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Report # 7A

RELIABILITY OF ^{AGCT} 10 1 .

1941

The split-half method was used on 639 cases. The Pearson Product Moment correlation between scores on odd and even items is .948. The Spearman-Brown formula applied to .948 gives an estimated full-length reliability of .972.

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Estimation of AGCT I.

GA

003650 Gm

0.974

RELIABILITY OF 12 PART SCORES

Sample Used	Arithmetic	Vocabulary	Block-Counting	Total Test
434 Cases, Chanute Field *	.690	.634	.711	.897
653 Cases, Selected Stations**	.886	.883	.846	.943

- * Student airplane mechanics
- ** Consists of 217 cases used in the Chanute Field Alpha Study, October 1940; and 436 cases from Fort Benning and Fort Slocum. A sample practically equivalent to this was used for computation of total test reliability by the split half method. The resulting coefficient stepped up by the Spearman-Brown formula for prediction of reliability of a full-length test, was .972.

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