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THE BEAVERTON GARAGE

Mr. Flynn Manager

A representative of the Union
Oil Co. has surveyed Burns with
the view of securing a suitable lo-
cation to establish a branch of the
concern there.

FROM OUR CORRESPONDENTS

Interesting Little Notes from the Surrounding Country as
Told by Our Active Special Correspondents Weekly

ALOHA-HUBER

Mrs. Alice Wheeler was a recent
Beaverton visitor.

John Dobbins of Beaverton
was a visitor here last week.

Mr. and Mrs. W. E. Brome en-
tertained friends from Longview Wash.
Sunday.

Mr. and Mrs. Joe Puck have sold
their place in Reedville and moved to
Portland.

High Lewis and daughter
Jean were Beaverton visitors the
first of the week.

Mr. and Mrs. Edger Lushy are
parents of a son born at their home,
Friday of last week.

Charles Maxie of Wheeler Ave.
is receiving treatment at the Good
Samaritan hospital in Portland.

Mr. and Mrs. Frank Pulver are
parents of a son, born at their
home in Huber, Saturday of last
week.

Mr. and Mrs. Andrew Denholm
entertained Portland friends at a
dinner in their home on Stacy Ave.
Sunday evening.

The Parent Teacher's made a
little over forty dollars on their
cafeteria lunch, served at the school
house Friday of last week.

Mr. and Mrs. Wright are parents
of a daughter born at the Wilcox
Memorial hospital in Portland last
week. Mrs. Wright will be remem-
bered as Rachel Clark.

WE PRINT
CATALOGS PRICE LISTS
The Beaverton Review.

KINTON HAPPENINGS

Mr. and Mrs. Charles VanKleek
were Monday evening callers of
friends here.

A crew of men shingled the roof
of the new addition to the grange
last Wednesday.

Mr. and Mrs. Earl C. Bell were
dinner guests Sunday of Mr. and
Mrs. E. L. Cox.

A. J. Larkin of Scholls, tax as-
sessor for this district, was making
his rounds last week.

A telephone has been installed in
the home of Mr. and Mrs. Warren
Wilson. Their number is 2053.

A. Davies, a former resident, now
of Nacarts, has been spending the
past week at his Kinton home.

Frank Webber of Garden Home
was a visitor last Thursday at the
home of Mr. and Mrs. August Dall-
mann.

George Snider had a crew of men
topping onions the first of the week
and loaded a car at Robinson sta-
tion Wednesday.

Mr. and Mrs. A. P. Herrick and
son Donald of Portland were visi-
tors Sunday at the home of Mr. and
Mrs. E. L. Cox.

Mrs. William Hanson of Scholls
grange and Mrs. Ruby Meyers of
Laurel were present at the grange
session Saturday.

Mrs. Charles Elsworth and chil-
dren and Roy Warren of Portland
spent the week end at the home of
Mrs. Louise VanKleek.

Miss Luella Dallmann, who is em-
ployed in Portland, spent last Wed-
nesday evening with her parents,
Mr. and Mrs. A. H. Dallmann.

Mrs. Lilly Bierly and daughter,
Mrs. Ethel McCormick, who are
spending the winter in Hillsboro,
were at their ranch here Thursday.

All members of Ladies' Aid so-
ciety, and others who wish to at-
tend, are invited to attend the regular
meeting at the church, Thursday.

Mrs. Pearl Tozier and Mrs. Har-
riett Ford, Kinton school teachers,
attended the session of the teacher's
association held at B. H. S. Satur-
day.

Mr. and Mrs. D. E. Beck and sons
Stanley, David and Thomas, of
Portland were recent guests at the
home of Mr. Beck's sister, Mrs. Ro-
bert Pomeroy.

Elwood Wilson, who was operated
on last Tuesday at the St. Vin-
cent's hospital for appendicitis is
reported as getting along as well as
can be expected.

Mr. and Mrs. Charles VanKleek,
members of the local grange, at-
tended the "Grange Day" program
at the First Methodist church of
Forest Grove, Sunday.

The quarterly conference of the
Evangelical churches in this district
will be held with the local church
Friday evening, April 26. The pre-
siding elder will be present.

When steaming a pudding, if the
saucepan in which you are boiling
potatoes is placed over the steamer
one gas or electric burner will cook
both pudding and potatoes.

Candy pans are better greased
with butter, because some of the
grease from the pan will stick to
the candy and will be tasted first
when the candy is eaten.

Unsweetened canned milk gives
better results than sweetened if no
fresh milk can be obtained.

HOW MUCH COAL WILL YOU THROW AWAY THIS WINTER? EXPERTS ASK, THEN TELL HOW TO REDUCE WASTE

HOW many B. T. U.'s will your
heating plant waste this win-
ter?

That, according to the Holland In-
stitute of Thermology, of Holland,
Mich., is the key-question every home-
owner should study in trying to re-
duce his fuel bills.

B. T. U., means British Thermal
Unit. It is the scientist's yardstick for
measuring heat. One B. T. U. is the
amount of heat required to raise one
pound of water one degree in tempera-
ture or, as applied to warm air heat-
ing plants, the amount that will raise
the temperature of 55 cubic feet of
air one degree. So the heating engi-
neer figures the value of fuel, the
heat losses prevented by insulation
and the efficiency of a heating plant
in B. T. U.'s.

In seeking an efficient and econom-
ical way to keep your home comfort-
able through the winter, there are

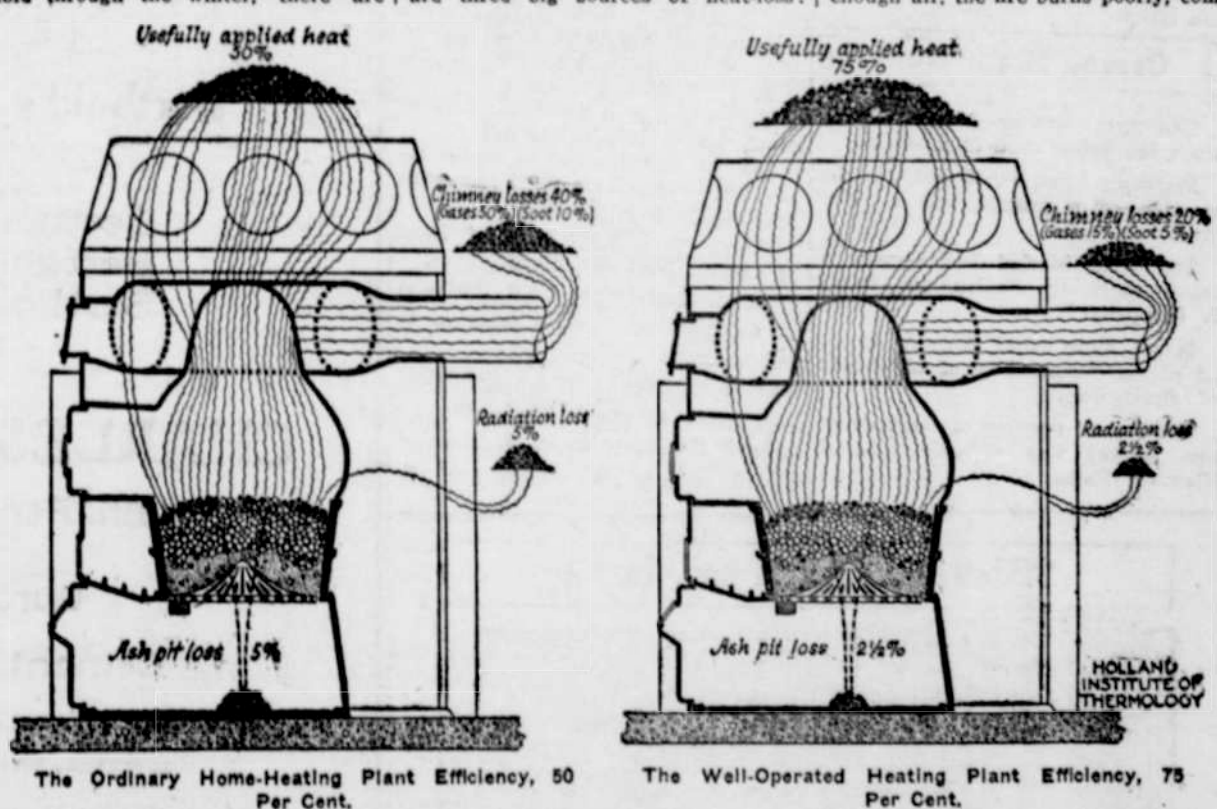
and deliver them upstairs. In power
plants operated by experts, it some-
times is possible to utilize as much as
70 or 80 per cent of the heat-value of
the fuel. At the other extreme are
countless home-heating plants which
utilize only 25 or 30 per cent.

50-75 Per Cent Efficiency Possible.
While it is true that a portion of
the heat-loss is unavoidable, it should
be the aim of every household to
reduce the loss to a minimum. This
is possible with several modern heat-
ers, of which the vapor-air or the
super-circulating types of warm air
circulating systems may be consid-
ered as examples. Proper firing of
such a plant should increase the per-
centage of heat-value utilized to 30
or even 75 per cent. If the home-
owner will study the technique of firing
and caring for his heating plant.

In the ordinary house-heater there
are three big sources of heat-loss:

upstairs may radiate a wasteful
amount of heat. This can be detect-
ed fairly easily and corrected by in-
sulating the pipes properly. The same
thing is more likely to be the case
with the smoke-pipe connecting the
heating plant with the chimney. Then
there are the losses that occur from
excessive radiation by the heater it-
self. Most often these are due to a
poor installation, and the only way to
avoid them is to select a heating plant
produced by a reliable concern and to
have it installed according to an ap-
proved engineering code.

Heat losses up the chimney are by
far the greatest factors in fuel waste.
From 10 to 20 pounds of air are nec-
essary to burn one pound of coal.
This air must be supplied by a draft,
and the draft is regulated by the
chimney and the dampers in the heat-
er. If the chimney does not supply
enough air, the fire burns poorly, com-



If your home-heater is operated a little better than the average found in the great majority of American homes, 40 per cent of the heat in the fuel you burn is lost up the chimney, 5 per cent through excessive radiation into the basement and 5 per cent by coal dropping into the ashpit. If you follow the methods of firing recommended by heating engineers, you can cut these losses so that 75 per cent of the B. T. U.'s in the fuel will be usefully applied.

three things to consider. First, there
is the amount of heat contained in
the fuel. One pound of Illinois soft
coal contains about 11,900 B. T. U.'s;
of Indiana soft coal, 11,500; of Ken-
tucky, 11,800; of Pocahontas, about
14,000; and of anthracite coals, 13,000
B. T. U.'s.

Buy B. T. U.'s, Not Black Rock.
Industrial companies that consume
great quantities of coal buy it on this
basis. This is not entirely practical
for the average home-owner, but you
can reduce your total fuel bills consid-
erably by studying fuels and remem-
bering that you pay your money, not
for a certain weight of black lumps,
but for a number of heat units.

How many of these B. T. U.'s your
heating plant extracts from the fuel
and transmits to the rooms that need
warmth is the second vital question
affecting heating economy. The third
one is, What becomes of the heat
after the heating plant delivers it to
the upstairs rooms? Heat is contin-
ually "leaking" through apparently
solid walls. Great quantities of it
are lost through cracks around win-
dows and doors. Insulation retards
the loss of heat through walls and
roofs. These aspects of the home-
heating problem come under the head
of construction; but the Holland In-
stitute of Thermology is more con-
cerned with the heating plant itself.

No heater of any kind or class will
extract all the B. T. U.'s from fuel

the ashpit, radiation of heat into the
basement, and the chimney.

As much as 10 per cent of the total
B. T. U.'s in a ton of coal may be
lost by allowing unburned or partial-
ly burned bits of coal to drop through
the grate into the ashpit. This is
most likely to happen when coal of
too small size is used, when the grate
is shaken too often and not carefully
enough, and when the fire is poked
and prodded more than necessary. If
care is exercised in selecting coal and
firing the heater, the heat-loss at this
point can be kept down to 5 per cent
or even less, so that sifting the ashes
will be unnecessary.

Avoiding a possible loss of 5 per
cent or more of the total value of the
fuel at this point is a reason why the
home-owner should study grates. A
center-pivoted grate of the cone-
shaped type is an efficient preventive
of excessive losses here.

Too much radiation from the cen-
tral heating plant into the firing-room
is another fuel waste. The basement
must, of course, be warm; when it is,
it helps keep the first-story floors
comfortable. But, whereas inefficient
central heating plants lose as much as
20 or 30 per cent of the B. T. U.'s
in fuel from this source, it should be
possible to keep the figure down to
10 per cent, or even less, with mod-
ern warm air circulating equipment.

The piping that carries the warm
air, water, or steam from the heater

bustion is not complete and some of
the heat-containing combustible mate-
rial goes up the flue in the form of
soot and dense smoke.

Less Frequent Firing Is Cheapest.

On the other hand, if the chimney
is high enough and big enough in area
to supply more draft, and if the damp-
ers are opened too much, the heat
from combustion may be carried up
the flue before it has had a chance to
warm the heating surfaces inside the
plant. Less frequent firing of the
better grades of coal, firing before the
fire becomes too low, and proper at-
tention to regulation of ash-door and
fire-door dampers will help to keep
down losses due to improper air
supply.

So by selecting the right kind and
size of coal, by closing an efficient
and modern heating plant and having
it installed according to an approved
engineering code, the average house-
holder can reduce by a big percentage
the number of B. T. U.'s wasted by
the consumption of fuel in his heat-
ing plant.

The Holland Institute of Thermol-
ogy points out that this means a di-
rect saving. If the net efficiency of
the heating plant can be increased
from 40 per cent to 60 per cent—
which is not beyond the bounds of
practical possibility under the condi-
tions that have been described—the
home-owner will have to buy only two
tons of coal where he now buys three.

LETTERS

From Our Readers

(Clippings of a letter from Ralph
Watts, a former Beaverton boy, to
his folks, from Manila, Philippine
Islands. He says he is glad that
he joined the navy.)

"Last September our division went
from China to Kobe, Japan. Navy
ships hadn't been there since the
earthquake, and, to my surprise, we
were treated royally and have had
a very good time. On the way to
Japan from Chefoo, China we ran
into a typhoon. For three days and
two nights none of us got any rest.
If you tried to sleep in your bunk
you would get thrown out on the
deck. The waves were so high half
of our ship would be out of the
water at a time, then come with a
bang which seemed like each one
would break the ship in half. The
decks were washed all the time.
About two-thirds of the ship's crew
were sea sick, and those of us that
could eat had to live on sandwiches
for it was impossible to cook or
to keep anything on the mess ta-
ble. These typhoons are very ter-
rible for you have to hang on to
something all the time. Even on
watch in the engine room I had
to hang on to the trolley to keep
from sliding across the engine room."

The joint meeting of representa-
tive purebred breeders and the Wash-
ington County Fair, board which
resulted in the ruling that all cat-
tle exhibited at the fair, except
calves under six months, must be
tested for contagious abortion,
should do much to encourage cat-
tle exhibitors at the coming Wash-
ington County fair. One of the rea-
sons given for failure to exhibit
has been the fear of contracting
diseases at the fair. Several breed-
ers have already expressed their in-
tention to show dairy cattle account
of this new ruling.

It is reported that the Washing-
ton County fair board is the first
in the United States, to require
this test. Newspaper reports indi-
cate that other Oregon fair man-
agements are following this lead.

Sixth street in Gearhart is be-
ing widened.

FARM REMINDERS

The fertilization of soil for to-
matos in Oregon sometimes pre-
sents a problem to the gardener.
While a good foliage growth is nec-
essary for a full crop of fruit,
there is a possibility of the plants
making too great a growth of leaves
and stems at the expense of the
fruit. Fresh manure is not good,
as any fertilizer for tomatoes is
best well rotted, fine and thorough-
ly mixed with the soil. Two or
three ounces of balanced or com-
plete commercial fertilizer is often
used in growing tomatoes, being
applied at the time the plant is
set in the garden says the experi-
ment station.

A study of vegetable varieties
used in Oregon indicates the stand-
ard varieties are preferred, and with
few exceptions, the number of var-
ieties of each vegetable selected by
the gardener is small, although
there is a large variety offered by
seedmen. A copy of the suggested
list can be obtained by writing the
experiment station.

Considerable interest is manifes-
ted in Oregon at this time in the
growing of beets for canning pur-
poses. An important consideration
is using the right number of pounds
of seed per acre. This will vary of
course with the distance between
the rows. As a general rule, five
to seven pounds are used per acre
when the rows are 24 inches apart.
Thinning the plants is undesirable
from the cost standpoint, hence the
importance of observing the thick-
ness of seeding says the experiment
station.

4-H CLUB NOTES

Ivan and Amos Bierly, sons of
Floyd Bierly, of Beaverton, route
3, as a result of their first year of
club work, are looking for better an-
imals for their calf club work.
These boys are members of the
Kinton Calf Club led by J. J. Van
Kleek. Mr. Bierly says the boys
have discovered through club work
that "The best can be made bet-
ter."

Victor and Alphonso Vander-
schueren enrolled last week in calf
club work. These boys reside on
route 4, Hillsboro, and have pur-
bred Holstein calves. Two brothers
of Victor and Alphonso are expect-
ing to get into a calf club soon.

O.S.C. Co-ed Debaters Argue That Science Is Aid to Faith in God



Mamie Erickson, Bend, (above)
and Opal Smith Monmouth, Ore-
gon State college debaters.

The moot question of science
and religion which has enlivened
discussions in all manner of groups
from the "hot stove council" to
state legislatures and high courts,
has now come in for consideration
by college co-ed debaters.

Arguing the negative of the
question, "Resolved, that modern
science tends to destroy theistic
faith," two members of the Oregon
State college co-ed debate squad
have just invaded California and
met teams there from the College
of the Pacific at Stockton, Univer-
sity of California at Berkeley and
Mills college at Oakland.

Mamie Erickson of Bend, and
Opal Smith of Monmouth are the
two Oregon girls who maintain
that science and faith in God are
not in conflict but actually help-
ful one to the other. Science without
faith, they say, obviously would be
come a curse, but science domi-
nated by the spirit of religion is
the key to progress and the hope
of the future.

The Oregon team quoted Mi-
chael Pupin, the noted physicist as
saying, "My beliefs as a scientist
do not contradict a single element
of the religious beliefs which my
mother and the people of her na-
tive village held when I was a boy.
Science has simply brought me to a
higher, broader view of the
Creator."

Wherever science has explored
the universe, the Oregon girls said,
it has found unchangeable order
and law. This, they said, leaves no
escape from the conclusion that
back of everything there is a defi-
nite guiding principle. Either this
law and order is the result of hap-
azard happenings or it is the re-
sult of divine intelligence. The
most distinguished scientists them-
selves accept the latter as far more
reasonable.

CHURCH ANNOUNCEMENTS



BETHEL CHURCH

April 14th is Missionary Sunday
in our Church. The morning theme
will be "Missions—an Irritation
an Inspiration." The loose free will
offerings will be dedicated to home
and foreign missions in the Sunday
school and church service.

All members are urged to attend
the special union services, which be-
gin April 14th. The beginning one
will be held at the Nazarene church
Sunday night.

—Donal MacNeil, Minister

Church of Christ

Announcements for April 14, 1929

A special effort is being made for
a large attendance next Sunday. A
special musical feature will be pre-
sented by Zelma and Elsworth Hook-
er, playing the Piano Accordion and
the Banjo. They have been heard
over the radio in Beaverton by a
few. Now hear them without the
radio. You will want to hear this.
They will play at the Bible school
hour which begins at 9:45.

The morning sermon is on "God's
Dynamite."

The C. E. will meet at 7:00.
Something different—come, young
people.

Union services of all four protes-
tant churches will be held at the
Nazarene Church this Sunday eve-
ning. These will be worth your
while. Welcome.

—Oscar A. Cooper Pastor.

Nazarene Church

Sunday April 7

Services Sunday April 14th Sun-
day School 10:00 A. M. Morning
service at 11:00 A. M. by Pastor.
Young peoples meeting 6:30 P. M.
Evangelistic service at 8:00 P. M.
preceded by a testimony service
starting at 7:30.

Come early and enjoy all these
services. This evening evangelistic
service will be the first of a
series of four Union Sunday evening
services to be sponsored by the
protestant churches in Beaverton.
Rev. Oscar Cooper will preach. We
welcome you all, and want you to
bring your friends and help make
these union meetings a success.

All for Jesus.

St. Cecelia Church

Sunday Masses — 7:40 and
10 a. m.
Sunday Catechism — 8:30 and
9:30 a. m.
Baptism — 2 p. m.
Weekday Mass 8:30 a. m.
and 7:30 p. m.
Rev. J. M. O'Neill.

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