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X-RAYS

Publications by the Staff of the National Bureau of Standards.

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RP = "Research Paper". These are reprints of articles appearing in the "Bureau of Standards Journal of Research" and the "Journal of Research of the National Bureau of Standards", the latter being the title of this periodical since July 1934 (volume 13, number 1).

C = "Circular".

H = "Handbook".

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SUBJECT-MATTER HEADING

Section Title

<u>Title</u>	<u>Series</u>	<u>Price</u>
Barium sulphate as a protective material against roentgen radiation. Franklin L. Hunt, Am. Jour. Roent. & Rad. Ther. (Chas. C. Thomas, Springfield, Ill.), <u>14</u> , 524 (1925).		
Improved form of gas type X-ray tube. L.F. Curtiss, J.O.S.A. & R.S.I. (George Banta Publishing Co., Menasha, Wisc.), <u>16</u> , 68 (1928).		
X-ray and radium protection. Recommendations of International Congress of Radiology (1929) - - - -	C374	OP
Cathode ray dosimetry, Lauriston S. Taylor, Radiology (Bruce Publishing Co., St. Paul, Minn.), <u>12</u> , 294 (1929).		
The precise measurement of X-ray dosage. Lauriston S. Taylor. BS J. Research, <u>2</u> , 771 (1929) Also in Radiology (Bruce Publishing Co., St. Paul, Minn.) <u>14</u> , 372 (1930).	RP56	10c
Continuous spectrum X-rays from thin targets. W.W. Nicholas. BS J. Research <u>2</u> , 832 (1929). - - - -	RP60	10c
Roentgen-ray protection. Lauriston S. Taylor. Am. Jour. Roent. & Rad. Ther. (Chas. C. Thomas, Springfield, Ill.), <u>22</u> , 45 (1929).		
Analysis of diaphragm system for the X-ray standard ionization chamber. Lauriston S. Taylor. BS J. Research, <u>3</u> , 857 (1929) - - - - - Also in Radiology (Bruce Publishing Co., St. Paul, Minn.), <u>15</u> , 49 (1930).	RP119	10c
The relative intensity of X-ray satellites, Science. F.K. Richtmyer and Lauriston S. Taylor. (Science Publishing Co., Lancaster, Pa.), <u>70</u> , 616 (1929).		

Title

Series Price

The problem of international X-ray standardization, Radiology. Lauriston S. Taylor. (Bruce Publishing Co., St. Paul, Minn.), 14, 551 (1930).

The calibration of the "Fingerhut" ionization chamber. Lauriston S. Taylor. BS J. Research 4, 631 (1930)--RP169 10c  
Also in Radiology (Bruce Publishing Co., St. Paul, Minn.), 15, 227 (1930).

Intensity of X-ray satellites. F.K. Richtmyer and L.S. Taylor. Phys. Rev. (American Institute of Physics, Lancaster, Pa.), 36, 1044 (1930).

An improved form of standard ionization chamber. Lauriston S. Taylor and George Singer. BS J. Research, 5, 507 (1930)-----RP211 10c  
Also in Radiology (Bruce Publishing Co., St. Paul, Minn.), 15, 637 (1930).

Absorption measurements of the X-ray general radiation. Lauriston S. Taylor. BS J. Research 5, 517 (1930).-----RP212 10c  
Also in Radiology (Bruce Publishing Co., St. Paul, Minn.), 16, 302 (1931).

Apparatus for the measurement of high constant or rippled voltages. Lauriston S. Taylor. BS J. Research 5, 609 (1930).-----RP217 10c  
Also in Radiology (Bruce Publishing Co., St. Paul, Minn.), 16, 893 (1931).

Efficiency of production of X-rays. Warren W. Nicholas. BS J. Research 5, 843 (1930).-----RP235 10c

Recent progress in X-ray standardization, Radiology. Lauriston S. Taylor. (Bruce Publishing Co., St. Paul, Minn.), 16, 1 (1931).

Further studies of the X-ray standard ionization chamber diaphragm system. Lauriston S. Taylor and G. Singer. BS J. Research, 6, 219 (1931)-----RP271 10c  
Also in Radiology (Bruce Publishing Co., St. Paul, Minn.), 17, 104 (1931).

Accurate measurement of small electric charges by a null method. Lauriston S. Taylor. BS J. Research, 6, 807 (1931).-----RP306 10c  
Also in Radiology (Bruce Publishing Co., St. Paul, Minn.), 17, 294 (1931).

X-ray protection. (1931)----- H15 OP

Comparison de l'unité de quantité de rayons X employée aux Etats-Unis, en Angleterre, en Allemagne et en France. Lauriston S. Taylor. Proceedings II<sup>d</sup> Int. Cong. Rad., Paris, 1931, 226 (Abstract of RP397 below).

<u>Title</u>	<u>Series</u>	<u>Price</u>
La mesure des radiations de Lenard. Lauriston S. Taylor and C.F. Stoneburner. Proceedings IIIrd Int. Cong. Rad., Paris, 1931 p. 217.		
Measurement of Lenard rays. Lauriston S. Taylor. BS J. Research, <u>7</u> , 57 (1931).-----	RP332	10c
Also in Radiology (Bruce Publishing Co., St. Paul, Minn.), <u>7</u> , 57 (1931).		
X-ray protection. Lauriston S. Taylor. Am. Jour. Roent. & Rad. Ther. (Chas. C. Thomas, Springfield, Ill.), <u>26</u> , 436 (1931).		
International comparison of X-ray standards. Lauriston S. Taylor. BS J. Research <u>8</u> , 9 (1932).-RP397		10c
Also in Radiology (Bruce Publishing Co., St. Paul, Minn.), <u>18</u> , 99 (1932).		
An electrostatic voltmeter. Warren W. Nicholas. BS J. Research , <u>8</u> , 111 (1932).-----	RP404	5c
Note on international comparison of X-ray standards. Lauriston S. Taylor. BS J. Research <u>8</u> , 325 (1932).-----	RP417	5c
Also in Radiology (Bruce Publishing Co., St. Paul, Minn.), <u>8</u> , 325 (1932).		
Air density corrections for X-ray ionization chambers. Lauriston S. Taylor and George Singer. BS J. Research, <u>8</u> , 385 (1932).-----	RP424	5c
International comparison of roentgen-ray units. Lauriston S. Taylor. Am. Jour. Roent. & Rad. Ther. (Chas. C. Thomas, Springfield, Ill.), <u>27</u> , 884 (1932). (Semitechnical reprint of RP397, above.		
Work of the National and International committees on X-ray and radium protection. Lauriston S. Taylor, Radiology (Bruce Publishing Co., St. Paul, Minn.), <u>19</u> , 1 (1932).		
The comparison of high voltage X-ray generators. Lauriston S. Taylor. BS J. Research, <u>9</u> , 333 (1932).-----	RP475	5c
Also in Am. Jour. Roent. & Rad. Ther. (Chas. C. Thomas, Springfield, Ill.), <u>29</u> , 826 (1933).		
Effective applied voltage as an indicator of the radiation emitted by an X-ray tube. Lauriston S. Taylor, G. Singer and C.F. Stoneburner. BS J. Research, <u>9</u> , 561 (1932).-----	RP491	5c
Also in Am. Jour. Roentgen & Rad. Ther. (Chas. C. Thomas, Springfield, Ill.), <u>30</u> , 221 (1933).		

<u>Title</u>	<u>Series</u>	<u>Price</u>
The measurement of low voltage X-ray intensities. Lauriston S. Taylor and C.F. Stoneburner. BS J. Research, <u>9</u> , 769 (1932).-----	RP505	5c
Operation of thickwalled X-ray tubes on rectified potentials. Lauriston S. Taylor and C.F. Stoneburner. BS J. Research, <u>10</u> , 233 (1933)----- Also in Am. Jour. Roent. & Rad. Ther. (Chas. C. Thomas, Springfield, Ill.), 1933.	RP527	5c
A remotely operated switch for roentgen dosage meters. Lauriston S. Taylor and G.A. Rheinbold. Am. Jour. Roent. & Rad. Ther. (Chas. C. Thomas, Springfield, Ill.), <u>29</u> , 416 (1933).		
A basis for the comparison of X-rays generated by voltages of different wave forms. Lauriston S. Taylor, George Singer and C.F. Stoneburner. BS J. Research <u>11</u> , 293 (1933).----- Also in Am. Jour. Roent. & Rad. Ther. (Chas.C. Thomas, Springfield, Ill.), 1933.	RP592	10c
Comparison of high voltage X-ray tubes. Lauriston S. Taylor, George Singer and C.F. Stoneburner. BS J. Research, <u>11</u> , 341 (1933)----- Also in Am. Jour. Roent. & Rad. Ther. (Chas. C. Thomas, Springfield, Ill.), 1933.	RP595	10c
X-rays-Section in Standard Electrical Engineers Handbook. Lauriston S. Taylor. (McGraw-Hill Book Co., Inc., New York, N.Y.), 1932.		
Roentgen Therapy - Sections on X-ray dosimetry and X-ray protection. Lauriston S. Taylor. (Lea and Febiger, Philadelphia, Pa.), 1938.		
Recommendations of the Third-International Congress of Radiology relating to the protection from X-rays and radium, Lauriston S. Taylor. (Bruce Publishing Co., St. Paul, Minn.), <u>21</u> , 212 (1933).		
Report of committee on the standardization of X-ray measurements. Lauriston S. Taylor. Radiology <u>22</u> , 289 (1934).		
Standard absorption curves for specifying the quality of X-radiation. Lauriston S. Taylor and George Singer. BS J. Research, <u>12</u> , 401 (1934)----- Also Radiology, <u>22</u> , 445 (1934).	RP666	5c
Radium protection for amounts up to 300 milligrams. Lauriston S. Taylor. (March, 1934).-----	H18	10c
Ionization of liquid carbon disulphide by X-rays. F.L. Mohler and Lauriston S. Taylor. J. Research NBS, <u>13</u> , 659 (1934). Also Am. J. Roentgenology, <u>34</u> , 84 (1935).		

<u>Title</u>	<u>Series</u>	<u>Price</u>
A note on the bacteriacidal effect of X-rays. F.L. Mohler and Lauriston S. Taylor. J. Research NBS, <u>13</u> , 677 (1934).----- Also Am. J. Roentgenology <u>34</u> , 89 (1935).	RP735	5c
Roentgen ray standards and units. Lauriston S. Taylor. Am. J. Roentgenology <u>31</u> , 815 (1934).		
International recommendations for X-ray and radium protection. Lauriston S. Taylor. Radiology <u>23</u> , 682 (1934).		
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Ionization of liquids by X-rays. Lauriston S. Taylor, and F.L. Mohler. Phys. Rev. <u>47</u> , 805 (1935).		
Comparison of X-ray and gamma ray dosage. Lauriston S. Taylor and F.L. Mohler. Science <u>81</u> , 318 (1935).		
Report of committee on standardization of X-ray measure- ments. L.S. Taylor and U.V. Portmann. Radiology <u>26</u> , 634 (1936).		
Determination of the saturation ionization current from high speed electrons in air. L.S. Taylor. Phys. Rev. <u>48</u> , 970 (1935).		
Note on the guarded field X-ray ionization chamber. L.S. Taylor and G. Singer. J. Research NBS <u>16</u> , 165 (1936).----- Also Radiology <u>26</u> , 322 (1936).	RP865	5c
Absorption of X-rays by lead glasses and lead barium glasses. George Singer. J. Research NBS <u>16</u> , 233 (1936).-----	RP870	5c
Measurements of X-rays and radium, Chapter II of "Bio- logical Effects of Radiation". Lauriston S. Taylor. Edited by B.M. Duggar (McGraw Hill Book Co., Inc., New York, N.Y.) 1936.		
X-ray protection (Revision of old Handbook 15). Lauriston S. Taylor. (September 1936).-----	H20	5c
The ionization of air by Lenard rays. Lauriston S. Taylor. J. Research NBS <u>17</u> , 983 (1936).-----	RP924	5c
Time factors in the ionization of liquid carbon bisul- phide by X-rays. Lauriston S. Taylor. J. Research NBS <u>17</u> , 557 (1936).-----	RP927	10c

<u>Title</u>	<u>Series</u>	<u>Price</u>
The Determination of X-ray quality by filter methods. Lauriston S. Taylor. Radiology <u>29</u> , 22 (1937). Also see Occasional Publication of the AAAS No. 4, supplement to Science Vol. 85 entitled Some Fundamental Aspects of the Cancer Problem, p. 196 (1937). (Science Press, N.Y.).		
The measurement of X-rays with liquid ionization chambers. Lauriston S. Taylor. Radiology <u>29</u> , 323 (1937).		
Recommendation of the International committee for radiological units. Radiology <u>29</u> , 634 (1937). Also American Journal of Roentgenology and Radium Therapy <u>39</u> , 295 (1938).		
Radium Protection (Revision of old Handbook 18). (April, 1938).-----H23 Also Radiology <u>31</u> , 481 (1938).	H23	5c
International recommendations for X-ray and Radium Protection, Radiology <u>30</u> , 511 (1938). Also American Journal of Roentgenology and Radium Therapy <u>40</u> , 134 (1938).		
Measurement of supervoltage X-ray with the free air ionization chambers. Lauriston S. Taylor, George Singer and Arvid A. Charlton. J. Research NBS <u>21</u> , 19 (1938).-----RP1111 Also American Journal of Roentgenology and Radium Therapy <u>41</u> , 256 (1939).	RP1111	10c
Concrete as a protective material against high voltage X-rays. G. Singer, Lauriston S. Taylor and Arvid L. Charlton. J. Research NBS <u>21</u> , 783 (1938).-----RP1155 Also Radiology, <u>33</u> 68-76 (1939).	RP1155	5c
The Economic Features of X-ray Protection. Lauriston S. Taylor. Also Radiology <u>34</u> , 425-437 (1940).		
Industrial X-ray Protection. Bulletin. American Society for Testing Materials, No. 99, p 23 (August, 1939).		
Measurement, in Roentgens, of the gamma radiation from radium by the free-air ionization chamber. Lauriston S. Taylor and George Singer. J. Research NBS, <u>24</u> , 247 (1940).-----RP1283 Also American J. Roentgenology.	RP1283	5c
Report of Standardization Committee Radiological Society of North America.		

