SINGLE-SIDEBAND COMMUNICATIONS HANDBOOK —Harry D. Hootan—Sams (Bobbs), 286 p., illus., \$6.95. Reference text on principles and circuitry, for the amateur radio enthusiast.

TRIANGLES: Getting Ready for Trigonometry —Henry M. Neely—Crowell, 114 p., illus. by George Giusti, \$2.75. For young people.

UNCERTAINTY AND STRUCTURE AS PSYCHOLOGI-CAL CONCEPTS—Wendell R. Garner—Wiley, 369 p., \$8.95. Utilizes the mathematics of information theory to develop concepts and analyze psychological problems.

UNITED STATES AIRCRAFT, MISSILES AND SPACECRAFT, 1962—Nat. Aviation Educ. Council, 160 p., illus., paper, \$1.50. Depicts and gives general specifications of aircraft and missiles in production.

USE AND ABUSE OF STATISTICS—W. J. Reichmann—Oxford Univ. Press, 336 p., diagrams, \$5. Designed to familiarize the general reader with statistics, how they may be used and how they should not be used.

THE VALIDATION OF SCIENTIFIC THEORIES— Philipp G. Frank, Ed.—*Collier*, 220 p., paper, 95¢. Reprint (1956).

VECTOR MECHANICS FOR ENGINEERS, Part II: Dynamics—Harry R. Nara, Ed.—Wiley, 434 p., diagrams, \$6.50. Designed for first undergraduate course in dynamics for engineers.

THE WORLD OF CARBON—Isaac Asimov— Collier, rev. ed., 158 p., paper, 95¢. First published in 1958.

THE WORLD OF ELI WHITNEY—Jeannette Mirsky and Allan Nevins—*Collier*, 350 p., paper, 95¢. Reprint (1952).

THE WORLD OF NITROGEN—Isaac Asimov— Collier, rev. ed., 155 p., paper, 95¢. First published in 1958.

YANKEE SCIENCE IN THE MAKING—Dirk J. Struik—Collier, rev. ed., 544 p., paper, \$1.50. First published 1948.

YOU CAN PREVENT ILLNESS—Edward R. Pinckney—*Collier*, 157 p., paper, 95¢. Reprint (1960).

YOUR BIOLOGY—Ella Thea Smith and Lorenzo Lisonbee—Harcourt, 2nd ed., 472 p., illus., \$5.04. Eighth grade level, with many illustrations.

Science News Letter, 81:284 May 5, 1962

## GENERAL SCIENCE

## Mud Pies to Silt, Study Course of Young Scientist

► AT THE AGE of five, Minette Frizzell of Oklahoma City first became interested in science when she made mud pies around the shale shaker of her father's oil wells instead of the ordinarily preferred backyard location.

Now 18, Minette won in the Oklahoma City Science Fair with "A Study of the Verdigris River Sediment" and will vie for international honors at the National Science Fair-International, to be held May 2-5 this year in connection with the Seattle World's Fair.

Minette collected samples from 11 different locations between the headwaters and mouth of the Verdigris River, a distance of more than 350 miles, to note any downstream changes in the sediment.

She analyzed the texture with the aid of histograms and curves. Percentages and types of composition were established for each size range in each sample by use of a binocular microscope and standard laboratory tests.

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