

THE SKATERS

The merry quip, the flash of steel
'Gainst amber sun, as they go by,
Muffled shapes that dart and reel,
And drifting flakes from a windy sky
Cheeks with the flush of pristine
health,
Fantastic shades in winnowing curves
Who that would wish for greater
wealth!

Agile forms and steady nerves,
Youth and zest and hearts aflame,
Surging blood and sparkling eyes,
And the lightning speed of a hockey
game.

"Crack the whip" and the laggard
flies

To a quick upset and a madcap fate,
Showered and smothered and up
again,

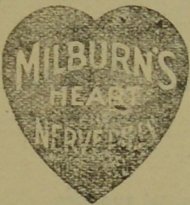
Cutting capers, the figure 8.
Good old days on the ice like this,
Happy memories and hours of bliss.

—CLARENCE P. MILLIGAN in De-
troit News.

NERVES WERE BAD Could Not Sleep Tired All Day Long

Miss Florence Coutier, Bark Lake,
Ont., writes:—"I was troubled with
my nerves, could not sleep at night,
and felt tired all day long."

"A neighbor came in to see me, one
morning, and advised me to take



"The first box did me good and
after the sixth box I was able to go
back to my work."

Price, 50c. a box at all druggists and
dealers, or mailed direct on receipt of
price by The T. Milburn Co., Limited,
Toronto, Ont.

SPORT OF KINGS MODERNIZED BY ROYALTY

London, Feb. 8.—Members of the
Royal Family are ardent sportsmen
but each has his particular sport.

King George V. for many years
has been known as an expert shot. A
light gun has been made especially
for him and he passes much of his
time while at Sandringham shooting.
His Majesty's physicians have not
allowed him to take part in any
strenuous riding since his recent ill-
ness.

The Prince of Wales has given his
attention to riding, hunting, piloting
air planes and playing golf. His fa-
vorite, for the moment, is golf. Al-
most every day before his departure
for Africa he worked to perfect his
game. He shoots in the eighties.

Close observers of the Prince's
game say that his woods have im-
proved tremendously in the last six
months, but that his putting and ap-
proach shots still lack the grace
and assurance of a Hagen, Com-
son or Jones. His drives are straight,
low shots which carry well and
generally keep him out of trouble.
He plays a cool, well-timed game
in a serious spirit.

The Duke of York enjoys hunting,
yachting and target shooting. Prince
George is an ardent rider and an
enthusiastic golfer, but hasn't de-
veloped the technique of his older
brother, the Prince of Wales, as yet.
Prince Henry, who is following a life
of active service in the army, has
selected fencing and riding as his
favorite sports.

One reason it is difficult for the
average family to make permanent
and satisfactory economic adjust-
ments is the increasing necessity of
so emol our more expensive luxuries.

BROADCAST BRIEFS FOR THE RADIO FANS

And now Amos 'n' Andy, blackface
entertainers heard six nights a week
in an NBC program, have been
brought up in Sunday School discus-
sions. Lewis Whitcomb, manager of
WIEB, Boston NBC outlet, is respon-
sible for the following: "My daugh-
ter, Frances, aged ten, was looking
up various books from the Bible dur-
ing Sunday School. She came to the
Book of Amos and called it out, where-
upon a nine-year-old demanded that
the Book of Andy also be produced.
My hunch is it may be one of those
banned here."

By order of his seven-year-old son,
Harry Edison, staff drummer and
sound effects man for NBC, has ac-
quired a new hobby. He is a stamp
collector.

When Edison received his first in-
struction to "bring home stamps," he
tried a domestic assortment, filched
from NBC's nightly deluge of audience
mail. But that didn't work; the young-
ster demanded "furrin" stamps. The
following night Edison was proudly
displaying to his fellow musicians the
results of several long hours spent
tramping the streets—four envelopes
filled with legally cancelled stamps
from Siam to Finland.

ENGLISH MADE COMPULSORY IN SCHOOLS

Prague, Feb. 10.—The Czechoslovak
Board of Education has made
the teaching of English compulsory
for all public and private high
schools in the Republic. Only thir-
teen are exempted, in twelve of
which Russian will be taught instead
of English, while in the thirteenth
Italian has been made obligatory.

BELIEVES THAT TALKIES WILL EVENTUALLY OUST THE TELEPHONE HELLO GIRLS

Next spring when telephone opera-
tors at the long-distance boards plug
in to take their calls the "voice with
a smile" that says "four-one-three-
six-J" will not be a voice at all but
just a machine, hidden in a room
down-town and repeating numbers
and letters to itself all day long—and
all night, too, says Popular Mechanics
Magazine.

Instead of a living, breathing tele-
phone operator, the voice will come
from either a phonograph record or a
piece of film—the engineers haven't
decided just which as yet, so they
have built both, and made them work.

That's just one of the things about
to emerge from the vast labyrinth
where the bulk of the 4000 scientists
and workmen of the Bell Telephone
laboratories do their work. While one
group recently was completing the
mechanical voice another group, head-
ed by Dr. G. W. Elmen, laid down
their slide rules and announced they
had just calculated they could build a
telephone cable under the Atlantic
from America to England, though the
longest telephone cable built so far
stretches a bare hundred miles from
Key West to Cuba.

And, though not a foot of experi-
mental cable has been built, the Amer-
ican Telephone & Telegraph Com-
pany announced on the strength of the
slide rule calculations that it would
proceed at once to spend \$10,000,000
on the phone cable to London. Such
is the confidence held by the scient-
ists of the Bell laboratories that it
was not considered necessary to
build even a test piece of cable be-
fore investing that huge sum in the
undertaking.

Learns to Talk Backward

In another room Dr. S. P. Grace
has learned to talk backward—not to
say words backward as they would be
spelled if inverted but to say them so
they will sound right when reversed,
which is an entirely different thing.
His development of inverted speech
is just an incident in the work on a
speech inversion apparatus that has
produced an entirely new language
which some day may be used to put
telephone conversations into an es-
cret code, particularly transatlantic ra-
dio-telephone talk, and then automatically re-
verse it into understandable words at
the other end.

The same scientist has learned to
talk into a spiral spring which stores
up his words and delivers them later,
after he has finished talking. A little
spring stretched across an auditor-
ium stage can delay delivery for an
entire second, so that words he
speaks into the telephone reach the
loud speaker twenty feet or so away
a second after, while the same words
sent out by radio would travel 186,000
miles in the same time.

The speech inversion apparatus
with which he has become so adept
he can talk backward and have his
words come out of the loud speaker
right end foremost is one of the most
interesting oddities science has de-
veloped in years. The theory itself is
simple but the machinery required is
complicated. The inverting apparatus
acts somewhat like a camera lens in
inverting an image. Instead of a
glass lens a 3090-cycle modulating cur-
rent is used to invert the electrical
impulses produced by sound.

The result is that sounds of low
frequency are changed to high-fre-
quency impulses and high-pitched
sounds to low frequencies. As normal
speech has a range of 100 to 2900
cycles and the inverting current has
3000 cycles the inverted speech also
has a 100 to 2900 cycle range, but in
just the opposite order.

In other words, a pure tone of the
pitch of middle C on the piano, which
has a frequency of 256 cycles per sec-
ond, comes out of the inverting ap-
paratus at 2744 cycles or 3000 less
the original 256. Consequently, the
voice of a person talking in a low tone
comes out when inverted as a high-
pitcher squeak, with an occasional
low pitched grunt to represent the
original speech wave.

Inverted Speech Sounds Strange

Listening to inverted speech the
first time nothing is intelligible. It is
as strange as Russian or Chinese or
any other language foreign to the lis-
tener. It is possible, however first to
the normal word and then the invert-
ed one, and this is what Dr. Grace
has done until he has become so adey

that he can talk in inverted speech.
The inverted words, however, present
letter combinations so unusual that it
is practically impossible to pro-
nounce them, and to acquire inverted
English as a language, such as
Esperanto, a vocabulary would have
to be adopted which would avoid the
impossible words. "Illinois Telephone
Association," for example, when in-
verted, sounds like "Oyaneon Play-
fiend Acceloffin."

The inverted speech is readily re-
versed into normal English in several
ways. In one, a microphone can be
placed in front of the loud speaker
of the inverting apparatus and the re-
versed speech picked up and trans-
mitted back through another inverter.
In another phonograph records of the
inverted speech can be made and
later, with an electrical pickup, played
back through the inverter again, to
come out in their original form.

The development of the mechanical
telephone girl is the solution of a
problem that has bothered telephone
engineers since the dial phones came
into general use. The dial impulses,
which operate the number selectors,
employ direct current, while voice im-
pulses are alternating currents. In
ordinary land wires it is possible to
shunt the dial impulses, through con-
densers and around the relay appar-
atus and tubes which, at regular inter-
vals, step up the voice impulses to
maintain their volume. But where
undersea cables are used, trouble has
always been experienced in transmit-
ting dial signals.

DUTCH FLOWER GROWERS AFTER FRENCH TRADE

Paris, Feb. 10.—French horticultur-
ists on the Riviera are considering
what steps to take to meet the in-
creasing competition of the Dutch
flower growers who have secured a
special fast freight train brought
their blooms to Paris and also to
London.

Then the Dutch, who up to that
time had specialized in bulbs, not
only invaded their field but utilized
the airplane for rapid transporta-
tion. The result is that Dutch flow-
ers are ousting French flowers from
the English, Belgian, German and
even French markets.

LARGEST MOOSE HEAD IN YEARS

The Red and Gun writer in the
New York Herald-Tribune says: J.
Douglas Black, of Fredericton, N. B.,
who brought down a ton of moose
meat and an equal amount of salmon
for the baseball writers' dinner, drop-
ped in our office and told about the
moose antlers taken in his territory
during 1929. The antlers had a
spread of sixty inches, with thirty-
six points. It was a most unusual set
of antlers, due to the fact that on
one side it had three distinct webs.
The moose was shot by William
Sweet, of Glassville, N. B., at the
meeting of the Tobique and Miram-
ichi Rivers in the Province of New
Brunswick, Canada. This is the largest
head of a moose shot in Canada
in the last four years. The biggest
moose head for all time had a
spread of seventy-two inches and
was killed in the Tobique territory.
It was shot by a doctor from Provi-
dence, R. I.

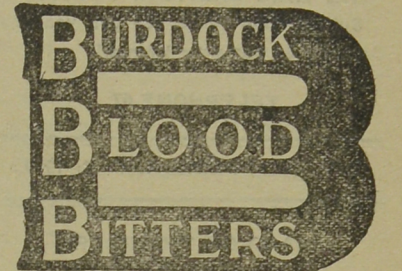
The moose shot by Mr. Sweet was
brought to this city last week and
put on exhibition at the annual din-
ner of the Camp Fire Club of Amer-
ica, which was held on Thursday
last.

"Any old sort of rattle will quiet
a girl baby," says the paragrapher
of the Myrtle Point (Ore.) Herald,
"but when she grows up she wants
the rattle to be in auto," and we'd
like to see any man these days get a
girl in that kind of a car.

Redpack
TOBACCO
is good pipe tobacco

Gas On Stomach Hated To See Meal Time Coming

Mrs. B. Lesnick, Fort William, Ont.,
writes:—"My husband suffered with a
bad stomach; could not eat at all, but
on using four bottles of



he is feeling a different man alto-
gether.

"I, myself, was terribly bothered
with gas on my stomach which kept
me awake, night after night, and I
hated to see meal time coming, so I
tried the B.B.B. too, and now I can
eat what I like."

Put up only by The T. Milburn Co.,
Limited, Toronto, Ont.

Often a hostess is at a loss as to
what to serve her guests. She wants
something different in the food itself,
or in the way it is served. For a
luncheon menu there is always a
choice between casserole dishes, tim-
bales and other possibilities for the
hot dish. Chicken timbales are easily
prepared and are always tasty for a
luncheon.

Chicken Timbales

Melt three tablespoons of butter;
add one-half cupful of soft bread
crumbs and one cupful of milk; cook
for five minutes, stirring constantly.
Add one half teaspoonful of salt, a
little pepper and paprika, one table-
spoon chopped parsley, one and one
half cupfuls cooked chicken cut in lice
and three eggs slightly beaten. Mix
well and turn into individual buttered
timbale molds, filling them two thirds
full. Set moulds in pan of hot water,
cover with greased paper, and bake at
325 degrees F. for thirty minutes. This
recipe will serve six.

CITY OF FREDERICTON

Notice of Legislation

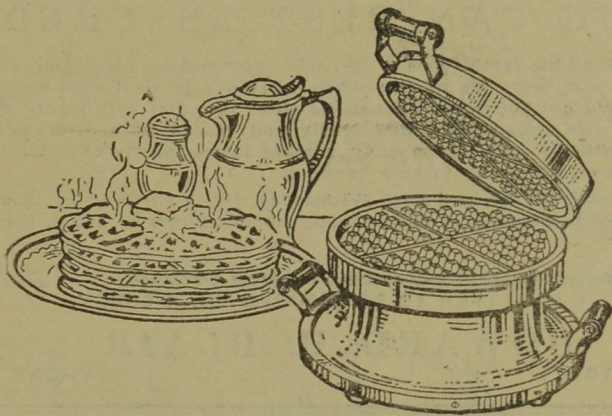
Notice is hereby given that the City
of Fredericton will at the next Session
of the Legislative Assembly of New
Brunswick request the passing of an
Act to vest in the City of Fredericton
certain lands situate in the said City
consisting of Pasture Lot No. 15 in the
sub-division of the lands granted to
the Governor and Trustees of the Col-
lege of New Brunswick, and which
were formerly leased by the said Gov-
ernor and Trustees of the said College
to Harrie William Hallis, and assign-
ed by Isabella Hallis to the Justices
of the Peace of the County of York,
known as the Alma House Lot, subject
to the rights of the University of
New Brunswick and of the several
grantees and leasees from the said
City therein; and also to empower the
said City to sell and convey the same
or any part thereof absolutely or for
any term of years.

Dated at Fredericton, this twenty-
third day of January, A. D. 1930.

FRED I. HAVILAND,
City Clerk.

FIRE ALARM LOCATION IN THE CITY

- 6 Argyle and York Sts.
- 7 Victoria Public Hospital.
- 8 Children's Home, Woodstock Rd.
- 12 Westmorland and Aberdeen Sts.
- 13 Northumberland and Saunders Sts.
- 14 Brunswick and Smythe Sts.
- 15 Charlotte and Smythe Sts.
- 16 George and Northumberland Sts.
- 17 King and Northumberland Sts.
- 21 York and Queen Sts.
- 23 York and George Sts.
- 24 Queen and Westmorland Sts.
- 25 Brunswick and Westmorland Sts.
- 26 Charlotte and Westmorland Sts.
- 27 King and York Sts.
- 28 Saunders and York Sts.
- 31 Queen and Regent Sts.
- 32 Needham and Regent Sts.
- 34 Queen and Carleton Sts.
- 35 Brunswick and Carleton Sts.
- 36 Charlotte and Carleton Sts.
- 37 George and Regent Sts.
- 38 King and Regent Sts.
- 43 Aberdeen and St. John Sts.
- 44 Queen and St. John Sts.
- 46 Brunswick and St. John Sts.
- 46 Charlotte and St. John Sts.
- 51 King and Church Sts.
- 52 George and Church Sts.
- 53 Union and Church Sts.
- 54 Shore Street and Waterloo Row.
- 55 George St. and University Ave.
- 56 Lansdowne St. and Waterloo Row.
- 57 Grey St. and University Ave.
- 112 Aberdeen and Smyths Sts.
- 113 Northumberland and Argyle Sts.
- 121 Victoria and Westmorland Sts.



Special Offer!

Universal

Electric Waffle Iron

ONLY \$2.00 DOWN

Balance \$1.80 a month for 5 months, a
total of \$11. Of if you pay cash, only \$10.75.

This offer is for February only. See this iron today.



MARITIME ELECTRIC CO., LTD.
OF THE Associated System
FREDERICTON, NEW BRUNSWICK.

The National Pastime

