

QUEST TRADITION FROM TEACHING OF ARITHMETIC

Committee Suggests Time on Simpler Exercises and Work in South Bend Schools Will Follow This Report.

After five months of careful investigation and study of methods of teaching arithmetic as employed in South Bend schools and those suggested by various authorities of repute, a committee of nine appointed by Supt. L. J. Montgomery, Thursday submitted its report of its findings accompanying it with suggestions for a revised course of study. Concise and concise and brilliant language the report is an exhaustive survey of the current methods employed, in which both the psychological and practical tendencies are fully discussed.

"Reform in school arithmetic," says the committee, "aims mainly at economy and socialization; at a lower time cost and a more marketable product."

Socialization, it continues, means the adapting of arithmetic to general social needs and the elimination from its content topics and processes that are obsolete, unduly complex and of special application only. In short it has been found too much time is expended on such topics as alligation, furlong, quarter, progression, apothecary's weight, compound proportion, surveyor's tables, cube root, trigonometry, etc. Therefore, it is pointed out, simplification of the course is necessary and the elimination of all those topics that are designated as "artificial."

"Developing and fixing arithmetical operations through the use of simple, practical exercises will produce far more reliable habits than the expenditure of much time in the solution of what is unnaturally long or complicated," says the committee.

Traditions Give Way.

Topics and processes whose only support is tradition must go, is the new slogan, continues the report. It holds that the elementary teaching of arithmetic must be conserved in the pupil of common needs. "The pupil must learn to make use of the arithmetic tool for the comprehension of his small world, for the gradual comprehension of a broader world, and for the computation of his daily experiences necessary," is the summing up of the committee regarding the simplification of the course.

The committee does not coincide with the current belief that the essentials in elementary arithmetic should be mastered in three or four years; it may be possible, says the report, but not expedient. Arithmetical fact must be associated with habits, it says, and these do not become properly fixed in much less time than the elementary school years provide. So the committee would allow six or seven years in which to master the elements and permit diversification in the seventh and eighth years to fit individual mental trouble in the early stages is believed due to methods of instruction. Child nature must be reckoned with. The natural passion of the six-year-old for knowing the "how much," the "how big," the "how long," etc., must be considered. "A wise utilization of his innate sense of rhythm, love of repetition and desire to measure will bring him, before the end of his primary days, to truer concepts than a former generation ever had," believes the committee.

Suggests Time Required.

At this point in the committee's report is given a table which recommends the time limit believed necessary for each grade in arithmetic recitation. For the first grade 75 minutes per week is advised; for the second grade, 100 minutes; the third, 125; the fourth, 150; the fifth, 175; and the sixth, 150; and the eighth, 175. It follows with a recommendation of the distribution of arithmetical fact and material through the various grades.

Changes in method of instruction are said to be due to advance in educational psychology and the demand of the public for practical ability in arithmetical fundamentals. The psychology of the problem has found that arithmetic can be made as fascinating to the child as dramatic reading, rhymes, games, etc. "Conservation of the child's interest and not the development of automatic ability is to be regarded as the aim in the early grades," says the committee.

Inductive methods of instruction are urged. To quote the report: "A teacher ought not to find it necessary to tell a pupil a number fact, show him a relation, or explain a problem. Her work consists in making the conditions which lead to the discovery of the fact, and which shall make clear the conditions. In order to instruct in this way a teacher must be fully alive to the continuity of the subject. We are having less and less of the teaching of isolated topics in arithmetic. It is too thoroughly unscientific and wasteful."

Attention is called to the scientific measurement of results and establishment of standards. With this at hand it is pointed out a teacher can claim a more professional attitude to her work. She will have a sense of importance and security hitherto denied her.

Two Aims of Study.

Under a sub-head of "Aims" the report then states that the two aims in teaching arithmetic are first, for speed and accuracy in number manipulation and second, the intelligent and independent application of the pupil's acquired skill. The report finds that the world of affairs states too many young people come out of school unable to perform simple arithmetical operations with any degree of speed and accuracy. In view of this the committee urges the attention of teachers to this cry as well as to the intelligent and independent application.

Supplementing its findings the committee submits a detailed course of study in arithmetic for each grade which it believes corresponds to its ideals. It covers all grades from the kindergarten to the eighth inclusive. Billing is 26 closely typewritten pages.

The report of the committee will be carefully considered by Supt. Montgomery and used as a basis of teaching arithmetic at the opening of the 1915-1916 school year.

The committee consisted of the following: Miss Ella Riemann, Miss Evelyn Harsch, Miss Janet Munro, Miss Helen Ayres, Mrs. Nina Doolittle, Miss Florence Porcher, Miss Edith Flery, Miss Vera Rooney and Asst. Supt. M. H. Willing.

ELECT TWO DIRECTORS

Credit Men Plan to Open Office in This City.

At a meeting of the South Bend association of Credit Men held Wednesday night at the Citizens' National bank, C. A. Loring of the Mishawaka Woolen Mfg. Co. and W. Leighton of Armour & Co. were elected directors. Arrangements were completed for the establishment of a credit exchange and adjustment bureau to be located in a new town office. This is to be opened in the near future and for the extensive use of members of the association.

A membership committee was appointed with a view to getting all jobbers, bankers and manufacturers in this locality in the association.

EIGHT STATE OFFICIALS COMING TO PICNIC

Dale Crittenger Writes That Indianapolis Delegation Will Arrive at 12:35.

That the democratic picnic to be given Saturday at Springbrook park by the Wilson club, will not want for leading lights to make it a success, was assured Thursday when a letter was received from Dale Crittenger, auditor of state, accepting an invitation to be present.

In addition to Crittenger seven other state officials will be present. They are: Homer L. Cook, secretary of state; C. A. Greenhouse, state superintendent of public instruction; George A. Bittler, state treasurer; R. M. Milburn, attorney general; J. H. Fry, deputy auditor of state, and Judges Moran and Shea of the appellate court.

Crittenger stated in his letter that the officials will come in a body, leaving Indianapolis Saturday morning at 7 o'clock and will arrive here at 12:35 o'clock over the Vandalia.

The party will be met by a delegation from the Wilson club and escorted to the picnic grounds.

DEATHS.

MRS. JAMES WALTON.

Mrs. James Walton, 70, died Wednesday evening at 7:30 o'clock at the home of her sister, Mrs. Mary McCouagh, 515 S. Eddy st. Mrs. Walton had been ill four weeks with heart trouble. She was the widow of the late W. L. Walton, who died a few months ago. Mrs. Walton was born in Mishawaka Nov. 24, 1844, and lived all her life in this vicinity. She is survived by her sister, Mrs. McCouagh, and her nephew, Edward McCouagh.

SAYS WIFE DESERTED HIM.

Michael Quier, fireman at the Mishawaka hotel, petitioned the superior court Thursday morning to grant him a divorce from Belle S. Quier, who, he says, deserted him after they had been married for 16 years. The petitioner alleges that his wife left with one Samuel Flowers.

MANY ATTEND PICNIC

Four Carloads of Picnickers Go to Berrien Springs Thursday.

Four cars loaded with members of the Indiana & Michigan Electric club left Thursday morning at 9 o'clock for Chapin lake at Berrien Springs to attend the annual picnic of the club. One of the cars came from Elkhart. The party planned on arriving in South Bend on the return trip at 9 o'clock Thursday night.

The first event of the day at the lake was an indoor baseball game between two club teams. Dinner was served at noon and this was followed by a baseball game between South Bend and Elkhart employees of the electric company. Later in the afternoon a variety of athletic events were held and in the evening dancing was enjoyed at the lake pavilion.

MARKETS

UNION STOCK YARDS.

ENION STOCK YARDS, Ill., June 24.—HOGS—Receipts 20,000; market steady 56¢ higher; mixed and butchers \$7.25@8.00; good heavy \$7.30@7.50; rough heavy \$7.10@7.25; light \$7.40@7.50; pigs \$6.75@7.25; bulk \$7.40@7.70.

CATTLE—Receipts 4,000; market strong; beefs \$7.40@7.70; cows and heifers \$3.50@6.75; Texas \$7.25@7.50; calves \$8.50@9.75.

SHEEP—Receipts 3,000; market steady; native and western \$4.00@4.10; lambs \$7.15@7.10.

EAST BUFFALO LIVE STOCK.

CATTLE—Receipts 50 head; market active and steady; prime steers \$9@9.50; butcher grades \$6.50@6.75.

HOGS—Receipts 100 head; market active; cull to choice \$5@10.50.

SHEEP AND LAMBS—Receipts 400 head; market active; choice lambs \$10@10.25; cull to fair \$7@7.75; yearlings \$7@8; sheep \$6@6.50.

HOGS—Receipts 1,250; market active; Yorkers \$8.10@8.30; mixed \$8.50@8.75; heavy \$7.50@8; roughs \$6.50@6.65; stags \$6@6.50.

PITTSBURGH LIVE STOCK.

PITTSBURGH Pa., June 24.—CATTLE—Supply light; market steady; choice \$10.25@10.50; prime \$9.50@9.75; fair \$8.50@8.75; mixed \$8.00@8.25; common \$6.50@6.75; common to good fat \$5.00@5.25; common to good fat cows \$3.50@3.75; heifers \$7@8; veal calves \$9@9.50; heavy and thin calves \$4@6.

SHEEP AND LAMBS—Supply light; market steady; prime wethers \$6.25@6.50; good mixed \$5.50@5.75; fair mixed \$5@5.25; culls and common \$2@2.50; spring lambs \$8@10.

HOGS—Receipts light; market higher; prime heavy hogs \$7.50; mediums \$7.50; heavy Yorkers \$7.50; roughs \$6.25@6.75; stags \$6.50@7; heavy mixed \$7.50.

CHICAGO GRAIN.

CHICAGO, June 24.—OPENING: WHEAT—July \$1.05@1.07; Sept. \$1.03@1.05; Dec. \$1.02@1.04.

CORN—July 77½@78; Sept. 77½@78; Oct. 77½@78.

OATS—July 44½@45; Sept. 44½@45; Oct. 44½@45.

RICE—Sept. \$10@10.50.

WHEAT—July \$1.03½; Sept. \$1.01.

CORN—July 77½; Sept. 77½.

OATS—July 44½; Sept. 44½.

RYE—July 83½; Sept. 83½.

LARD—July 83½; Sept. 83½.

RIBS—July \$10.32; Sept. \$10.02.

TOLEDO GRAIN.

TOLEDO, O., June 24.—CLOSE: WHEAT—Cash \$1.20; July \$1.04½; Sept. \$1.03½; Dec. \$1.03.

CORN—Cash 75½; July 75; Sept. 75½; Dec. 75½.

OATS—Cash 49½; July 45½; Sept. 39½; Dec. 39½.

RYE—No. 2, \$1.08.

CLOVER SEED—Prime, cash \$8.15; Oct. \$8.75; Dec. \$8.55.

ALSKE—Aug. \$8.75.

TIMOTHY—Price, cash \$3.25; Sept. \$3.50; Oct. \$3.35.

SOUTH BEND MARKETS

POULTRY AND MEATS.

(Corrected Daily by Jimmie's Market, 123 W. Jefferson Blvd.)

POULTRY—Paying 14, selling 20c. SPRINGERS—Paying 25, selling 40c. VEAL—Paying 15, selling 25c. BEEF—Round 25, rolling 12, porterhouse 25@30, sirloin 25c. HAM—Selling 18c. LARD—Selling 18c.

PROVISIONS.

(Corrected Daily by F. W. Mueller, 216 E. Jefferson Blvd.)

FRUIT—Oranges 25c@30c, selling 20c@25c; lemons, per case \$3.50, selling at 20c@25c; bananas, per bunch \$1.75, selling at 20c@25c per doz.

VEGETABLES—New cabbage, paying 25c per lb., selling at 5c per lb.; new potatoes, selling at 20c@25c per bush.

BUTTER A.—EGGS—Country butter, paying 20c@25c, selling 25c@30c; creamery butter, paying 25c, selling 30c; eggs, strictly fresh, paying 19, selling 24c.

SEEDS.

(Corrected Daily by Warner Bros. Seed Store, 114 E. Wayne St.)

TIMOTHY—\$2.50@3.00 per bu. RYBARS—100 lbs. at \$7@7.25.

ALFALFA—\$10.50@11. ALSIKE CLOVER—\$9@10.

FLOUR AND FEED.

(Corrected Daily by Knoblock and Ginz, Hydraulic Av.)

WHEAT—Paying \$1.10 per bu. OATS—Paying 52, selling 65c. CORN—Paying 75, selling 85c.

RYE—Paying 90c.

LIVE STOCK.

(Corrected Daily by Major Bros., 8 Logan St.)

HEAVY FAT STEERS—Fair to good 6@6½; prime 6½@7.

CATTLE—100 lbs. at \$7@7.25.

LAMBS—Live 6½@8½, dressed 15@17c.

HAY, STRAW AND FEED.

(Corrected Daily by the Wesley Miller Flour and Feed Co., 429 S. Michigan St.)

HAY—Paying \$12@14, selling \$10@12.

STRAW—Paying \$7@8, selling at \$9 and 50c per bale.

CORN—Paying 75, selling at \$5@5.50.

OATS—Paying 50, selling at 50c@55c.

CLOVER SEED—Selling at \$9.

ALSKE—Selling at \$10.

TIMOTHY—Selling at \$4.

ALFALFA—Montana grown, selling at \$10.75.

TALLOW AND HIDES.

(Corrected Daily by S. W. Lippman, 210 N. Main St.)

TALLOW—No. 1, 106½; rendered, No. 1, 46c; No. 2, 36c.

HIDES—Green, No. 1, 106½; calf skin 106½.

WRIGHT GETS DEGREE.

HARTFORD, Conn., June 23.—Orville Wright of Dayton, O., was given the degree of doctor of science at Trinity college today.

TOO LATE TO CLASSIFY.

FOR SALE—Dining room table, 1297 W. Washington av.

FOR SALE—1915 twin cylinder, three-speed, electric equipped Excelsior motorcycle with Pullman side car; run less than 200 miles; for \$285.00. At 739 Boline av. Saturday afternoon and Sunday forenoon. Good reason for selling.

Buy Stewart Mining

A Year's Dividends 32½% Will Earn 100%

A successful, producing Silver-Lead Mine

Price 2½

Write for Special letter

CLARENCE CONE & CO.

45 Broadway, New York

ROBERTSON BROS. CO.

GARMENT SECTION

Concerning Some of the Latest Arrivals in Women's

Mid-summer Frocks and Suits



Frocks of White Voiles at \$5.95

Embroidered Voiles, dainty and summery, and delightfully quaint as the period that inspired them—such are these frocks. Lace and net trimmings, long full chin chin pointed tunics, also tiered and plain, shirred at yoke, ribbon girdles, collars and vestees of lace.

Extra Stout Sizes at \$7.50

Embroidered voiles and allover embroideries, plain full skirts, dainty collars of lace and girdles of ribbon, sizes up to 50.

Palm Beach Suits at \$10 to \$15

Out of the ordinary both in value and variety. Palm Beach cloths, grey and checkered effects tailored in styles with belts and patch pockets.

Summer Skirts \$1.00 to \$6.00

Sweaters

For outing, tennis or golf, all wool at \$2.98; fibre silk at \$3.95. Colors are green, old rose, purple, Copen and black and white.

Many smart models, cut on correct lines, and will hold their shape after laundering.

Skirts of White Pique at \$1.00. Gabardine and Fancy White Materials \$2.50 to \$4.50.

More Taffeta Skirts \$5.95

We have added to our large showing several new models in fine black taffetas and checked silks.



SOUTH BEND'S GREATEST BARGAIN GIVERS

ECONOMY DEPARTMENTS

219-221 SO. MICHIGAN ST.

SECOND FLOOR—IN CONJUNCTION WITH THE INDEPENDENT STORES

Our Gigantic Out-Let Sale.

For Friday and Saturday Only

Greatest Men's, Women's and Child's Shoe Bargains in Town

250 Trimmed Hats

And the greatest values we ever had in our store at that. They are actually worth to \$4.50. We got them in an immense purchase. Your choice at

55c

500 Untrimmed Shapes

In fine hemp and chip straws and sell regularly at \$1.50. One of these shapes with a bunch of beautiful flowers for Friday and Saturday at

39c

37c — 37c — 37c — 37c — 37c

Ladies' Specials at Only

37c

Women's high grade corsets in the very latest models and worth 59c at 37c.

Women's beautiful corset covers, fine muslin gowns and pretty petticoats in values up to 65c at 37c.

One big lot of women's house dresses in lawns, percales, etc. Values up to \$1, to close out at 37c.

Two pieces of pure linen bleached table damask, values to 69c, at a yard only 37c.

These are beyond a doubt the most sensational bargains offered in the city for these two days.

37c — 37c — 37c — 37c — 37c

WE TRIM YOUR HAT FREE

A great collection of children's trimmed hats about 100 in the lot, all handsomely finished. Everybody can afford one. Worth to \$1.25.

19c 59c

And 75c is the special price of these new tam o'shanter caps for ladies of very fine velvet corduroy in a number of temptingly pretty styles.

Will buy a handsomely shaped Panama that will need very little trimming. Every one is a wonderful bargain, but you must hurry to get one.

\$1.00

Panamas extra special — sold regularly up to \$3.95. Come in a great variety of the season's finest styles. Friday and Saturday at

1.95

37c — 37c — 37c — 37c — 37c

Men's Specials at Only

37c

Men's work shirts in fancy and black sateen in sizes from 14½ to 19. Worth to 60c at only 37c.

Pure linen 4-ply Silver Brand collars in ½ dozen lots, no more or no less to one customer. Special 37c.

Your choice of any dress shirt in the house—but a few sizes are missing—values to \$1.50 at 37c.

Men's overalls in blue with white stripes. Have bibs and are of first class denim and worth 65c at 37c.

Men's work gloves, some with gauntlets, all first class hogskin, horsehide, etc. Worth up to \$1.25, greatest values ever offered at 37c.

37c — 37c — 37c — 37c — 37c