstr. #A69-80371), "Cataract secondary to microwave radiation"

2152. EINOLF, C. W. (1968), Ph.D. Disseration, U. of Rochester (Dissertation Abstr. 29(5):1568B (Nov)), "The low frequency dielectric dispersions of microorganisms"

2153. ELY, T. S. (1971) In Letters to the Editor section of J. Amer. Med. Assoc. 217(10):1394 only, "Microwave death" [quotes section of an Armed Forces Inst. of Pathology rept. which discounted a report (citation #953, this Biblio.) of a human death allegedly induced by radar]

2154. ENGLAND, T. (1949) Nature 163(4143):487-, "Dielectric properties of the human body in the microwave region of the spectrum"

2155. FABIAN, F. W., & GRAHM, H. T. (1933) J. of Infectious Diseases 55:76-88, "Influence of high-frequency displacement currents on bacteria"

2156. FANNEY, J. H., & POWELL, C. H. (1967) Amer. Industrial Hygiene Assoc. J. 28(4):335-342, "Field measurement of ultraviolet, infrared, and microwave energies"

2157. FISCHER, H., & MULLER, H. (1964) Truppenpraxis (Tactics, Technique, and Training for Officers of the Military), Rept. No. 10,pp. 757-758, (A65-80058), "Are radar waves dangerous to man?"

2158. FISHER. L. J. (& CARPENTER, R. L.), (1969) Ph.D. Dissertation, Tufts Univ. (University Microfilms, Inc., No. 70-18,002), "Peak versus average power in microwave induction of lenticular cataracts"

2159. FREY, A. H., & EICHERT, E. E., III (1971) Randomline, Inc., (Willow Grove, Pa.), Rept., 63 pages, "On the nature of electrosensing in the fish"

2160. FREY, J., & BOWERS, R. (1972) Spectrum, Inst. of Electrical & Electronics Engineers, Inc., 9(3):41-47, "What's ahead for microwaves" [including research on health hazards]

2161. FRIEND, A. W., JR. (1972) Naval Medical Res. Inst. (Bethesda, Md.), (Research Rept. No. 4 on Project MF12.524.015-0001B), "Low frequencies, motile cells, measurements, and models: Part I. The effects of low frequency electric fields on amoebae and their uses as tools for studying cellular structure"

2162. FUGITT, C. H. (1960) Office of Naval Research (London) Rept., 5 pages (AD #244867L), on the "Fourth Annual Tri-Service Conference on the Biological Effects of Microwave Radiation"

2163. GALANIN, N. F., POLYAK, B. L., VOLKOV, V. V., KRICHAGIN, V. I., & MEDVEDEV, V. I. (1956) Voennomed Zh. (9):25-32, "Work conditions for radar set operators and the possible preventive measures against general fatigue and eye fatigue"

2164. GELLIN, G. A. (1971) In the Questions & Answers section of J. Amer. Med. Assoc. 216(10):1651 only, "Effect of microwave oven on facial radiodermatitis"

2165. GLASER, Z. R., & HEIMER, G. M. (1972) Bioenvironmental Safety 4(1):10-15, (Jan), "Determination and elimination of hazardous microwave fields aboard Naval ships"

2166. GLOTOVA, K. V., & SADCHIKOVA, M. N. (1970) Gigiyena Truda i Professional'nyye Zabolevaniya, Moscow, (7):24-27, (In JPRS 51238, N70-39485), "Development and clinical course of cardiovascular changes after chronic exposure [of humans] to microwave irradiation"

2167. GOLDBLITH, S. A. (1966) Advances in Food Research 15:277-301, "Basic principles of microwaves and recent developments"

2168. GOLDBLITH, S. A. (1967) J. of the Amer. Dietet. Assoc. 51:233-237, "Possible applications to food of ionizing and nonionizing radiations"

2169. GORDON, S. A., & MILLER, J. S. (1962) Interim Report (NASA-R-46, N63-11540), "Growth and development of plants in compensated gravitational, magnetic, and electrical fields"

2170. GORDON, Z. V. (1970), In: Ergonomics & Physical Environmental Factors, (Vol. 21 of the Occupational Safety and Health Series), Internat. Labour Office, Geneva, pp. 159-172, (In Fr.), "Occupational health aspects of radio-frequency electromagnetic radiation"

2171. GORODETSKA, S. F., LISINA, G. G., & RAPOPORT, M. B. (1969), Fiziologichnii Zhurnal 15:805-811, (In Ukrain.), (Abstr. #A70-18730), "Hemopoietic condition due to the action of radio waves" [rabbits and mice]

2172. GRENELL, R. G., & McCULLOCH, D. (1967) (Abstr. #N67-26284), 25 pages, "Molecular binding in the cell surface; Progress report" [Spectral analyses of microwave absorption in protein solutions, water, and organic solvents by molecular bonding to cell surface]

2173. HAINES, G. F., JR., & HATCH, T. (1952) Heating and Ventilating, (November), pp.?, "Industrial heat exposures, evaluation and control"

2174. HAMER, J. R. (196?) Report: Space Biology Laboratory, Brain Research Institute, Univ. of Calif., Los Angeles, (N68-16115), (NASA CR or TMX C1-92700-04, AF496381387), "Effects of low level, low frequency electric fields on human reaction time"

2175. HAYASI, O. (1938) Acta Soc. Ophthalm. Jap. 42:1747-1758, (In Jap., with Ger. summary), (Abstr. in: Zentralbl. f. d. ges Ophth. 42(12):591 (Mar 21, 1939)), "Experimental investigation on the effect of ultrashort waves on the eye. Report I. Effect on the viscosity and the refractive index of the aqueous and the vitreous humor"

2176. HAYASI, O. (1939) Acta Soc. Ophthalm. Jap. 43(7):1727-1736, (In Jap. with Ger. summary on pp. 101-102), (Abstr. in: Zentralbl. f. d. ges. Ophth. 47(2):25 (Sept 30, 1941)), "Experimental investigation on the influence of ultrashort waves on the eye. Report II. The influence of the temperature on eye tissues"

2177. HEUBER, R. (1961) Electromed. 6:193-209, (Transl. as AD #467645-L), "The biological effects of microwaves"

2178. HINES, H., & RANDALL, E. (1952) Elect. Engineer. 71:879-881, "Possible industrial hazards in the use of microwave radiation"

2179. HIRSCH, F. G. (1970) Lovelace Foundation for Medical Education and Research, Albuquerque, N. M., 17 pages, "Microwave cataracts - A case report reevaluation"

2180. HODGE, D. M. (ed.) (1970) for Jan-Dec 1969, Div. of Biological Effects, Bur. Rad. Health, DHEW (Rept. No. DBE 70-1), (NTIS Rept. No. PB-190-110), 213 pages, Radiation Bio-Effects Summary Report

2181. HODGE, D. M. (ed.) (1970) for Jan-Dec 1970, Div. of Biological Effects, Bur. Rad. Health, DHEW (Rept. No. BRH/DBE 70-7), 267 pages, Radiation Bio-Effects Summary Report

2182. HOOD, O. C., KESHISHIAN, J. M., SMITH, N. P. D., PODOLAK, E., HOFFMAN, A. A., & BAKER, N. R. (1972) Aerospace Med. 43(3):314-322, "Anti-hijacking efforts and cardiac pacemakers - Report of a clinical study" [using an external electromagnetic field (at 239 MHz) from a weapons detector]

2183. HORNOWSKI, J., & MARKS, E. (1968) Neurological i neurochirurgia Polska 2:25-29, (In Pol.), (Abstr. #A68-81426), "Clinical observations concerning the effect of microwaves on the nervous system"

2184. HOUK, W. (1972) Presented at: Aerospace Medical Assoc., 43rd Ann. Meeting, 8-11 May, Bal Harbour, Fla., "Human responses to microwave irradiation - A review of and evaluation of published reports"

2185. HOWLAND, J. W., & MICHAELSON, S. M. (1966) Blood 28:157-162, (Abstr. #A66-82395), "Leukocyte response following simultaneous ionizing and microwave (radar) irradiation"

2186. HOWLAND, J. W., MICHAELSON, S. M., & THOMSON, R. A. E. (1965) Aerospace Medicine 36:1059-1064, "Comparative studies on 1285 and 2800 Mc/sec pulsed microwaves" [dogs]

2187. IKEDA, H. (1966) Nippon Acta Radiol. 26:284-288, (A67-81094), "Studies on biological effects of microwave radiation (second report). Investigation of shielding effect of concrete, Lauan, and glass against microwave radiation"

2188. INGLIS, L. P. (1969) In: Record, 11th Electromagnetic Compatibility Symposium, Inst. of Electrical and Electronics Engineers, Asbury Park, N. J., pp. 7-11, (Abstr. #A69-42216), "The compatibility of man in the microwave environment" [human responses; thermal & nonthermal effects, eye damage, & information storage]

2189. INGLIS, L. P. (1970) In: IEEE Record of Internat. Sympos. on Electromagnetic Compatibility, Anaheim, Calif., pp. 168-172, (Abstr. #A71-38442), "Why the double standard? - A critical review of Russian work on the hazards of microwave radiation"

2190. IRWIN, D. D., RUSH, S., EVERING, R., LEPESCHKIN, E., MONTGOMERY, D. B., & WEGGEL, R. J. (1970) IEEE Trans. on Magnetics, MAG-6(2):321-322, "Stimulation of cardiac muscle by a time-varying magnetic field"

2191. JACOBS, S. E., THORNLEY, M. J., & MAURICE, P. (1950) Proc. of the Soc. for Applied Bacteriology __(2):161-169, "The survival of bacteria in high-frequency electric fields"

2192. KADOUM, A. M., BALL, H. J., & NELSON, S. O. (1967) Ann. of the Entomol. Soc. of Amer. 60:889-892, "Morphological abnormalities resulting from radio-frequency treatment of larvae of Tenebrio molitor"

2193. KADOUM, A. M., BALL, H. J., & STETSON, L. E. (1967) Ann. of the Entomol. Soc. of Amer. 60:1195-1199, "Metabolism in the yellow mealworm, Tenebrio molitor (Coleoptera: Tenebrionidae), following exposure to radiofrequency electric fields"

2194. KADOUM, A. M., NELSON, S. O., & STETSON, L. E. (1967) Ann. of the Entomol. Soc. of Amer. 60:885-889, "Mortality and internal heating in radio-frequency-treated larvae of Tenebrio molitor"

2195. KAMAT, G. P. (1970) In: Radiation Bio-Effects Summary Report, Hodge, D. M., (ed.), Jan-Dec 1969, Div. of Biological Effects, Bur. Rad. Health, DHEW, (Rept. No. DBE 70-1), pp. 106-110, "Studies on the biological and physico-chemical properties of 2450 MHz microwave irradiated human immunoglobulin G (IgG)"

2196. KAMAT, G. P. (1970) In: Radiation Bio-Effects Summary Report, Hodge, D. M., (ed.) for Jan-Dec 1970, Div. of Biological Effects, Bur. Rad. Health, DHEW, (Rept. No. BRH/DBE 70-7), pp. 137-141, "Some preliminary observations on autoimmune response in rats exposed to 2450 MHz microwaves"; pp. 142-146, "Absence of immunoglobulin aggregates in human plasma warmed with 2450 MHz microwaves"; and (with LASKEY, J. W.) pp. 146-153, "Enzyme inactivation in vitro with 2450 MHz microwaves"

2197. KAMAT, G. P., & JANES, D. E. (1970) In: Radiation Bio-Effects Summary Report, Hodge, D. M., (ed.), Jan-Dec 1969, Div. of Biological Effects, Bur. Rad. Health, DHEW (Rept. No. DBE 70-1), pp. 95-105, "Studies on the effect of 2450 MHz microwaves on human immunoglobulin G"

2198. KIEWE, R. (1935) Klin. Mbl. Augenh. 95:108 (July/Dec), (In Ger.), (Abstr. in: Zentralbl. f. d. ges. Ophth. 35(3):127-128 (1936)), "Experimental investigations on the effects of short waves on the eye"

2199. KING, R. S., & ROGERS, S. J. (1970) Non-Ionizing Radiation 1(4):178-189, (Abstr. #A71-20580), "Radio hazards [to humans] in the V.F./U.F. band"

2200. KINN, J. B. (1970) In: Radiation Bio-Effects Summary Report, Hodge, D. M., (ed.), for Jan-Dec 1970, Div. of Biological Effects, Bur. Rad. Health, DHEW, (Rept. No. BRH/DBE 70-7), pp. 83-84, "Measurement of absorbed microwave energy in biologically equivalent phantom models"

2201. KNUTSON, T. (1969) Iowa Acad. of Sci. 76:510-516, "The effect of an electromagnetic field on early embryogenesis in quail"

2202. KONOVALENKO, V. A., & YAMSHANOV, V. A. (1971) Biophysica 16(2):265-269, (In Russ.), "Dielectric parameters of human blood serum in the range of 1-30 Mcyc/sec"

2203. KRITIKOS, H. N., & SCHWAN, H. P. (1972) Inst. of Electrical & Electronics Engineers, Trans. on Biomed. Eng. BME-19(1): 53-58, "Hot spots generated in conducting spheres by electromagnetic waves and biological implications"

2204. KURZ, C. H., & EINAUGLER, R. B. (1968) Amer. J. of Ophthal. 66:866-869, (A69-80371), "Cataract secondary to microwave radiation"

2205. LABES, M. M. (1970) Final Report on NASA Grant NGL 39-004-015, June 1967 - Sept. 1970, (N71-12313 to N71-12324), (CR-111582), 83 pages, Drexel Univ., Chemistry Dept., Philadelphia, Pa., "Mechanisms for the effect of electric and magnetic fields on biological systems" (collection of papers by LABES, et al.)

2206. LASKEY, J. (1970) In: Radiation Bio-Effects Summary Report, Hodge, D. M., (ed.), for Jan-Dec 1970, Div. of Biological Effects, Bur. Rad. Health, DHEW, (Rept. No. BRH/DBE 70-7), p. 167 only, "Lethal dose of 2450 MHz microwave irradiation at various power densities in the Sprague-Dawley rat (A preliminary report)"

2207. LASKEY, J., DAWES, D., & HOWES, M. (1970) In: Radiation Bio-Effects Summary Report, Hodge, D. M., (ed.), for Jan-Dec 1970, Div. of Biological Effects, Bur. Rad. Health, DHEW, (Rept. No. BRH/DBE 70-7), pp. 167-173, "Progress report on 2450 MHz irradiation of pregnant rats and the effect on the fetus"

2208. LATTES, R. G., & BRECHER, S. (1970) In: Radiation Bio-Effects Summary Report, Hodge, D. M., (ed.), for Jan-Dec 1970, Div. of Biological Effects, Bur. Rad. Health, DHEW, (Rept. No. BRH/DBE 70-7), pp. 229-232, "Microwave irradiation of peripheral leukocyte cultures without average temperature rise of culture medium"

2209. LAZARUS, H. D., & LEVEDAHL, B. H. (1962) U. S. Atomic Energy Commission, Rept. No. TID-3912 (Biol. & Med.), Esp. section 10. (Microwaves, pp. 431-451), Effects of Radiation on the Mammalian Eye: A Literature Survey

2210. LEYTES, F. L., & SKURIKHINA, L. A. (1961) Biull. Eksp. Biol. Med. 52(12):47-50, "The effect of microwaves on the hormonal activity of the adrenal cortex"

2211. LIBEZNI, P. (1936) Biology and Therapy, Moscow, "Short and ultrashort waves"

2212. v. LUGOSSY, G. (1942) Klin. Mbl. Augenh. 108:319-328 (May/June), (In Ger.), "Effect of diathermy on the eye"

2213. LUKOFF, L., & LOWERS, G. (1960) Klin. Mbl. Augenh. 137:232-238, (In Ger.), (Abstr. in: Zentralbl. f. d. ges. Ophth. 81(5):298 (Mar 1961)), "The sclera after non-perforating electro-coagulation"

2214. MacGREGOR, R. J. (1970), (Abstr. #N71-14482; AD 712694), "A brief survey of literature relating to the influence of low intensity microwaves on nervous function"

2215. MacGREGOR, R. J. (1970) The Rand Corp. Rept. P-4398, "A direct mechanism for the influence of microwave radiation on neuroelectric potentials"

2216. MAJEWSKA, K. (1968) Polish Medical J. VII:989-994, "Investigations on the effect of microwaves on the eye"

2217. MARGUTTI, V. M. (1972) J. of the Amer. Inst. of Homeopathy 65(1):7-20, ("to be cont'd in June '72 issue"), "The minima, man, and biomagnetism: Some contemporary concepts" ["interesting" (?) reading]

2218. MEZEROVA, V., & SYNEK, V. (1970) Pracovni lekarstvi 22(1):1-5, "Evaluation of important factors influencing EEG findings in persons with a long-term exposure to electromagnetic radiation in the meter wave band"

2219. MEZEROVA, V., SYNEK, V., & VOLAVKA, J. (1970) Pracovni lekarstvi 21(1):5-7, "The effect of the electromagnetic radiation in meter wave band on the EEG frequency spectrum of exposed persons"

2220. MICHAELSON, S. M. (1969) Presented at Ind. Neurol. Congr., Prague, (Abstr. #N70-12450), "Microwave standards - a comparative analysis" [between U. S. & Russia of quantification of biological responses]

2221. MICHAELSON, S. M. (1971?) American Industrial Hygiene Assoc. J. 32:338-345, "Biomedical aspects of microwave exposure"

2222. MICHAELSON, S. M., & SETH, H. S. (1965) J. of Occupational Medicine 7:439-442, (Abstr. #A65-82061), "Microwave cataractogenesis"

2223. MILROY, W. C. (1972) Presented at: Aerospace Medical Assoc., 43rd Ann. Meeting, 8-11 May, Bal Harbour, Fla., "Neuroendocrine effects of microwave radiation"

2224. MILROY, W. C., & MICHAELSON, S. M. (1972) Aerospace Med. 43(1):67-75, "Microwave cataractogenesis: A critical review of the literature"

2225. MILROY,, W. C., & MICHAELSON, S. M. (1972) Internat. J. of Environmental Studies (In Press, Spring 1972), "The microwave controversy"

2226. MILLS, L. F. (1970) In: Radiation Bio-Effects Summary Report, Hodge, D. M., (ed.), for Jan-Dec 1970, Div. of Biological Effects, Bur. Rad. Health, DHEW, (Rept. No. BRH/DBE 70-7), pp. 50-52, "Biological effects of diathermy"

2227. MILLS, L. F., & SEGAL, P. (1970) Div. of Biological Effects, Bur. Rad. Health, DHEW, (Rept. No. BRH/DBE 70-6), 55 pps., "Radiation incidents registry report 1970" [approx. 15% of the total number of incidents reported (133) involved microwave and/or radio frequency equipment]

2228. MINECKI, L. (1959) Medycyna Pracy 10(1):57-68, (In Pol.), "Hygienic importance of electrical currents of high and ultrahigh frequencies"

2229. MINECKI, L. (1961) Medycyna Pracy (Poland) 12:337-344, (FTD-TT-61-380), "The health of persons exposed to the effect of high frequency electromagnetic fields"

2230. MIRIMANOFF, A. (1927) Revue Gen. D'Opht. 51:97-119, (In Fr.), "Diathermy in ophthalmology"

2231. MIRUTENKO, V. I. (1964) In: Problems of the Biophysics and Mechanism of Action of Ionizing Radiation, Kiev, Zdorov'ya, pp. 79-82, "Heat distribution in the organs and tissues of animals exposed to UHF electromagnetic field"

2232. MOHR, G. C., & CASHIN, J. L. (1970) Aerospace Med. Res. Lab., Wright-Patterson AFB, Rept. AMRL-TR-68-32, "Biomagnetic response of simple biological systems and the implications for long duration space missions" [results indicated no significant effect on the two biologic systems studied]

2233. MONBRUN, A., & CASTERAN, M. (1927) J. d'Opht. Med. Franc. 16:136 (April), (In Fr.), "Diathermy in ophthalmology"

2234. MONCREIFF, W. F., COULTER, J. S., & HOLMQUEST, H. J. (1932) Amer. J. of Ophth. 15(3):194-205, (Abstr. in: Zentralbl. f. d. ges. Ophth. 27(7):406-407 (1932)), "Experimental studies in diathermy applied to the eye and orbit. A. Thermal effect of diathermy"

2235. MONCREIFF, W. F., COULTER, J. S., & HOLMQUEST, H. J. (1933) Amer. J. of Ophth. 16(3):193-199, (Abstr. in: Zentralbl. f. d. ges. Ophth. 29(6):347 (1933)), "Experimental studies in diathermy applied to the eye and orbit. B. Comparison of thermal effects of diathermy, infrared radiation, and an electric heating pad"

2236. MUSIL, J. (1970) Ceskoslovenska hygiena 15(9-10):315-320, (In Czech.), "Values of field intensity in the surroundings of high frequency industrial generators"

2237. NELSON, S. O. (1966) Farm, Ranch, & Home Quart., No. 132, pp. 15-16, (Summer), "New ways to control insects" [including use of r-f radiation]

2238. NOVITSKIY, Yu. I., GORDON, Z. V., PRESMAN, A. S., & KHOLODOV, Yu. A. (1971), (Transl. from Russ.), NASA TT-F-14,021, Radio Frequencies and Microwaves: Magnetic and Electrical Fields

2239. OLSEN, C. M. (1965) Food Engineering 37:51-54, "Microwaves inhibit bread mold"

2240. OLSEN, C. M., DRAKE, C. L., & BUNCH, S. L. (1966) J. of Microwave Power 1:45-56, "Some biological effects of microwave energy"

2241. OSEPCHUK, J. M. (1971?) Raytheon Co. Report, (Abstr. #A72-14032), "Comparison of potential device interference and biological exposure hazards in microwave leakage fields"

2242. PASCA, M. (1934) Studi Sassar., Sec. 2. 12:807-812, (In Ital.), (Abstr. in: Zentralbl. f. d. ges. Ophth. 34(3):137 (1935)), "Research on the possibility of producing a cataract by trans-scleral diathermy"

2243. PAZDEROVA, J. (1968) Pracovni lekarstvi 20(10):447-457, (In Czech.), (Transl. by A. Marosi, (ed. by F. G. Hirsch), Loveland Found. for Med. Education and Res., Albuquerque), "Effects of electromagnetic radiation of the order of centimeter and meter wavelength on human's health"

2244. PENNERS, S. (1966) Gigiyena Truda i Professional'nyye Zabolevaniya, Moscow, (7):18-21, (ATD-66-123, N67-14373), "Hemodynamic indices during the action of superhigh frequency electromagnetic fields"

2245. PETROV, I. R. (1968) Transl. (from Russ.) of citation #1218 (this Biblio.), (Rept. No. N70-30464, NLL-Transl-2629-(9022.81)), "Aetiology of ultra-high frequency exposure" [combined effects of microwave radiation and rarified atmosphere on immunization reactions of human organisms]

2246. PETROV, I. R., (ed.), (1970) (In Russ.), "Meditsina" Press, Leningrad, (NASA Transl. No. TT-F-708, (1971)), Influence of microwave Radiation on the Organism of Man and Animals

2247. PLITAS, P. S. (1935) Sovet. Vestn. Oftal. 7(4):442-447, (In Russ.), (Abstr. in: Zentralbl. f. d. ges. Ophth. 36(1): 23-24, and Am. J. of Ophth. 19(5):449 (May 1936)), "Modification of the visual organ under the influence of ultrashort radio waves"

2248. POSCH, N. A. (& KOLIN, A.), (1970) Ph.D. Dissertation, U. of Calif., 145 pp. (N71-36484), "Studies on magnetic field exposures of Drosophila melanogaster and Pelvetia fastigiata"

2249. PUGLISI-DURANTI, G. (1935) Boll. Ocul. 14:383-445, (In Ital.), (Abstr. in: Zentralbl. f. d. ges. Ophth. 34(3):177-178), "Lesions due to the diathermic coagulation of the vitreous humor"

2250. PUNTENNEY, I., & OSBORNE, S. L. (1939) Arch. Ophth. (Chicago) 22(2):211-227, (Abstr. in: Zentralbl. f. d. ges. Ophth. 45(3):148 (Apr 30, 1940)), "Temperature changes and changes in caliber of retinal blood vessels after short wave diathermy"

2251. RAFAILA, E., LANCRANJAN, I., PREDA, N., POPESCO, H., ROVENTA, A., & TECOULESCO, D. (1970) In: Ergonomics and Physical Environmental Factors, (Vol. 21 of the Occupational Safety and Health Series), Internat. Labour Office, Geneva, (In Fr.), pp. 175-177, "Researches concerning changes in the organism in personnel employed in radar installations"

2252. REMARK, D. G. (1971) USDHEW/PHS, Bur. of Rad. Health, (Pub. No. BRH/NERHL 71-1), 38 pages, "Survey of diathermy equipment use in Pinellas County, Florida"

2253. RHEIN, R. W. (1972) U. S. Medicine 8(5): pp. 3 & 23 (Mar 1), [Describes work of D. R. Justesen on rats and mice], "Microwaves inhibit tumor induction"

2254. RIFFENBURGH, R. S. (1953) U. S. Armed Forces Med. J. 4(1):71-72, "Ocular fatigue in the radar operator"

2255. ROBE, K. (1966) Food Processing and Marketing 27:84-86, "Improved flavor of pasteurized products [cooked with microwave radiation]"

2256. ROSE, V. E., GELLIN, G. A., & POWELL, C. H. (1970) In: Ergonomics and Physical Environmental Factors, (Vol. 21 of the Occupational Safety and Health Series), Internat. Labour Office, Geneva, pp. 178-185, "Evaluation and control of exposures in repairing microwave ovens"

2257. ROSE, V. E., POWELL, C. H., LaNIER, M. E., & SWANSON, J. R. (1970) In: Ergonomics and Physical Environmental Factors, (Vol. 21 of the Occupational Safety and Health Series), Internat. Labour Office, Geneva, pp. 186-, "A review of U. S. microwave exposure criteria"

2258. ROSENTHAL, S. W. (1970) In: Proc. of Hungarian Acad. of Sci., & Sci. Soc. for Telecommunication, Colloq. on Microwave Communication, 4th, Budapest, (Apr. 21-24, 1970), (Abstr. #A70-43790), "Safety standards and biological effects of microwave radiation"

2259. ROSENTHAL, D. S., & BEERING, S. C. (1968) J. of the Amer. Medical Assoc. 205(4):105-108, "Hypogonadism after microwave radiation"

2260. RUGGERA, P. S., & ELDER, R. L. (1971) USDHEW/PHS, Bur. of Rad. Health (Pub. No. BRH/DEP 71-5), 25 pages, "Electromagnetic radiation interference with cardiac pacemakers"

2261. RUSSO, F., & CALDWELL, W. E. (1971) Genetic Psychology Monographs 84:177-243, "Biomagnetic phenomena: Some implication for the behavioral and neurophysiological sciences"

2262. SAWICKI, W., & OSTROWSKI, K. (1968) Amer. J. of Physical Medicine 47:225-234, (A69-80117), "Non-thermal effect of microwave radiation in vitro on peritoneal mast cells of the rat"

2263. SCHERESCHEWSKY, J. W. (1933) Public Health Reports 48:844-858 (July), "Heating effect of very high frequency condenser fields on organic fluids and tissues"

2264. SCHLEIPEN, L. (1939) Dissertation, Frankfurt a. M., 18 pages, (In Ger.), (Abstr. in: Zentralbl. f. d. ges. Ophth. 46(11): 336 (Feb 18, 1941)), "Results of histological studies using short wave radiation"

2265. SCHMIDT, M. J., SCHMIDT, D. E., & ROBISON, G. A. (1971) Science 173:1142-1143 (17 Sept), "Cyclic adenosine monophosphate in brain areas: Microwave irradiation as a means of tissue fixation"

2266. SCHWAN, H. P. (1952) Abstr. in Federation Proceedings 11:142 only, "Electrical properties of blood at ultrahigh frequencies"

2267. SCHWAN, H. P. (1965) Technical Progress Report (AD #615661, N65-28329), "Non-thermal effects of alternating electrical fields on biological structures"

2268. SCHWAN, H. P. (1971) Naval Weapons Lab. (Dahlgren, Va.), Tech. Rept. TR-2713, "Hazards from exposure to electrical fields and potentials"

2269. SHELDON, L. (1944) Bureau of Med. (U. S. Navy) News Letter 3(10):30-31, "Radar operation not harmful to the eyes"

2270. SHIVELY, J. N. (1970) In: Radiation Bio-Effects Summary Report, Hodge, D. M., (ed.), for Jan-Dec 1970, Div. of Biological Effects, Bur. Rad. Health, DHEW, (Rept. No. BRH/DBE 70-7), pp. 201-203, "A pilot study of effects of microwave exposure on ontogenesis" [using 2 - 3 day old dogs]

2271. SIGELMAN, S., & FRIEDENWALD, J. S. (1954) A.M.A. Arch. of Ophth. 52(1):46-57, (Abstr. in: Ophth. Lit. 8(3):356 (Mar 1955)), "Mitotic and wound healing activities of the corneal epithelium. Effect of sensory denervation"

2272. SILVERMAN, C. (1970) In: Radiation Bio-Effects Summary Report, Hodge, D. M., (ed.), for Jan-Dec 1969, Div. of Biological Effects, Bur. Rad. Health, DHEW, (Rept. No. DBE 70-1), p. 22 only, "Parental radiation exposure and Down's syndrome (mongolism)"

2273. SILVERMAN, C. (1970) In: Radiation Bio-Effects Summary Report, Hodge, D. M., (ed.), for Jan-Dec 1970, Div. of Biological Effects, Bur. Rad. Health, DHEW, (Rept. No. BRH/DBE 70-7), pp. 22-23, "Parental radiation exposure and Down's syndrome (mongolism)"; and pp. 45-46, "Follow-up study of radar workers"

2274. SIMONELLI, M., & RIZZINI, V. (1952) Giorn. Ital. Oftal. 5(3):190-196 (May/June), (In Ital., with Fr., Eng., & Ger. summaries), (Abstr. in: Zentralbl. f. d. ges. Ophth. 59(1):55 (Mar 1953), and Ophth. Lit. 6(3):263 (Dec 1952)), "Further contribution to the study of the effect of microwaves on the eye"

2275. SLINEY, D. H., & PALMISANO, W. A. (1967) Army Environmental Hygiene Agency Rept. (N67-32384, AD 652708), "Microwave hazards bibliography"

2276. STONER, E. (1951) Arch. of Physical Medicine 32:408-416, "The effect of microwave radiation on the peripheral pulse volume, digital skin temperature, and digital blood flow in man"

2277. STUMPTER, H., & THOM, H. (1955) Ber. dtsch. Ophthal. Ges. 59:361-363, (In Ger.), (Abstr. in: Zentralbl. f. d. ges. Ophth. 65(6):358-359 (Oct 1955)), "Eye alterations in rabbits due to microwaves and eddy currents"

2278. SWANSON, J. R., ROSE, V. E., & POWELL, C. H. (1970) Amer. Indust. Hygiene Assoc. J. 31:623-629, "A review of international microwave exposure guides"

2279. SWICORD, M. L. (1971) USDHEW/PHS, Bur. of Rad. Health (Pub. No. BRH/DEP 71-1), 33 pages, "Microwave measurements and new types of detectors for evaluation of health hazards"

2280. TAPIE, R. L. (1969) Pacific Missile Range (Pt. Mugu, Calif.), Rept. PMR-TM-69-6(U), "A study of personnel radiation hazards created by selected high-power radar sets"

2281. TELL, R. A. (1970) In: Radiation Bio-Effects Summary Report, Hodge, D. M., (ed.), for Jan-Dec 1970, Div. of Biological Effects, Bur. Rad. Health, DHEW, (Rept. No. BRH/DBE 70-7), pp. 75-77, "Radio frequency and microwave energy absorption in tissue"; and (with KINN, J. B.), pp. 78-79, "Heating with diathermy"

2282. TESSMER, C. F. (1963) Military Medicine 128:334-344, (A63-18601), "The effect of electromagnetic radiation on tissue"

2283. THOMPSON, W. D., & BOURGEOIS, A. E. (1971) In: Pharmacological and Biophysical Agents and Behavior, Furchtgott, E., (ed.), Academic Press, N. Y., pp. 65-98, "Non-ionizing radiations"

2284. TIKHONOV, F. D. (1970) Voenno-Meditsinskii Zhurnal __:44-46, (In Russ.), (Abstr. #A71-21955), "Functional disturbances of the gastrointestinal tract in [human] subjects working in a microwave field"

2285. TOLGSKAYA, M. S., & GORDON, Z. V. (1971) Meditsina Pub. House, Moscow, 135 pages, (In Russ.), Morphophysiological Changes During the Action of Radio-Frequency Electromagnetic Waves

2286. VALTONEN, E. J. (1967) Z. Zellforsch. Mikroskop. Anat. 80:322-328, "Observations on the fine structure of giant mast cells produced by microwave radiation on the peritoneal fluid"

2287. VALTONEN, E. J. (1968) Amer. J. of Physical Medicine 47:75-83, "Effect of treatment with short wave diathermy on the histamine content of various organs"

2288. VAN ZANTE, H. J., & JOHNSON, S. K. (1970) J. of the Amer. Dietetic Assoc. 56:133-135, "Effect of electronic cookery on thiamine and riboflavin in buffered solutions"

2289. VERNICK, S. H. (1962) Dissertation Abstr. 23(2):1174-1175, "The effects of temperature, light, and HF radio waves upon the embryonic development of Tilapia macrocephila"

2290. VOGT, A. (1912) Arch. f. Ophth. 83(1):99-113 (Oct), (In Ger.), "Some measurements on the diathermancy of the human eye ball, its media, and the human eyelid, in addition to observations of the biological effects of infrared (radiation)"

2291. VON EULER, C. (1947) Acta Physiologica Scandinavica 14, Supplement 45, pp. 1-75, "Selective responses to thermal stimulation of mammalian nerves"

2292. WINTER, F. C., & BOOMER, R. B. (1959) Am. J. of Ophth. 48(3)II:336-337, "Changes in corneal astigmatism observed following surface diathermy to rabbit corneas"

2293. YAGI, K. (1970) Nippon Acta Radiol. (Jap.) 30:184-204, (In Jap., with Eng. abstr., fig. titles, and biblio.), "Local aplastic bone marrow induced by microwave irradiation in rabbits; especially histological and histochemical studies"

2294. YAO, K. T. S., & JILES, M. M. (1970) In: Radiation Bio-Effects Summary Report, Hodge, D. M., (ed.), Jan-Dec 1969, Div. of Biological Effects, Bur. Rad. Health, DHEW (Rept No. DBE 70-1), pp. 185-187, "Effects of 2450 MHz microwave radiation on cultivated rat kangaroo cells"

2295. YAO, K. T. S., & JILES, M. M. (1970) In: Radiation Bio-Effects Summary Report, Hodge, D. M., (ed.), Jan-Dec 1969, Div. of Biological Effects, Bur. Rad. Health, DHEW, (Rept. No. BRH-DBE 70-7), pp. 233-235, "Mortality patterns of microwave irradiated rat kangaroo cells in culture"

2296. ZARET, M. (1969) 40th Annual Sci. Meeting of the Aerospace Med. Assoc., San Francisco, "Ophthalmic hazards of microwave and laser environments"

2297. ZIRRA, A. M., COMNOIU, M., VOICU, A., STRATULAT, L., & BOLOHAN, I. (1967) Cercet Balneol Fiziolter 8:612-621, (A68-80778), "Histochemical studies on some alterations of the animal organism under the action of microwaves"

2298. ZUFAROV, K. A., & SHNAIVAIS, V. B. (1970) Zytologia (or Tsitologiia) 12(2):146-151, (In Russ.), "Reactions of the mitochondria of the liver of white mice to the action of electromagnetic fields" [Swelling, lysis, and appearance of giant cells, at 1625 Elzl

2299. "Important areas of electronic research; Compilation of statements by leaders in the field", (AD 253881), (1961).

2300. "The biological action of radio frequency electromagnetic fields and magnetic fields: Summary report" of the Panel on Magnetic, Radio Frequency, and Other Field Effects. Environmental Biology Committee, Space Science Board, NAS-NRC, (N63-23563), (Aug. 1963)

2301. "Resolution of Radio-Frequency Hazards Problems", Chief of Naval Operations Instruction (OPNAVINST 5101.18) of 24 May 1968, ("To promulgate policy pertaining to the resolution of radio frequency hazard problems involving ordnance, personnel, and volatile materials, and to assign responsibilities in connection therewith")

2302. "Agencies react to electromagnetic radiation risks," Electronics __:35-36, (Aug. 16, 1971)

2303. "A study of information currently available on electromagnetic side effects," Rept. by Interference Consultants, Inc., Boston, for Office of Telecommunications Management, Office of Emergency Preparedness, Executive Office of the White House, Vol. I, 68 pp. (PB 203147), Oct. 1968; Vol. II, 60 pp. (PB203148) containing bibliography and historic documents, Sept. 196[illegible]

2304. "Electromagnetism to induce abortion? Experiments show exposure to microwave radiation can cause resorption of rat fetuses," Medical World News, p. 480 only, [describes work of R. L. Brent] (April 9, 1971)

2305. "'Electrosleep' held aid in depression, anxiety," U. S. Medicine 7(22): pp. 10 and 33, (15 Nov. 1971)

2306. "Limb regeneration in mammals: Research indicates that electricity stimulates partial regrowth of amputated limbs of rat," Science News __( ):322-323 (Nov. 13, 1971)

2307. "Microwave safety," Circular No. 4.801, Div. of Radiological Health, Bur. of Environmental Health, Illinois Dept. of Public Health (1971)

2308. "Radar radiation riles residents," Industrial Research, p. 29 only, (Mar. 1972)

2309. "Radiation hazards," [Including RF and microwave frequencies], from Interference Technology Engineers' Master, (R & B Enterprises, P. O. Box 328, Plymouth Meeting, Pa.), pp. 102-104 (1972)

2310. "Effects of microwave irradiation - USSR," Rept. (JPRS 51238 & N70-39484), containing articles by Glotova & Sadchikova, and by Dyachenko (numbers 2166 and 2148, respectively, this Bibliography), from Gigiyena Truda i Professional'nyye Zabolevaniya, Moscow, (1970)

2311. "Annual Report on the Administration of the Radiation Control for Health and Safety Act of 1968". Message from the President of the United States Transmitting the Annual Report on the Administration of the Radiation Control for Health and Safety Act of 1968 (Public Law 90-602), covering 1970. 92nd Congress, 1st Session, House Document No. 92-113, U. S. Government Printing Office, Washington, D. C., 1971