

bullet speed through the yarn, which is fed out of the large cylindrical warp. The filler yarn is cut off after each pass or "pick," so that separate picks in the cloth are not connected with each other. The selvage, which may be either "tucked" or "twisted," is woven by means of special devices. Cloth of higher quality, with fewer imperfections, is produced at definitely higher volume than is possible on the conventional loom.

W. M. Welch Manufacturing Company (Booths 425 and 427). On display will be laboratory instruments including: vacuum pumps, electrical measuring instruments, balances; charts for biology, physiology, organic chemistry, and atomic size ranges; spectrometer; vacuum gauge; new e/m apparatus; teaching models of radio-receiving, radio-transmitting, cathode-ray tube, triode tube; atomic structure models; a new oscilloscope for electrocardiogram analysis.

John Wiley & Sons, Inc. (Booths 106 and 108). John Wiley & Sons, Inc., New York scientific and technical book publishers, will display in Booths 106 and 108 a com-

prehensive collection of recent and standard works in various fields of pure and applied science. Stress will naturally be placed on 1950 books, but Wiley plans to show a full range of titles that have earned recognition as outstanding contributions to their particular field. Many of these will be found in entirely rewritten, revised editions. Among the new books will be titles in the "Biochemical Preparations Series," the "Biological Research Series," Wiley publications in statistics, and recent Methuen Monographs on Biochemical, Biological, and Physical subjects. Wiley's many fields of publication include aeronautics, agriculture, the biological sciences, chemistry, education, the earth sciences, mathematics, mechanical and electrical engineering, public health, physics, psychology, sociology, and business. A display of the Wiley visual aids equipment will also be included in the exhibit. The Wiley representatives in Booths 106 and 108 cordially invite all guests at the convention to stop by their booth, and examine and discuss their entire line of technical publications.

Scientific Book Register

De Re Metallica. Reprint. Georgius Agricola; trans. from the first Latin edition of 1556 by Herbert Clark Hoover and Lou Henry Hoover. New York: Dover, 1950. 638 pp. \$10.00.

The Transmission of Nerve Impulses at Neuroeffector Junctions and Peripheral Synapses. Arturo Rosenblueth. Cambridge, Mass.: Technology Press, M.I.T.; New York: Wiley, 1950. 325 pp. \$6.00.

The Mathematical Theory of Plasticity. R. Hill. New York: Oxford Univ. Press, 1950. 356 pp. \$7.00.

Grundriss zu einer Balneobiologie der Thermen. Vale Vouk. Basle, Switzerland: Verlag Birkhäuser, 1950. 88 pp. Swiss fr. 11.50 bound; 8.50 paper.

Transactions of the International Astronomical Union, Vol. VII. Seventh general assembly held at Zurich, August 11 to August 18, 1948. J. H. Oort, Ed. New York: Cambridge Univ. Press, 1950. 552 pp. \$7.50.

Genes, Plants and People: Essays on Genetics. C. D. Darlington and K. Mather. Philadelphia: Blakiston, 1950. 187 pp. \$4.00.

Pelagic Tunicates of Australia. Harold Thompson. Melbourne, Australia: Commonwealth Council for Scientific and Industrial Research, 1948. 196 pp. and 75 plates.

Seven Science Fiction Novels of H. G. Wells. New York: Dover, 1950. 1,015 pp. \$3.95.

Laboratory Manual for General Botany. Wilson N. Stewart, Harry J. Fuller, and Oswald Tippo. New York: Holt, 1950. 62 pp.; 9 plates. \$1.25.

Chemical Kinetics. Keith J. Laidler. New York: McGraw-Hill, 1950. 408 pp. \$5.50.

Charles Darwin's Autobiography. With an introductory essay by George Gaylord Simpson. New York: Schuman, 1950. 266 pp. \$3.50.

Ionization Chambers and Counters. D. H. Wilkinson. New York: Cambridge Univ. Press, 1950. 266 pp. \$4.50.

Table of the Bessel Functions $Y_0(z)$ and $Y_1(z)$ for Complex Arguments. Prepared by the Computation Laboratory, National Bureau of Standards. New York: Columbia Univ. Press, 1950. 427 pp. \$7.50.

Childhood and Society. Erik H. Erikson. New York: Norton, 1950. 397 pp. \$4.00.

The Location of Critical Points of Analytic and Harmonic Functions. J. L. Walsh. New York: American Mathematical Society, 1950. 384 pp. \$6.00.

Security, Loyalty, and Science. Walter Gellhorn. Ithaca, N. Y.: Cornell Univ. Press, 1950. 300 pp. \$3.00.

Contributions to Mathematical Statistics. R. A. Fisher. New York: Wiley; London: Chapman & Hall, 1950. 43 papers. \$7.50.

The Properties of Asphaltic Bitumen. J. Ph. Pfeiffer, Ed. New York: Elsevier, 1950. 285 pp. \$6.00.

A Laboratory Manual for Geology: Physical Geology, Part I. Kirtley F. Mather, Chalmer J. Roy, and Lincoln R. Thiesmeyer. New York: Appleton-Century-Crofts, 1950. 87 pp. and worksheets. \$2.75.

Methods of Tissue Culture. 2nd ed. Raymond C. Parker. New York: Hoeber, 1950. 294 pp. \$7.50.

Treatise on Powder Metallurgy: Applied and Physical Metallurgy, Vol. II. Claus G. Goetzl. New York: Interscience, 1950. 910 pp. \$18.00.

Functional Anatomy of the Vertebrates. Daniel P. Quiring. New York: McGraw-Hill, 1950. 624 pp. \$5.50.

Theory of the Interior Ballistics of Guns. J. Corner. New York: Wiley; London: Chapman & Hall, 1950. 443 pp. \$8.00.