Printing, the Mother of Progress, Celebrates Its 500th Anniversary

the best available bridence, with the the fact that the processes were guarded Bay, The Whole Book of Psalmes, or as name of Johann Gutenberg, who lived carefully, and by the further fact that it is generally known, "The Bay Psalm in the cities of Mains and Strasbourg, on the death of Dritschn, his brothers, on the Rhine, during the first half of in 1539, brought suit to claim rights the fifteenth century. Other claims for Guntenberg's outfit-without success. the credit of the invention have been is one of the curious ironies of history Janszoon Coster, of Harlem, in Netherlands, but for which the evidence ed to one of Germany's national heroes" seems, in the most part, spurious. Block printing, that is printing from symbols carved in wood blocks, was known and practised much earlier, perhaps as early as the eighth century, in China.

Movable types of porcelain, wood and metal were used in China from 1041 onnot seem to have spread beyond ried castward at intervals through the centuries till it reached Western Europe | talents turned to mechanical rather than for a printing press in \1665; the Sulpicabout a thousand years later. By the financial achievement, he was obliged to lans in Montreal made the same reques were printing from wooden blocks, large to Johann Fust, a man of capital in 1683. In 1749, M. de la Galissionniero blocks on which a picture with a legend, Mainz, whither Guntenberg returned asked the Minister of Marine and Color perhaps the words of a much-used about 1448. With Fust was assetsted manuscript were cut in high relief, then a young technician named Peter Schoefinked and an impression taken on a fer, who later became his son-in-law afreet of vellum or paper. A number of and partner. Fust and Schoeffer were these sheets printed on one or both sides commercially minded and with the beneand fastened together, was called a block fit of Gutenberg's inventive genius they into use, when suddenly (for a decade the invention of typography, a Bible. is but an instant of time in the cultural This, the "Gutenberg," or "42-line Bible" history of man) between 1535 and 1545, was printed in 1282 large folio pages of some one invested and perfected a pro- two columns each, and with 42 lines to cess for making individual letters of the column. It bore no printer's name metal. These letters could be "com- por date but the work was completed posed" into words, printed then "dies

this laborious task, scribes were engaged loan. by families business firms, schools or ten by hand. The researches of scholars sign, in three glowing colors and perfect late, perlmps too late. The enormous ing House Craftsmen. volume of printed material which we now use in the ordinary and extraordinary occupations of every day should scarcely be taken for granted without a thought of how it has come to us. It is the product of the inventive genius and painstaking industry of man, of the relatively short period in the history of mankind, it is our inheritance to be cherished in further experimentation and development, and in use, to extend knowledge, the perception of beauty, and enjoyment of the comforts of modern

tributed" for further composition.

Johann Guntenberg, born about 1400. was a member of a patrician family in (1440). ~ Mainz connected with the metal-working trade. A serious conflict with certain Craft Guilds (the Trades' Unions of anical inventions, and from 1436 onward of the Hystoryes of Troye, a popular type, cut the metal patterns of type Westminster Abbey. So the story of matrices, and constructed a mould in Caxton died, Columbus discovered a new cheese, then adapted to making impres- America. sions from wood blocks. Now Guntenberg further adapted it to printing from New England, in 1638, to be set up by movable metal types. Probably associ- Stephen Daye and his two sons, at ated with Guntenberg, in some way, Cambridge, Massachusetts, under direcwas one. Andrew Dritschn, in whose tion of Harvard College, just then openhouse in Strasbourg the press was erected ing its doors. Daye's first substantial and the tool and equipment kept. That work appeared in 1640. It was a book

The invention of printing from movable | the invention was regarded as potentially | certain of sale among the Puritan setmetal types is associated, according to of great commercial value is shown by tiers in the Colony of Massachusetts that the records of this trial "foundaion stones in the edifice of fame erectshould have been destroyed when the The inventor continued improving his er's sudden death, and became Canada'

pieces. These were a Latin grammar. fragments, the odd page of these early perimental period Gutenberg cast a com-Block books were just coming produced the first great monument to some time before August, 1456, and by that time Fust & Schoeffer had eased Prior to the invention of printing. Gutenberg out of the enterprise, keeping books had to be written by hand. For his equipment, which had secured the

court officials. To own a book was a and from these, about 1460, was printed mark of distinction, and there would be another Bible, 36 lines to the page. Fust few families who would own more than & Schoeffer, in the meantime, had preone. The education of children from pared an edition of the Psalter, the most books was exceedingly limited, since beautiful work, it is said, ever printedeven the essential latin grammar and large pages of text in black and red. any other texts would have to be writ- with decorative capitals of intricate dehad to be copied and re-copied, with impression. This book bore the date, errors creeping into every copy. News 1457, with the printers' name and tradewas conveyed by word of mouth or by mark. Their mark of crossed shields written message, and sometimes, with has been perpetuated as the symbol of hazards of travel, it arrived garbled and the International Association of Print-

> Gutenberg's name never appeared upon any book printed from his types, and he died, an obscure figure, in 1468. But the brilliant achievements of typography in subsequent years have been the most gratifying eulogium an inentor would desire. And now, five undred years later, almost every coun-An accomplishment of a try in the world acclaims him as one of the greatest modern benefactors of

It has been stated that of all the world's inventors, two stand out preeminently in the advance of literature and education-Ts'al Lun, the inventor of paper (China, A.D. 105), and Gulenberg, the originator, of movable types

From Mainz, printing spread into Ituly, France, and the Netherlands. In 1474-76. William Caxton, an English those days) drove the family from Mainz, merchant, resident in the Low Countries; and in 1434 or earlier. Gutenberg was learned how to print and produced in working in the neighboring city of Stras- | his own English translation, the first bourg. He occupied himself with mech- book ever printed in English: Recuyell he was preoccupied with their application | classic tale of the fall of Troy. Soon He experimented with afterwards he returned to England with metals of different kinds of making printing types and set up shop near bodies with individual letter faces on printing in the English-speaking world the end. From the patterns he struck begins with Caxton. The year after which to cast accurate reproductions of continent across the Atlantic Ocean, and the types in large quantities. The prin- the first governor there, the Viceroy of ciple of the press had long been known New Spain, had a printing press brought and applied in the making of wine and to Mexico City, about 1535, the first in

The next one came from England to

valuable book ever printed on paper grandson. . Bartholemew brought a press to Hallfax, in 1751 Bartholemew's associate John Bushell carried on the work following the form

first printer and the founder of its first

newspaper, the Halifax Casette. So far as can be determined with any certainty, there was no printing in Quebec, nor Nouvelle France as 1 onies for the same privilege, but his re-

quest, like the others, was denied. After Nouvelle France--became th British colony of Quebec, in 1763, two young printers, employed in the office of William Dunlan, Benjamin Franklin's brother-in-law, in Philadelphia, ventured into Quebec and announced the publication of a weekly newspaper. Quebec Gazette, published in English and French in parallel columns, appeared first on June 21st, 1764, and continued with but two brief interruptions until 1874-a remarkable record for a pioneer nublishing firm. Brown and Gilmore printed many books in English or French both. In both they printed all the laws and government, publications. One

tions is a Canadian edition of the Stamp Act, dated Quebec, 1766. In the meantime Montreal had got its first printer. Fleur Mesplet, who arrived, also from Philadelphia, in 1776, and twelve years later launched the Montreal Gazette

ada was at Newark, now Ningara-onthe-lake, where, in 1793, Lieutenantization to distribute them, was probably the Ryerson Press, which developed from son founded to print that that famous had an issue of blood for twelve years old Methodist paper. The Christian (Luke 8: 43-48).

The first press west of Ontario was constructed at Norway House, in Manitoba about one hundred years ago-one of the most ingenious ever made. James Bay Co., which controlled the area, was Paul's second missionary journey. So he made what he required: type of first time indicates that up to now shows not letters of our alphabet, but tians as they were in Phyrygia where Cree syllabics which Evans himself in- Luke ministered to his ailments. books for the Indians.

one. The Colonist, still appears.

But, prior to 1865, printing was largely a hand craft. There were rather 4: 11a. crude power presses, for newspapers, but all type had to be set by hand. Presses for the production of commercial work 1812, with David Bruce, and lithographdeveloped in the second quarter of the ing, a process discovered by young Alois nineteenth century. The first rotary Senefelder, about 1800. Photoengraving press appeared in America in 1865. The (1880), and modern lithographic prolinotype machine, for casting and setting cesses, however, are quite recent developtype, was invented by Ottmar Mergen; ments. thaler in Battimore, 1885, and put into use the following year by the New York own story. Times. The Monotype machine, also The printing and publishing industry for type casting and setting, was invent- has so extended its services in the comed by Tolbert Lanston, in Washington. munity, that it occupies a place of prim-1887. From the primitive large thread arv importance in the economic life of screw press, operated by hand, there was the country. In Canada, in 1938 (latest made a faster screw press. Then oper- figures available) 2,273 printing, publishating levers replaced the screw, and iron ing and book-binding plants, representframes replaced the wooden frames, ing an investment of \$118,243,293, em-Horse power was added to man power: ployed 37,459 men and women, on a then mechanical power replaced the pay roll of \$50,564,938, with a gross vi horse. Stereotyping began as early as of production, totalling \$117,502,784.

The Sunday School Lesson"

LUKE AND HIS GOSPEL

thou mightest-know the certainty conintrusted. Luke 1: 3, 4,

Luke / Luke 1: 1-4.

Lesson Text .- Luke 1: 1-4: Acts 1: 1: Col. 4: 14; 2 Tim. 4: 11a. Exposition.-I. First Appearance of down for the contempt of the centuries

Tim. 4: 11; Phile. 24). The Pathers also to have been the most faithful. When record that Paul was Luke's instructor others forsook him Lake remained faithwave it his approval when finished. Some (2 Tim. 1: 15) Thaul writes, "This thou have conjectured that Luke was one of knowest, that he they which are in Asia the two disciples to whom Christ ap- be turned away from me . . . " It was peared on the way to Emmaus (Luke 24: therefore, a pathetic situation which is 13-32). Larke's gospel is written for described in 2 Tim. 4: 11a: "Only Larke the Greek (Gentile world) and in the is with me. . This would lead us to purest diction of all the four gospels. believe that Luke was a man of strong His aim was to show Jesus to the world loyalties whom the defections of other as the Son of man, the Friend of sinners could not affect the universal Saviour.

II. lake Writes Another Treatise. Acts 1: 1.

of Luke. The subject of the Gospel was subject of the Book of Acts is what Jesus continued to do and teach after His ascension. Just before His ascension Outenberg retained his earlier types of the most interesting of their produce Jesus and given the disciples commandment (Matt. 28: 19, 20; Mark 16: 15-19; Luke 24: 45-49; 10: 40-42). In the story recorded in the Acts, we see how the Holy Spirit Inspired the believers

> III. Luke, the Beloved Physician. The first printing done in Upper Can- | Col. 4: 14.

As a physician Luke dwells on th Colonel John Graves Stmcoe, the Lieu- | He writes, "And it came to pass on a tenant-Governor, set up a French Can- certain day, as He was teaching, that adian, Louis Roy, whom he had brought there were Pharisees and doctors of the with him from Quebec. Two pamphlets, law sitting by, which were come out of one entitled The Speech of His Excel- every town of Galilee, and Juden; and lency John Graves Simcoe, and the other | Jerusalem; and the power of the Lord The Acts of the Legislature of Upper was present to heal them" (Luke 5: 17). Canada, were printed by Roy early in He makes use of a similar emphasis in the year. The first newspaper was The the Book of Acts where he reports Upper Canada Gazette, which appeared Peter's sermon in the house of Cornelius on Aprail 18th, 1793. The first pub- (Acts 10: 38). It is buke who describes lishing house, in the modern sense diseases with professional accuracy and of the word, that is, an organization the healing power of Jesus in remedial which assumes the risk of publishing language (Luke 6: 19). Note how it is manuscripts, and sets up a sale organ- stated in this verse that "virtue" went out from our Lord "and healed them all." This is the same word used by the printing office which Egerton Ryer- Jesus when He healed thre woman who

It is evident that Paul enlisted Lacke in his company when they met at Troas (Acts 16: 9, 10). After Paul had received the vision of the man of Macedonia who asked him, "come over and Evans, a missionary to the Indians, help us" Luke records, "we endeavored wanted a printing outfit to further his to get into Macedonia, assuredly gatherreligious and educational work. He ing that the Lord had called us to couldn't import one, for the Hudson preach the Gospel unto them." This declined to undertake its transportation. The use of the pronoun "we" for the lead from tea boxes, cast in wooden Luke had not been with Paul. It is moulds which he cut for the purpose; probable that Paul with his infirmity ink, from chimney soot; for paper, birch- found the medical skill of Luke valubark. His press was the old fur press, able so it was appropriate that he should used in the Company's trading post, His refer to him as "the beloved physician" type is very interesting, for the face, when he wrote to the Colossian Chris-

vented, symbols by which he represented. It was in this long and intimate asthe sounds of the Cree dialect, and in sociation with Paul and under these which he printed spelling and hymn special circumstances that Luke learns more fully the healing ministry of Jesus. Local printing appeared on the West He is the writer who records the Naz-Coast in 1858, when the rush for gold areth declaration of Jesus (Luke 4: 18, was on. Four newspapers were started 19) quoted by Jesus from Isaiah 61: 1 in Victoria, within six months, of which Luke records the healing of lepers (Luke 5: 12, 13; 17: 1-19); the paralytic:-45; The invention of modern printing 18-26); the man with the withered hand machinery is a story in itself which can- (6: 6-11); the centurion's servant (7: not be told here. One rather astonishing 2-10); the raising of the widow's son fact is that no substantial changes in (7: 11-18); Jairus' daughter (8: 40-56); the original mechanical operations were the woman with an infirmity (13: 10made during the first four hundred years 17); the blind man of Jericho (18: 35after its invention. The manufacture 43): and numberless general healings. of printing machinery is comparatively Perhaps the most human and appealing recent in its history. It has now reach- of all Jesus' parables is that of the Good ed the stage of a large-scale industry Samaritan who is depicted as binding and printing machines are known to be wounds, pouring in oil and wine and both as precise and as complicated as caring for the man who fell among almost any modern industrial machin- thieves. A beautiful portrait of our Lord (Luke 10: 30-37).

IV. Luke Companion of Paul. 2 Tim.

The context of this verse contains dir-

Modern printing machinery tell its

fairs and at the first glimpse seems of The Canadian small import, but Paul's comments upon various persons are full of practical suggestions for us. Paul needed Tim-War Effort othy and-Timothy was to exert himself

ections in regard—to Paul's personal af-

useful servant of the Lord and had

toined with Paul in his greetings to the

saints in Colosse (Col. 4: 14), but 'th

love of the world had taken him from

his post of duty and Demas has com

had once been unfaithful and had los

his position of opportunity in compan

ionahin with Paul and Barnabas and has

Barnabas (Acts 16: 36-40). But Mark

Of all Paul's companions Lake seem

offer individuals and firms, which total

about \$1,050,000 at the present time

DONATIONS/HELP

in Montreal.

to get to him as quickly as possible. Demas is iteld up for all succeeding ages as a warning as one who had forsaken who had forsaken his post of duty out of love for this present world. There

Canada takes over six of the fift 2. Canadian forces on active service

butte home and overseas: Army, 161,000 Navy, 1,149; Air Force, 26,500. 3. Daylight Saving Time indefinitely xlended as war measure. Purpose: To

4. During the week ended September 7th. Munitions and Supp'y Department awarded 1,251 contracts, totalling \$5.

5 Subscriptions to Canada's second war loan totalled \$342,248,300 exceeded the objective by \$42,248,300.

0 Organization of Air Cadet Corps lines of army cadet corps in schools sixteen in the Royal Canadian At

7. Justice W. M Martin, Saskatchewan Appeal Court, appointed rentals administrator for the Wartime Prices and Trade Board.

time Prices and Trade Board, payging house rentals in certain designated areasat the levels of January 2nd, 1940. Ef feetive on and after October 1st, 1940. Unemployment Chairman Dr. Joseph Sirols, former SCIENTIFIC EFFORT Chairman Royal Commission on Domin Through the National Research Coun- ton-Provincial Relations cil, in Ottawa, Canada is carrying a Hobert J. Tallon, Secretary-Treasurer, large share of the Empire's scientific Trades and labor Congress of Canada

Samuel Bronfman and his three brothers kisses?

Claire Yes, but I don't like beggars .

Weekly Review of Developments Along the Home Front -September 12th-19th

September 19th-26th

American over-age destroyers transfer red to Great Britain in return for the and will be given names of rivers com-

8. Standstill order issued by the War 9. Commission appointed to administer

Enton Company and \$250,000 from begging you for a kiss Don't you lik

You Couldn't

Read This!

The 500th anniversary of the inven tion of printing by Johann Gutenberg is being celebrated during the present year of 1940, stimulated by the various trade associations and graphic arts

Printing has become as contmonulac in our lives as the rising and setting o the sun vet it plays a tremendous role n the lives of every one of us

You are awakened each morning b an alarm clock which undoubtedly has printed dial. You arise from bed and dress in clothes that were undoubtedly bought under the stimulous of printed advertisements. Your weekly newspaper was made possible by Cutenberg's invention of printing. The cereal on your breakfast table and the brand of coffe on drink were undoubtedly bengin be printed advertising. If you board train or ride a street car to work, you liand the conductor a printed ticket or transfer. And it is more than likely that the selection of car, if you drive to work, was determined by the state

Imagine what chaos there would be in any office or factory if every piece of printing used in industry and commesce were suddenly taken away Modlook upon as necessities, could never have become so widely publicized nor so highly developed, had_it_not bear for the service of the printing press.

The cost of enjoying these inventions has been constantly lowered because printed advertising has developed farflury markets and made mass production possible It is doubtful whether there would be automobiles, typewriters, airdanes, radios, or motion pictures in the present advanced state of their develop nent which we know today had it not been for printing. Every practical in vention has been dependent on printing to further its adoption and success

It is thus fitting that during the current year 1940 we alrould pay homage to Colemberg, the inventor of printing the man who gave mankind its cholcost gift Gutenberg's Invention has even made it possible for you to read this a simple task which few and have accomplished before the days of printing and rise of popular

1-lb. tin

eduration

CARROLES

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war against Pascist powers This work Alan M Mitchell, Chairman Rober

has been aided by donations from patri. Mitchell Co . Ltd . Montreal

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MAGIC

BAKING POWDER

Christie's Angel

Dole Pineapple

Habitant Pea

Christie's Chocolate

(Cash and 16-oz. 28c

CAKES .ach 20c

ROLLS such 20c

JUICE No. 2 tim 15c

4 tins 29°

COWAN'S COCOA . CHOCOLATE Rowntree's

COFFEE Maxwell 4 lbs. 25° STUFFED OLIVES

McLaren's (of Hamilton)

PEANUT BUTTER "- 21° TOMATO JUICE 26-01 80 LOBSTER tin 15c-27c PUFFED WHEAT - 6° Shirriff's Lushus Jelly Powders or SWEET MYSTERY 3 --- 19° Aylmer or Clark's PORK and BEANS 2 20- 17° QUAKER OATS 19°

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SPECIAL 1° SALE! New Glant PALMOLIVE]

SUPER SUDS . . . 18° All for 19.

TOMATOES No. 216 tin 11° JAR RUBBERS

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'a newspaper is to a community. The smaller the village, the more important the newspaper is in

its economic life. Its news, editorials, and feature stories focus the interest of surrounding territory on the village in which. the paper is published. This force and the force of advertisements by local merchants

build on ever-widening trade area. This means more business, a bigger Main Street, more money for schools, churches, and homes-a bigger and better village.

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We Are Trying to Make This Newspaper the Best Possible. Your Help and Suggestions Are Always Approciated

The Acton Free Press

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