SIMPLE TESTS FOR MEASURING INTELLIGENCE

Prof. Book Explains How First Grade School Pupils Are Put Through.

8 MINUTES IS ALLOTED

This is the second of a series of articles on the intelligence tests used in the schools of Indiana and other States under the direction of Indiana University.

By PROF. W. F. BOOK,
Head of Psychology Department Indiana University.

In applying the Indiana intelligence tests to gauge native ability, school pupils from the first grade to high school seniors are given the tests—the subject varying with the grades. Naturally, the tests for the first-grade pupils will seem easy and simple to the parents of school children, but these tests were compiled with a view toward finding the ability of the first-grade pupils to recognize words when the words are mixed with combinations of letters having no meaning.

This example from the first-grade reading vocabulary will illustrate the best qualities the first-grade pupils display when they successfully pass the test. The example:

rint, cow, cux, chal, rust.

In this example cow is the word hidden among the meaningless combinations of letters. Another example:

sutr, els, tine, tml, heal.

The third combination of letters spelling time is the correct word in that example. There are twenty-seven different examples, each one containing a word which should be in the vocabulary of the first-grade pupils. In scoring this test the pupil correctly answering each example receives twenty-two points, these points applying in determining the possible points out of 100 in the various tests for first-grade pupils.

Eight minutes is alloted the pupils for the test and at no time does the teacher giving the test answer any of the examples, but they may, however, begin the test with an illustration of a similar example, but not one that is in the list. To prevent a pupil from merely marking the second or third word in each line the test is so arranged that the correct words do not appear in the same position in any two lines, one time it is the first word, a second time the third or fourth word, and the position varies in each example.

In one survey already conducted it was found that pupils in the same locality or even the same township vary tremendoxaly. It would clearly be unjust to both pupils and teachers to expect the same quality or amount of school work from classes which differ so widely in native mental endowment.

For pupils in grades ranging from second to fourth grades the Indiana Intelligence tests include examinations to determine verbal ingenuity, logical judgment arithmetical ingenuity and moral judgment.

In testing verbal ingenuity a list of twenty-five examples are set out. In each example there are words which make a correct sentence and a word that has no relation to the thought of the sentence. The words forming the sentence are not in proper order, often the verb is first, then the subject and object of the sentence following. Other times the object leads and various similar combinations are used in order to vary the style of examples and test of ingenuity of the pupils.

This is an example of one of the sentences:

The cat at see.

In that example the word "at" in the unrelated word and when it is crossed out the sentence, "See the cat" can be formed.

Another example is :

My suit dollars wear twenty new cost.

The word "wear" is the unrelated word and when it is crossed out the sentence "My new suit cost twenty dollars," can be formed. Other examples contain as high as fourteen words in them and one of the words bear no relation to the test matter of the sentence.

For the logical judgement there are a series of words and one of the words bears no relation to the others. For example:

Beef, lamb, bread, mutton, pork.

In this series of words "bread" is the unrelated word. There are twenty-four similar series of words, each having an unrelated word. To test arithmetical ingenuity there are twenty-five examples—each one a series of numbers. In one series all the numbers are odd excepting one of the numbers which is even. The pupils cross out the even number. Another example has even numbers with an odd number. Other examples have numbers in which the difference between each is two points—with the exception of one number that it not in that ratio. This number is stricken out. Some series are a multiple of two, others a multiple of five, each has an improper number which the pupils strikes out.

Moral judgment is gauged by a series of words such as justice, fairness, shrewdness, honesty, trickery. Another example has the words patriotism, disloyalty, double-dealing, treason, fraud. In that example treason is the worst. There are twenty-five similar examples. In each of these tests the student is given five minutes for each examination. My next article will deal with tests for pupils from fifth to eighth grade.

Shelbyville Citizen, 101, Is Seriously Ill

SHELBYVILLE, Ind., June 2.—Mrs. Minerva Thompson, one of the oldest residents in Indiana, who recently celebrated her 101st, birthday, is critically ill at her home in Waldron. Although having passed the century mark, Mrs. Thompson's health and vitality have been excellent until today.

NOT SO BAD! NOT SO BAD!

TERRE HAUTE, Ind., June 2.—Two thousand local railroaders will be affected by the 12 per cent wage cut, announced Tuesday.

Local railroad men have refused to make any public statements regarding whether they are satisfied with the proposal, stating that it would be left with the national officers of the railroad unions. Most of the men stated that the cut was "not so bad," as they expected a 20 per cent cut.

Dance O. K., but— Ah, the-er-Clothes

KOKOMO, Ind., June 2.—Dora Brozier, Marion, applies for a divorce in the Tilebton Reynolds $10,000 damage suit for alienating the affections of her son, Frank Reynolds, husband of the plaintiff, testified today she objected to a dance in her own home in the presence of gentlemen visitors, when Mrs. Reynolds wore only a house dress, and kicked high. Mrs. Reynolds said her advice to her daughter-in-law shortly afterwards was to wear bloomers at least.

Mrs. Brozier is one of Marion's wealthy women.

Charges Big Bribe Offer to American in Mexico Election

MEXICO CITY, June 2.—Alleged letters offering a huge bribe to an American Army officer to obtain support from the United States Government for the candidacy of Alfredo Robles Dominguez for president, were made public by President Obregon today. The letters from Dominguez to Col. Robert M. Campbell, former military attache here, offered Campbell $2,500,000 to obtain support for the former's candidacy to succeed General Carranza.

Mominguez, said to be in Washington now, opposing the Obregon administration, was Obregon's opponent at the elections.

'SILENT COPS,' BLINKS, SIGNS CONFUSE MANY

(Continued From Page One.)

tain streets or boulevards as preferential traffic streets, and prescribe rules regulating traffic upon, crossing over, or turning into such streets or boulevards. Provided, further, that like specifications regulating traffic may be enforced at points where traffic officers are stationed.

Since Indianapolis in its traffic ordinances already has designated "certain streets or boulevards as preferential traffic streets and prescribed rules regulating traffic there on," persons who have studied the new law say that it will not apply anywhere in Indianapolis, except possibly at the four Meridian street crossings. The "right of way to the right" rule applies, at these points, not because of the new law, they say, but because the city traffic ordinance provides in subdivision "d" of Section 4:

"At street intersections where silent policemen are placed, such vehicles entering such intersections shall not cross the center of such intersecting street, if at such time another vehicle is approaching from its right and about to cross its path, and is at a point within three (3) feet of such intersection. Such vehicle at the right shall have the right of way over such other vehicle."

The traffic ordinance in substitutions "b" and "c" of Section 4 establish specific rights of way on every street in Indianapolis as follows:

"(b) Traffic on north and south streets shall have the right of way over traffic on all east and west streets, except on Washington street, and all boulevards as established by the common council and the department of park commissioners of such city. Traffic on Massachusetts, Indiana, Kentucky and Virginia avenues shall have the right of way over all traffic on other streets.

"(c) On East New York street from the Big Four Railroad tracks to Emerson avenue, east and west traffic shall have the right of way over north and south traffic."

Motorists who have studied conditions at the four Meridian street crossings where the safety devices have been placed, contend that the signs, "Slow; driver approaching from the right has right of way," are having a bad effect because they are tending to teach drivers that the car to the right has the right of way all over the city, when such is not the case at all.

CONTUSIONS OUTCOME.

With part of the motorists believing the traffic regulations to be one way and the reminder thinking differently, dangerous confusion will arise. It therefore is being widely said, and has been brought to the attention of the board of safety, that if the warning signs are to be left up at all, they should not bear any reference to right of way, but rather should have on them only a simple admonition to "Go slow."

Another condition which adds to the confusion of those who are honestly trying to understand and abide by the traffic rules is the fact that the "silent cops" and "mushroom lights" are not always in working order. For instance, the "mushroom light" at Sixteenth street was not burning last evening, during the hours when the greatest afterdinner motor rush is on, but was burning at 8 a. m.

Adler-i-ka Helps in 1 Hour

"I was troubled with constipation and gas on the stomach for five years. One hour after taking Adler-i-ka I noticed an improvement. It is a wonderful medicine." (Signed) C. Calpha.

Adler-i-ka acts on BOTH upper and lower bowel, removing foul matter which poisoned stomach. Brings out all gases, relieving pressure on heart and other organs. EXCELLENT for gas on the stomach or sour stomach. Removes surprising amount of foul, decaying matter which nothing else can dislodge. Tends to CURE constipation and prevent appendicitis. H. J. Huder, druggist, Washington and Pennsylvania Sts.—Advertisement.

All Run Down Now Feels Fine

Eatonic Ended His Troubles

"Eatonic is the only thing I have found to stop my heartburn and I think it has been a great help in nervous spells," writes G. J. Johnson.

An upset stomach may cause lots of suffering all over the body. Eatonic helps in such cases by removing the cause of the misery, because it takes up and carries out the excess acid and gases and keeps the digestive organs in natural working order. A tablet after meals is all you need. Big box costs only a trifle with druggist's guarantee.

Healthy Liver Healthy Life

Your liver—healthy or clogged, active or sluggish—makes all the difference between a vigorous, cheerful life and low spirits and indigestion.

To subdue a stubborn liver, overcome constipation, dizziness, biliousness, indigestion, headache and the blues there is nothing on earth so good as Carter's Little Liver Pills. Purely vegetable.

CARTER'S LITTLE LIVER PILLS

Small Pill—Small Dose—Small Price

SAYS ECONOMICAL RETREAT NO ROUT

Bolshevist Trade Envoy Explains Russ Situation.

LONDON, June 2.—The communists controlling Russia have retreated economically, but they have not been routed, declared Leonid Krassin, Bolshevist trade envoy, in a statement here today explaining the new soviet policy. Krassin, who has just returned from Moscow, where the Communist party indorsed Lenin's new program, said that this "action does not mean that Russia will "become capitalistic."

"Industrial reconstruction is going forward in Russia," said Krassin. "Food is still the great problem. The failure of last year's harvests, owing to drought, brought about a terrible shortage. We still have some months to go before the new crop is in. Good rains have fallen lately and the prospect is much better. What Russia wants more than anything else is two or three good harvests.

"As regards any re-establishment of capitalism in Russia, our new peasant policy is a retreat economically, but it is not a rout. Our foreign trade relations must mean a certain amount of compromise, but that does not mean that we have ceased to be Communists or that Russia is going to turn into a capitalistic state.

"Remember, we said at the very beginning that unless the Russian revolution was followed by an European revolution, Russia must compromise to some extent for a time."

Wants to See Ring; She's Still Looking

CHICAGO, June 2.—Oh, what a wonderful diamond ring, let me see it."

C. R. Reilly, Minneapolis, fell for the old stall by a girl he didn't know. He reported the loss of his $1,800 ring to police.

Three male members of the party were arrested and held pending search for the girl who vanished with the sparkler.

3 Suffer Injuries in Highway Crash

Special to The Times.

COLUMBUS, Ind., June 2—An automobile driven by Louis Denser of Indianapolis struck and severely injured Mr. and Mrs. Carl Wagner and their small daughter, of this city, near Taylorsville, yesterday. Mr. Wagner, with his wife and child, were riding on a motorcycle and side-car when struck by the machine. The flesh was torn from one side of Mr. Wagner's face and a long gash was cut in his forehead. His wife and child received severe cuts and bruises.

Shelby County Wheat Promises Fair Yield

Special to The Times.

SHELBYVILLE, Ind., June 2—Shelby County wheat conditions are favorable for a good crop, according to statements made by H. R. Painter, United States entomologist, and Dr. C. V. Gregory of Purdue University, who are here on trips of inspection over the wheat fields of the county.

Mr. Painter completed a check on the sowing of wheat on an experimental plot at the Yarling farm, south of this city, while Dr. Gregory inspected the fields of hot water treated wheat that had been sown in effort to eradicate smut.

Wayne County Farm Feud Aired at Trial

Special to The Times.

RICHMOND, Ind., June 2—The State was to conclude its evidence today in the trial of Horace Miller of Dublin, who is charged with assault and battery with intent to murder Charles Hiatt, retired farmer, who lives on an adjoining farm. Miller is charged with shooting at Hiatt with a shotgun Jan. 6. Hiatt claims he was repairing a drain that runs through the land of Miller, as was his custom. He alleges Miller appeared, making his presence known by firing a gun. He states that Miller ordered him off the ground and shot again, hitting him on the nose, in the ear, and perforating his hat.