

V. SITE

The localization of the roentgen- and radium-cancers reflects very definitely the organs of most intense exposure. The following table lists the distribution of the occupational neoplasms:

SITE OF OCCUPATIONAL ROENTGEN- AND RADIUM-CANCERS

Fingers	Left Side	17 Cases
	Right	9
	Unknown	8
Dorsum of Hand and Wrist	Left	14
	Right	15
	Unknown	5
Arm	Left	0
	Right	1
	Unknown	2
Head	Lip	1
	Cheek	2
	Nose	1
Trunk	Back	2
	Chest	2
	General	2
	Breasts	2
	Abdomen	1

It has been asserted by Hunter, by Cole and by others that the neoplasms of roentgenologists and their assistants are located mainly on the left hand, as this hand is exposed, especially in fluoroscopic work, while the right hand is said to be more often the site of tumors in engineers and mechanics. The following table contains the distribution of cancers of the fingers and hands in physicians and engineers:

DISTRIBUTION OF CANCERS ON HANDS AND FINGERS
ACCORDING TO OCCUPATIONS

Hands and Fingers	Right	Left
Engineers	8	9
Physicians	12	20

These figures suggest that the left hand and fingers of physicians are more exposed than the right one, while in engineers and persons in similar occupations such a difference is not apparent from the evidence available.

It is characteristic of cutaneous changes in roentgenologists that the neoplastic lesions and their precursors involve the tips and dorsal aspects of the