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OFFICE MEMORANDUM

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Jack Clark, J-DO

Date: March 7, 1952

From

T. L. Shipmen, M. D.

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326 US ATOMIC ENERGY

COMMISSION

Routine Physical Exeminations for Test Personnol Collection Collection Subjects

Symbols

## BEST COPY AVAILABLE

A certain amount of confusion and some misunderstanding has recently arison over what appears to be a change in policy concerning physical evan require. ments for those members of the Laboratory staff participating in test operations either at NFC or Enivetok. This mome is to emplain the position adopted by H Division and to outline the procedure which we propose to follow.

It is obvious that physical examination requirements for military personnel, civilian perticipants, and construction workers who are to participate actively in test operations and who will enter contaminated areas should, in so far as it is reasonable and proper, be uniform. The military has already stated its requirements which will be found in the Handbook of Atomic Wonne is for Medical Officers which was published in June, 1951, and which applies to the Army, the Mavy, and the Air Force. In addition to the ordinary physical exemination procedures, which are designed to assure that the individual is in average good health and without obvious physical disability, the following procedures are also required: (1) uninalysis; (2) complete blood count; (3) chest Keray. It is stated in this handbook that "if a similar examination has been conducted during the past three months, a report exemination will not be necessary, provided a record of such examination is maintained cm file." The handbook goos on to list certain physical requirements, doviation from which would disqualify a person from work involving emposure to radiation. With only one of these requirements can we arbitrarily disagrae: it is stated that a total red blood cell count above 6.5 million would disqualify; such a blood count is fairly common et Los Alamos because of the altitude.

to far as Los Manou personnel is concerned, we will also disagree with the stipulation that chest X-rays as often as every three months might be necessery. For Laboratory workers under 45 years of age we do not propose to do routing chest X-reys oftener than once a year, and for those over 45, oftener than once in six maths. We shall also use our discretion in the frequency of blood counts and the completeness of physical examinations, but in general we will not depart from the spirit of the law; we must be able to assure the test director and a tack force commander that those being sent to the test arac are presumably and to the best of our knowledge in good health and in scequate physical condition to withstand the rigors of the work.

It might be well at this time to digress mementarily to consider the que tion of chest I-rays. The usual chest X-ray telion with standard equipmed using the small sized film delivers to the individually about a dose using the small sized film, delivers to the individual's chart a doso everages from 250 to 300 mr. The emposure with the full sized 140 x 1 film is slightly less. In both cases the equipment is shielded so that the emposure to other parts of the body is minimal and insignificant. It is generally held by the best authorities in the country that such emposures

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OFFICE INCREMENT

Date: March 7, 1952

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Jack Clark, J-DO

From:

T. L. Shipman, M. D.

Subject: Routine Physical Examinations for Test Forsemal

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once or twice a year are of absolutely no consequence, even to individuals whose lifetime work involves exposure to ionizing radiation. Osvicusly we still do not wish to require any more of this on a routine basis than is necessary. Furthermore it is felt that X-rays which are taken to establish a diagnosis necessary to emplain symptoms will help the individual more than avoidance of the exposure, even though the total exposure may go as high as 50 r or more. In general it can be stated that requiring routine periodic chest X-rays no oftener than seems reasonable is a justifiable requirement.

Group H-2 maintains careful records of all Laboratory personnel. It is our desire to put those individuals who are to participate in test operations to a minimum of inconvenience. Laboratory workers who will go to NFG but who will not enter the contaminated areas require no examinations at all. Those who do expect to enter the contaminated areas should contact Dr. Grier to ascertain whother or not their records are up to date and whether an appointment for re-examination is necessary. Those who have not undergone this formulity may be denied access to the conteminated areas. All workers going to Eniwetch must be approved by H-2 and must, in addition, receive whatever immunizations are called for by Government regulation. (so far this has called for immunization against small pox, typhoid-paratyphoid, and tetanus). Those failing to undergo these formalities may find themselves unable to leave the country, and if they do get out, might encounter difficulty in getting back in.

All of the above remarks refer only to LASL personnel. It is cartainly our opinion that other civilians, as well as construction workers, should conform to requirements no less rigid.

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BY AUTHORITY OF DOE! OG

THOMAS L. SHIPMAN, M. D. Health Division Leader

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Distribution: N. E. Bradbury

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Los Lienes, New Marios

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Dato: March 7, 1952

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T. L. Shipmen, M. D.

RG 326 US ATOMIC ENERGY

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Subjects

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Location

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