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ACADEMY OF MEDICAL SCIENCES  
USSR INSTITUTE OF INDUSTRIAL HYGIENE  
AND  
OCCUPATIONAL DISEASES

*by Letavet  
& Gordon (eds)*

BIOLOGICAL EFFECTS  
OF  
ELECTROMAGNETIC  
RADIO FREQUENCY FIELDS

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Moscow 1968

BELL TELEPHONE LABORATORIES  
ENVIRONMENTAL HEALTH &  
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*Murray Hill, N.J.*

Academy of Medical Sciences USSR  
Institute of Industrial Hygiene & Occupational  
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Edited by Prof. A.A. LETAVET

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SAFETY DEPARTMENT

The biological effects of electromagnetic radiofrequency fields, an important problem of industrial hygiene, has already been studied here and abroad.

The papers published herein represent the third collection of papers on this subject by the Institute of Industrial Hygiene and Occupational Diseases of the Academy of Medical Sciences, USSR. It complements the previous two issues with new hygienic, clinical and experimental data.

The majority of the papers is devoted to the biological effect of microwaves. This field has been investigated in depth with an attempt at determining the mechanisms underlying this particular factor.

The biological effects of microwaves generated by different sources, the radiation exposure of a biological subject, the problems of combined action of UHF and soft X-radiation are discussed; the biological effects of ultrashort waves are evaluated.

At the same time the reader can acquaint himself with the hygienic evaluation of certain novel industrial processes, entailing the use of radio frequency generators of various wavelength ranges and the results of exhaustive clinical studies.

The material presented herein is important from the aspect of hygienic evaluation of radiofrequency radiation and the development of protective means against this undesirable factor in various industrial processes.