

many feet. The hot steel upon the, converting oxygen gases powerful explo-

Curves artistic," said natural bent," artistic," said true of how



Welding at the Day!

equipped dle any b. Axes straight-ators re-asonable

60

BROS.

ons

re-ta-the at

nicle

s at

S'

- Orange jar ... 42
Rasp- jar ... 58
Flour ... 45
2 lbs. ... 25
lbs. ... 25
an ... 15
2 lbs. ... 25
2 lbs. ... 25
2 lbs. ... 25
ies. 3 ... 25
l. lb. ... 20
ast Ba- ... 29
e Roll. ... 30
... 23
a. lb. ... 23

ge. aster, am,

Thursday.

n

am, Ont.

MODERATE DRINKERS LIVE THE LONGEST

Those who hold to the belief that heavy, continuous drinking tends to stimulate the mind, strengthen the body and promote longevity will find little comfort in the recent investigations of Dr. Raymond Pearl, Director of the Institute for Biological Research at Johns Hopkins University. Dr. Pearl is one of the leading authorities on this subject in which he has specialized for many years and from time to time has published reports which were thorns in the flesh of the prohibitionists. He finds that while it is true that the man who nightly or daily saturates himself in alcoholic beverages does not live as long as the man who regards such practices with horror, the man who lives moderately, is likely to outlive the teetotaler. He points out that as a biologist begins his study upon animals and works up to man, he finds that in the animal kingdom there are those whose diet includes a considerable portion of decaying and fermenting fruits and vegetables. Thus they absorb a certain quantity of alcohol in the course of their normal life. Man, however, is the only animal who deliberately consumes alcohol for a definite purpose.

Heavy and Moderate Drinkers

Some of Dr. Pearl's experiments were with domestic fowls and guinea pigs, and he found that the subjects which were steadily and rather heavily alcoholized outlived their brothers and sisters who were not subjected to the fumes. Their advantage in this respect was considerable and constant. Of course it would not necessarily follow that the effects upon guinea pigs would be the same as those upon human beings. Extensive actual experiments upon human beings are also out of the question in most cases, few men being willing to sacrifice themselves in the interest of alcoholic science as they have been found willing to do for other departments. Statistics had to be looked into, and they revealed the fact that the greatest difference in life expectancy is between the heavy and moderate drinker and not as has been supposed, between the heavy drinker and the abstainer. At the age of thirty the moderate drinkers have an expectation of life 8.18 years greater than the heavy drinker. This margin narrows as age advances so that at the age of ninety the superiority of the moderate drinker amounts to only about a month.

Veteran Soaks

It is not impossible that if the heavy drinker reaches the age of ninety as sometimes he does he is indifferent to the extra month, and in any event accident is likely to deprive the moderate drinker of any cause for pluming himself that his chances of becoming a centenarian are superior to his hard-boiled brother. But earlier than that, in fact at the age of sixty-nine, the abstainer and the heavy drinker have precisely the same life expectancy, from which time on the heavy drinker has a somewhat superior expectation to that of the abstainer. The reason for this is plain: If a man is a heavy drinker and lives to be seventy years, it is clear that he has an unusual constitution or that in his system has been set up some resistance that the abstainer lacks to the ravages of alcohol and other threat. With the heavy drinker the first seventy years are the hardest. Once they reach that goal they are in the position of the old gentleman who remarked that he had always noticed that if he lived through March he lived through the rest of the year. Heavy drinking in early life is somewhat selective. The weaklings are killed off and those who survive are extraordinarily sound.

Moderate, Steady Drinkers

Dr. Pearl's general conclusion is that moderate drinking in no way impairs the duration of life. "On the contrary," says this learned biologist, "moderate drinkers and particularly moderate, steady drinkers show a small but consistent superiority in longevity to any other class of persons who were investigated." Some of his statistical data were supplied by the records of the Johns Hopkins Hospital concerning the autopsies of thirty-four years. He chose these statistics in preference to those supplied by insurance companies, because the latter pool all drinkers, moderate and heavy. Other statistics upon which he drew are the family records of the Institute for Biological Research of the Johns Hopkins. They consist of elaborate and detailed original pedigrees, selected by a staff of eugenic field workers, acting under his direction and specially trained for this investigation. He has endeavored to "qualify and complete" all such general statements as "heavy," "moderate" and the like, knowing all too well that what one man might deem moderate, a scientist would deem heavy, and what a debutant might consider excessive, Don Marquis' Old Soak would reckon wholly unimportant.

The Conclusion

He believes that the information acquired upon which he bases his conclusions is more accurate than what is elsewhere available. The total number of persons investigated was 5,248, and there seems little doubt that the group is large enough for scientific purposes. He found that of the abstainers three-fifths were women; two thirds of the moderate drinkers are men, while among the moderate occasional drinkers men and wo-

men occur in equal numbers. Summing up the autopsy records he finds that all those patients of twenty and more who were known to be moderate drinkers died at approximately the same age as did those who were known to be total abstainers. He concludes: "Experiments by various workers on such different forms of life as guinea pigs, rats, mice, rabbits frogs and insects agree in showing a beneficial effect of alcohol upon the race. This beneficial effect seems to be produced chiefly as a result of the remarkably sharp and precise selective action of this agent upon germ cells and developing embryos, killing off the weak and defective and leaving the strong and sound to perpetuate the race. The prevalent notion that parental alcoholism tends to cause the production of weak, defective or monstrous progeny is not supported by the extensive body of experimental work which has been done on the problem. Recent critical work on human families leads to the same conclusions.—J. V. McAree in Mail and Empire.

CAN ANIMALS THINK?

Everybody has seen a dog lying with its head on its paws in front of the stove and particularly before an open fire and gazing at the dancing flames. Is it just somnolent or lost in thought? The horse watching another horse pulling a heavy load; the cow in the field calmly chewing her cud; the cat carelessly sunning herself; have they the power of thought and reasoning?

Naturalists and scientists have just completed carrying out a series of experiments in an attempt to probe the animal mind and incidentally have made some remarkable discoveries. Evidence has been accumulated pointing to impulses and worthy deeds on the part of domestic and wild creatures indicating creditable codes of morals.

Even in the insect world, it has been proven that the ant exhibits all the morals of the good Samaritan in the highest degree. It lives in big nests that are really populous cities which force upon their inhabitants a long string of "thou shalt's" and "thou shalt not's". The ant will abandon a valuable bit of treasure and go to almost any lengths of risk and effort to aid and comfort another member of her nest. If an ant is trapped under a pebble or twig, the next ant that comes that way will strain her tiny muscles to lift the weight. When that fails, she acts just as a human being—goes back to town and organizes a rescue party.

Domesticated animals, particularly the dog, cat and horse, have also a code of their own. The dog's moral code commands him to protect the home and family, and, if necessary, die for them. He is watchman, detective, policeman and soldier; and these deep responsibilities as he certainly thinks a great deal about them, keep him worried and overzealous.

While pussy does not accept such responsibilities or obligations, and seemingly exercises a significant amount of independence compared with that of the dog, nevertheless the cat has also been proved to have a moral code.

A clergyman has recorded the morals, both good and evil, of one of his cats. The cat was a thief, but her thefts were mixed up with a sort of lofty morality, like that of Robin Hood, who used to rob the rich to give to the poor—at least so he claimed. The minister's dishonest cat really did this. She would not only invite hungry tramp felines to eat her own legitimate food, but when that was gone would steal from her master and share her loot with the strangers. Seeing a neighbor's cat about to eat some foul scraps of meat, she took away the unlit food and, instead, stole a piece of fish from the shelf where it had been stored and gave it to her hungry friend. It is therefore evident that animals do far more thinking than some human beings think they do.—Henry Charles Suter, Ph.D.

Three prisoners escaped during a baseball match in the yard of a Detroit jail. Three home runs in one game sets a record for the jail league.



From Vancouver to Halifax came representatives of all local councils of women to the national annual meeting at Toronto. Mrs. Sydney Tweed of Waterloo, Ont., shown in No. 1, is retiring treasurer. Mrs. H. H. Rowatt of Ottawa, president of the council in the capital, was nominated for corresponding secretary on the incoming executive, and is shown in No. 2. Mrs. I. W. Sheppard of Ottawa, a daughter of

CRISP COMMENT

"We never know how a boy is going to turn out or when a girl is going to turn in."—Abe Martin in Indianapolis News.

A delver into such matters says there are only seven original jokes, the first of which unquestionably is, "I am through with girls forever."—Detroit News.

Both girls riding in the machine which overturned were injured. Miss Lane was cut about the face and hands and Miss Swope in the back seat.—Arizona Paper.

We thought Chicago surely was not as bad as painted. And sure, enough, we learn that among the books stolen from the libraries there, the Bible leads.—Council Bluffs Nonpareil.

Doctor—"Your boy is tongue-tied; a slight operation will cure him." Jones—"No, let the boy alone; I want to make a radio announcer out of him."—Vancouver (Wash.) Columbian.

A New York swimmer broke all records when she stayed thirty-two hours in a bathing pool. It would be exasperating to want a shave.

Smith Brothers' USED CAR BARGAINS

- 1927 model Ford Roadster
1923 model Ford Touring
1924 model Chevrolet Coupe
1927 model Dodge Sedan
1922 model Ford Touring
1922 model Chevrolet Touring
1925 model Ford Coupe
1927 model Essex Sedan

The above cars are in first class running condition. Come in and look them over before buying your car.

SMITH BROTHERS Phone 60 Durham



FATHERS' DAY

JUNE 10TH is Father's Day. Remember him with a gift that he'll like. Many suggestions are offered here.

Something He Is Sure to Like—Furnishings from this Store

- Dad knows the reputation of this store for quality and style. He'll appreciate a gift bearing our label. You'll like the moderate prices.
Silk Ties 50c. to \$1.75
Shirts \$1.50 to \$3.00
Hats \$3.00 to \$7.00
Hose 50c. to \$1.50
Sweaters at all prices.

D. M. SAUNDERS - DURHAM, ONT.

DURHAM COUPLE THIRTY-FIVE YEARS MARRIED

(Continued from page 1)

where they resided until four years ago when they moved to Durham.

The union resulted in a family of eleven children, George D. of Toronto, Mary F. (Mrs. Wm. J. Vollett) of Durham, Mildred M. (Mrs. Fred Torry) of Mulock, Margaret J. (Mrs. Edgar Fursman), of Hanover, Susie E. (Mrs. Secord Switzer) Toronto, Lydia M., Wilford, Eva and Clarence at home. Two children, Wesley and Grace, are deceased.

At nine o'clock Mr. and Mrs. Adlam were called forward and took their places, accompanied by Mrs. Robert Bell and Mr. William Adlam, bridesmaid and best man of thirty-five years ago, when the bride accepted a bouquet of roses and fern from Grace and Velma Vollett, their only granddaughters.

The address given below was read by Mrs. Fursman and at the proper time Mr. and Mrs. Adlam were presented by the family with a floor lamp, linen day slips and a Japanese hand painted tea set. Many other valuable gifts and cheques were received from relatives and friends. Mr. and Mrs. Adlam both made very suitable replies.

Following is the address:

To Our Dear Father and Mother: We, your family, relatives and friends, have gathered here tonight on this occasion of your thirty-fifth anniversary of married life. It is a source of great joy and profound gratitude to our Father in Heaven that we consider the importance of this event. As we look back through the years to those precious childhood days, made so happy by your smiling

faces and loving care, our very hearts swell to overflowing with pride and gratitude that we were so fortunate, and we sincerely hope that your many sacrifices have not been all in vain. If our fondness and appreciation for such a loving father and mother could be sufficiently expressed in any way we would gladly bare our hearts; however, nothing we could either do or say would describe the depth of our love for what you have always been to us and our fond wishes for the future.

As a very slight token of family devotion to our greatly esteemed parents, we ask you to accept these gifts emblematic of the many years once spent in our parental home with wishes for many more to enjoy.

Signed on behalf of your Sons and Daughters.

The remainder of the evening was spent in singing, music and games, after which a dainty lunch was served by the hostess and willing waiters.

Those from a distance were Mr. and Mrs. George Adlam, and family, Mr. Wilford Adlam, Mr. and Mrs. Secord Switzer and family and Miss Josephine Lafaine, all of Toronto.

Never Heer'd of It. "Where did the car hit the man?" asked the defendant's attorney of the attending physician at a damage suit. At the junction of the dorsal and cervical vertebrae," the doctor answered. "Just a moment, please," a jurymen spoke up, rising from his seat. "I've lived in this country nigh on to forty year, an' know every cross road for miles around, but I never heard of no such place as that. I believe it's a make-up case."

Read The Chronicle ads on page 7.

Rexall STORE NEWS

- KODAKS and CAMERAS \$2.10 and up
Use the Film in the Yellow Carton
WALL PAPER Newest Designs 12c. to \$3.50 a roll
Room lots to clear at Half Price

- Vacuum Bottle 49c.
Kits, \$1.50 and up.
Tennis Racquets \$3.50 to \$16.00
Soft Ball Bats from \$1.00 up
Soft Balls 60c to \$1.75
Lawn Bowl Nets 35c.
Marshmallows per pail 25c.
CHOCOLATES, lb. 39c.
Boxed Candy, 25c. to \$2.00
Health Salts, 15c. to \$1.00
Creophos Tonic \$1.00
Wampoles tonic \$1.00
Carr's Kidney Pills never fail 50c.

McFadden's Drug Store

PHONE 21 DURHAM

Curtain Materials and Draperies

In Splendid Design and Colorings

Madras, Net, Marquisettes Panels, Scrims

Kirch Flat Curtain Rods

Beautiful stipple tone finish, any style draping can be hung by using these rods and extension sections.

Window Blinds

Plain Cream or Green, special 69c. & 75c.
Extra heavy Oil Finish, in plain or two colors \$1.00 & \$1.35

J. & J. Hunter General Merchants Durham, Ont.