# Development of Baby's Speech

Normal Child of One Year Can Say Five or Six Words

'A number of vocaularies of young children have been published, each word being recorded when first heard or at various intervals. Dr. Arnold Gesell, of Yale University. studied 50 babies 12 months old and 50 more 18 months old. He says:

"The median 12-month-old child not only can say dada and mama, or its equivalent, but has mastered at least three or four distinguishable words which he articulates with much precision."

445

beut

and

his

hita-

The other words most popular were bye-bye and baby. At 18 months, bye-bye, ta-ta, hello and how-do were most frequent. A study by M. E. Smith at the University of Iowa concludes that the words used most frequently up to and at the sixth year are: I, is, it, you, that, do, a, this, not, the.

HERE'S A CHART Many children lave not begun to talk at one year, and some have not at 18 months. Of the children studied the average vocabularies are as follows:

At one year, 7 words. At 18 months, 71 words. At two years, 328 words. At two and a half years, 690

At three years, 896 words, At three and a half years, 1,222

At four years, 1,540 words. At four and a half years, 1,870

At five years, 2,070 words. At five and a half years, 2,289 At six years, 2,562 words.

This Is Paris Today



France's capital is no more the gay city. The tramp of booted German feet takes the place of the laughter that was. Here is a typical street scene in Paris under German domination. Steel helmeted troopers are everywhere. A review of military might was in progress in the square in background (note band), and all passersby had to state their business and destination. The young girl is being questioned here before being allowed to pass through the square.

## Canadian Tobacco Acreage Reduced

One-third Less Flue-Cured Planted This Year in Ontario

According to the first report on the 1940 commercial crop of leaf tobacco in Canada, a considerable reduction in acreage is indicated as compared with the acreage of 91,035 acres planted in 1939. Reductions are general for all types of tobacco grown in Ontario, the greatest change being in the fluecured crop, the area of which has been reduced by approximately onethird from the area of 62,550 acres in 1939. Decreases are also indicated for the cigarette and cigar leaf types in Quebec.

the Burley Marketing Association of Ontario that a 12% per cent. reduction in acreage be put into effect in 1940, it is anticipated that the acreage planted to burley tobacco will be approximately 9,600 acres. The acreage of dark tobacco under contract in Ontario will show a reduction of at least 35 per cent. There will probably be a decrease of five to ten per cent. in the area planted to cigar leaf types in Quebec. Not much change is indicated in the acreage planted to the pipe varieties, production of which is also limited to the Province of Que-

GOLDEN TEXT — Godliness 1 Tim. 4: 8.

THE LESSON IN ITS SETTING

collected many of the gems found in the book of Proverbs, flourished about 1,000 B.C. The chapter in Isaiah, from which a portion is taken for this lesson, was written about 760 B.C. Paul wrote his epistle to the Galatians in A.D. 57.

known as Asia Minor.

ruling sovereign in our hearts.

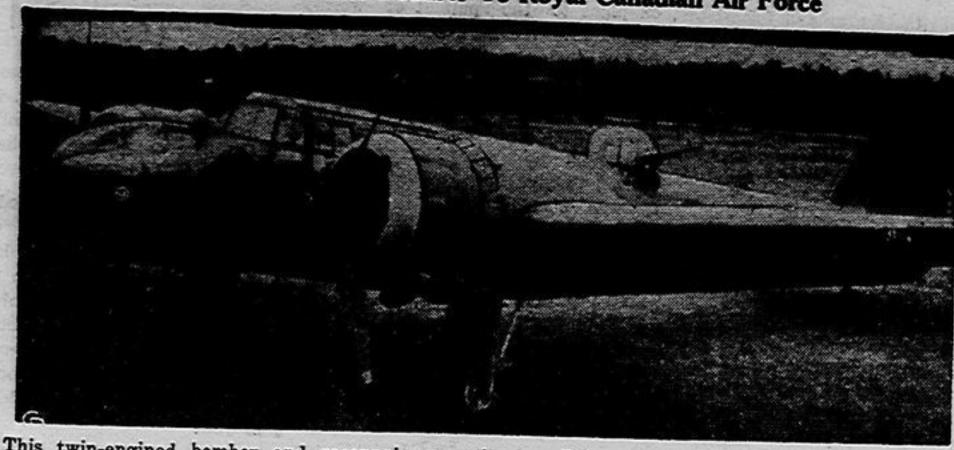
Prov. 1: 7 The fear of Jehovah is the beginning of knowledge; But the foolish despise wisdom and instruction. This verse stands out as the motto, or key-note, both of the whole book and of the whole subject of which the book treats. 8. My son, hear the instruction of thy father, and forsake not the law of thy mother: 9. For they shall be a chaplet of grace unto thy head, and chains about thy neck. The moral beauty which will become conspicuous by following the advice given in verse 8 is here symbolized by objects of conspicuous adornment to the person. 10. My son, if sinners entice thee, Consent thou not. This young man is warned not even to begin to give heed to the enticements offered to him, for once one begins to walk on the paths of iniquity, human experience everywhere testifies to the fact that the step will lead to others that will swiftly carry that one down to lower and lower

Five Roads to Ruin work of Jehovah, neither have they considered the operation of his hands.

hood, and sin as it were with a cart rope; 19. That say, Let him work, that we may see it; and let the counsel of the Holy One of Israel draw nigh and come, that we may know it! These people are making an impious chailenge to Jehovah to make good his words spoken through the prophets,-a defiant unbelief which seems to have been the reigning spirit of the political circles of Isaiah's times. 20. Woe unto them that call evil good, and good evil; that put darkness for light, and light for darkness; that put bitter for sweet, ad sweet for bitter! Referring to the things that are sweet and bitter, it has been said that although

in their sight! (the road of pride) mighty to drink wine, and men of strength to mingle strong; 23, that justify the wicked for a ness of the righteous from him! In his last "woe" Isaiah returns to the drinking habits of the upper classes, from which it would appear that among the judges of Isreal there were "six-bottle

I. O. D. E. Presents Bomber To Royal Canadian Air Force



This twin-engined bomber and reconnaissance plane, a Bristol "Bolingbroke," has been presented to the Royal Canadian Air Force by the Imperial Order of the Daughters of the Empire. Lodges of the order from coast to coast combined forces to collect money to buy the bomber. It carries on its nose the insignia of the order and the words "For King and Empire."

NOTES AND NEWS

The Columbia Broadcasting Sys

tem has an ambitious summer pro-

gram schedule lined up headed by

a program called "Forecast." It got

under way July 15th and is being

heard on Monday evenings. Each

program is built around some mov-

ie or radio star, or world personal-

ity, and is designed to bring out

the particular performer's best ab-

ilities. Shirley Temple, washed up

with pix for the time being, will try

This is the time of the year when

your garden needs special atten-

tion - to keep your prize roses,

plants and flowers free from bugs,

fungus and all the other blights.

The best way to care for your flow-

ers is to tune in Dick, the Amateur

Gardener, heard from 1120 on your

radio dial every week-day at 12:30

noon. Dick will tell you how to

HAND-PICKED RADIO BRIGHT

Sunday - Sandy's Canadian

Hour from BBC via CBC at 8:00

p.m. . . . Monday-Burns and Allen

with Artie Shaw on the NBC-Red

network at 7:30 . . . Tuesday -

Laugh and Swing Club from WOR

mutual chain at 9:30 p.m. . . . Wed-

nesday — Dr. Christian, a drama

starring Jean Hersholt, on the Col-

umbia chain at 8:30 . . . Thursday

- Stag Party via CBC from Van-

couver at 11:30 p.m. . . . Friday -

Music You Want from CKOC at

3:30 . . . Saturday - Radio Guild

drama on the NBC-Blue network

at 8:00.

meet all your problems.

# RADIO REPORTER

By DAVE ROBBINS

RADIO AND THE WAR

Radio entered a new phase of its service to the world with the outbreak of the second world war. Hitherto radio's first claim to fame was through its entertainment value; today, it is a vital source of communication, presenting the news that develops so fast no other facility can cope with its swift

Radio in Canada has responded readily to the intensification of the war effort. The CBC has utilized its networks to bring the news to listeners, and to provide the entertainment essential as a respite from each day's reports of the struggle. And during these arduous months, the CBC has experimented with and developed another urgent service - programmes specially planned to assist Canada's war effort.

Of these, "Carry on Canada!" is broadcast Sunday nights at 9:00 p.m. from Toronto studios, and it is produced in co-operation with the Federal Government's Department of Information.

Ontario listeners can get this splendid program each Sunday night at nine, daylight time, by tuning in at CBL, CKOC or CBC.

Another "Empire program" is being presented by CKOC each Sunday afternoon at 5:30 - when "Songs the Soldiers Sing" is the feature. This program introduces new and old war tunes, the patriotic songs that everyone knows, or wants to know.

This show is one that every real good Canadian will want to hear.

Saving Ontario's

Natural

**Kesources** 

Do you know how vitally all of

us are affected by the depletion of

our natural resources? At no time

in our history has it been more

important to know how we can

conserve our wild life and fisher-

ies. In a series of articles that will

start in this newspaper soon, con-

servation and the replenishment of

our natural resources will be dis-

cussed in a popular and accurate

style. These articles have been

written by G. C. Toner, B.A., for

the Ontario Federation of Anglers,

and will deal with our familiar ani-

Need Is Urgent

lers is the associated fish and game

soweth unto the Spirit shall of the

Spirit reap eternal life. Our

present life is the seed-time of

an eternal harvest-we must be

careful what we plant for the

quality of the future harvest de-

pends entirely on the present

sowing. Like breeds its like; life

springs from life; and death

eternal is the culmination of a

soul's present death to God and

9. And let us not be weary in

well-doing: for in due season we

shall reap, if we faint not.

goodness.

The Ontario Federation of Ang-

mals, birds and fishes.

protective clubs of the Province. Organized in 1928 by representatives of angling associations from all Ontario it has expanded until to-day it represents most of the sportsmen who are interested in conservation. The purpose of the Federation is to assist the Government in maintaining, improving and perpetuating the game fish resources of the province; to bring before the public the urgency of conservational efforts; and to educate the growing generation along these lines. The President of the Federation is Dr. H. C. Bliss, of Toronto, and the secretary-treasurer is Mr. C. C. McGibbon, of Oshawa. The executive council includes most of the leaders in conservation in Ontario.

Mr. Toner served overseas in the last war and on his return, while in hospital, became interested in animals. After graduating from Queen's University he worked for the Ontario Game and Fisheries Department for several years as a biologist. A break-down in health caused him to turn to free-lance writing and he has successfully conducted a column on nature for several years in eastern Ontario newspapers. At the present time Mr. Toner is working on diseases of fishes at Queen's University. under a grant from the Fisheries Board of Canada.

During his periods as Prime Minister, between 1924 and 1937, Earl Baldwin (then the Rt. Hon. Stanley) had 8,000 pipes sent him as presents.

# Farm Notes

Q. Could you tell me the difference in weight of a ton of dry straw placed in a pile and allowed to rot for a period of six months in summer, having sufficient moisture? Also could you give me a valuation per ton of straw compared to fairly fresh pig manure where the

A. Answering your inquiry, which has been referred to my attention, I would say that the weights of fresh straw are approximately as

straw is the litter? "N. M. - York

Wt. per Cu. Cu. Yds. per Crop Foot (lbs.) Wheat Oats 24.3 30.2

The straw which we have mentioned takes up to the pound of litter, the following amounts of water: Oat Straw, 2.28; Barley Straw 2.85; Wheat Straw 2.20.

I am unable to tell you just what the straw pile should weigh at the end of six months, but I do know that in compost Experiments conducted by Michigan Agricultural Experiment Station where 6 tons per acre of Compost Manure were turned under, 1 compost consisting of Barnyard Manure in comparison with Synthetic Manure which was dampened and treated straw as explained below, there were the following yields: Barnyard Manure, 110.6 bus. per acre of Potatoes. Synthetic Manure 179.6 bus. an acre of Potatoes. The note says that, "It ure failed to give as good results is believed that the Barnyard Manas the Synthetic Manure because of the rather high content of straw which possibly led to a nitrate deficiency where the Barnyard Manure was applied. Turning under such quantities of strawy material low in nitrogen often reduces the yields of the crop that immediately follows it."

STRAW COMPOST

The Straw Compost was made up by Michigan Experiment Station as follows: A 10 ft. square pile of fresh wheat straw was started and the straw was piled to a depth of 1 ft. On this was scattered 30 lbs. of the following chemical mixture: 671/2 lbs. Sulphate of Ammonia, 20 per cent. Superphosphate, 22.5 lbs., and Ground Limestone, 60 lbs. Another foot of straw was placed on top of this, and 30 lbs. more of the chemical mixture was added. This was continued until 5 feet of straw

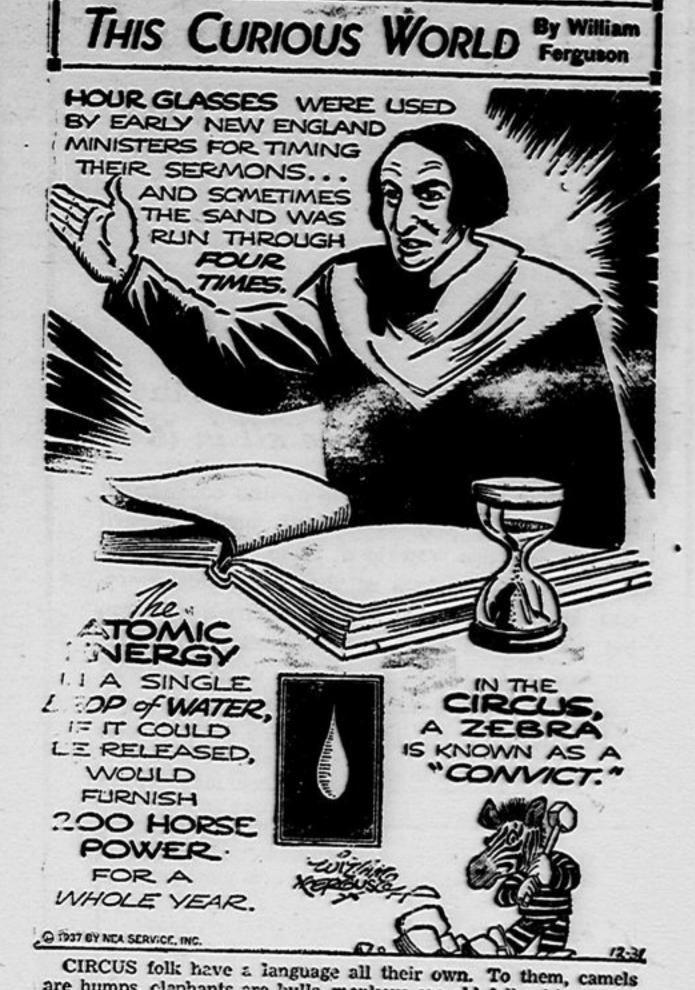
New Postmaster-General



Col. W. P. Mulock who was recently named by Prime Minister Mackenzie King as the new Postmaster-General of Canada.

had been added and treated with applications of the chemical mixture. The pile was then thoroughly soaked and allowed to stand for about 5 months. It was then applied to the crops such as we have just indicated.

In answer to the second part of your question, a ton of straw carries 11 lbs. Nitrogen, 4 of Phosphoric Acid and 20 of Potash. A ton of pig manure carries 15,2 lbs. Nitrogen, 9.5 lbs. Phosphoric Acid and 14.5 lbs. of Potash.



are humps, clephants are bulls, monkeys are old folks, hippos are hogs, hyenas are gravediggers, and ostriches are big turkeys. And people who take in all the free sights, but never buy tickets, are

NEXT: Are thy heat producing fuel-foods used in making ice

### AQUATIC REPTILE

HORIZONTAL Answer to Previous Puzzle 1 Pictured reptile, or alligator. 9 It is found

fresh -13 Fertile desert 14 School of a university.

chiefly in

15 To scratch. 16 To straighten 17 To rub out. 19 South America.

20 Nude. 21 Strip of steel 34 Spectators. making 22 Compass

23 Covered trucks. 24 Bundle. 25 Electric unit. 27 Hodgepodge. 28 Sundry.

29 Logger's boot. 47 Plant. 30 Disturbances. 48 Pilaster. of peace. 49 Potato

9 Done once a MARINE BAILOR 10 To concede.
RIDEPARKA CAROM 12 To repent.
EDEN PIER ER II 16 Skillets. DEFICITERIC YARN BITTLE NEON POIL

32 To masher. 33 Star. 35 Amusement. 36 Born.

37 Owl's cry. 39 Myself. 40 Grain. 43 Thing. 44 Definite article. 46 Half of em.

PREMILERS CRISIS 26 It has horny manufacture. 51 Its eggs are

52 Its eggs are - by the VERTICAL 1 Heart. 42 Female sheep. 2 To elevate.

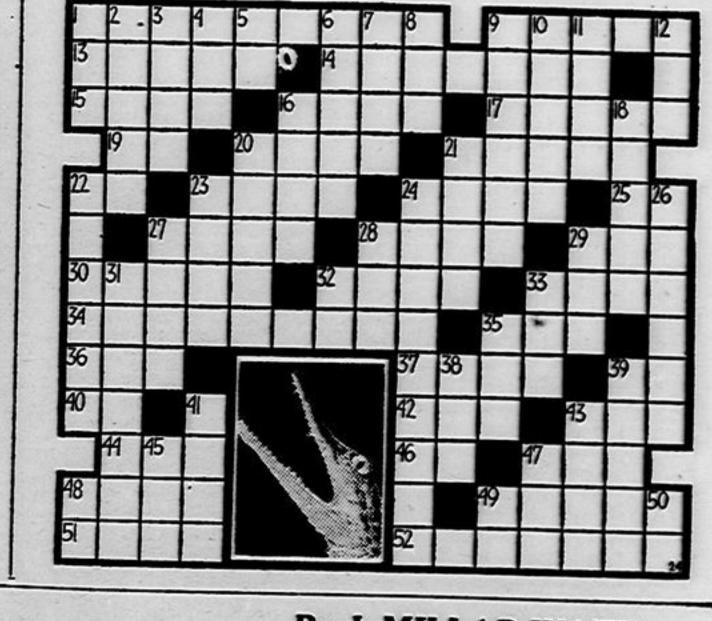
3 Bones. 4 Citizen 5 Ridge. 6 Cake decorators. 7 Learnings. 8 Deer.

18 Blade of grass. 20 Double bass. ASS 21 Mentally

EIT 24 A gratuity. 27 Pigmented

spot on skin. laid in - 28 Blemish. 29 Brooch. 31 Sluggishness. 32 Myself. 33 Mongrel. 38 To have. 39 Affray.

41 Flock. 43 Wealthy. 45 Female fowl 47 Twitching. 48 Postscript. 49 Right. 50 Road.



POP—No Choice

NOW WHAT WOULD YOU DO IF YOU UPSET A BOTTLE OF INK







ONTARIO ARCHIVES TORONTO

LESS BURLEY AND DARK

Following the recommendation of

## SUNDAY SCHOOL LESSON

LESSON IV

WEIGHING CONSEQUENCES (A Principle of Temperate Living).—Proverbs 1: 7-10; Isaiah 5: 11, 12, 18-23; Galatians 6:

is profitable for all things, having promise of the life which now is, and of that which is to come.

Time.—Solomon, who wrote or

Place.—Solomon ruled in Jerusalem, and there also Isaiah prophesied. Galatia was a vast Roman province in what is now

In this lesson we are reminded that a true Christian life is not a mechanical obedience to many rules, but a life so filled with the presence of the Lord Jesus Christ, guided by his Spirit, that obedience to the laws of God becomes, as it were, second nature to a person. All God's laws for us will be continually and gladly kept if the Spirit of Christ is allowed to control and guide our every thought, word and deed,

From Father to Son

Isa. 5: 11. Woe unto them that rise up early in the morning, that they may follow strong drink; that tarry late into the night, till wine inflame them! 12. And the harp and the lute, the tabret and the pipe, and wine, are in their feasts; but they regard not the

The larger part of this chapter. verses 8 to 24, is occupied with a series of woes pronounced against various classes of people in Israel guilty of certain flagrant sins. 18. Woe unto them that draw iniquity with cords of falsemake speed, let him hasten his

they may be sweet the material taste, they are nevertheless bitter, inasmuch as they produce abhorrence and disgust in the God-like nature of man, and, after a brief period of self-deception, are furned into the bitter woe of fatal results. 21. Woe unto them that are wise in their eyes, and prudent

God is not mocked: for whatsoever a man soweth, that shall he reap. 8. For he that soweth unto his own flesh shall of the flesh reap corruption; but he that