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Hello Bill and Sister Sue,
Victory @ Home Coming
JUBILEE
Auspices
B. P. O. ELKS
AND
Ladies Mental Culture
CLUB
The Carnival That's Different
3 BIG JOYDAYS 3
Something Doing Every Minute
Races, Dances, Parade, Band Concerts
Carnival Attractions
In Honor of
Soldiers, Sailors
Marines
Douglas County
July 2-3-4
Come and be a Child Again

Late Arrivals—
Grace H. Boman, Langloh; Mrs.
P. V. Morgan, H. M. Morgan, Eva
Morgan, Grants Pass; Bertha Brown,
Hornbrook; J. E. Dunnavan and wife,
Cottage Grove; C. H. Chandler, Dan-
don; Mrs. Allee Salaman and daugh-

ter, San Bernardino, Cal.; Mr. and
Mrs. Zweig, Glendale; I. Hartley,
Glendale, Cal., are among the recent
arrivals at the grand hotel. At the
Empqua scene: John C. Almack, Ka-
sane, Capt and Mrs. N. O. Brockett,
Seattle; C. G. Allen, Reedport; R.
M. Kistho.

BEST METHODS FOR
GROWTH OF PRUNES

COUNTY FRUIT INSPECTOR EARL
PEARCY ASSEPTS THAT THE
HEAVY SHEDDING IS DUE TO
THE PRECEDING DRY SEASON
IN THIS COUNTY.

ADVOCATES EARLY CULTIVATION

Early Cultivation Will Increase the
Set of Prunes Under Such Con-
ditions, is the Assertion
Made by Mr. Pearcy.

By Earl Pearcy
(Fruit Inspector, Douglas County).
An enormous crop of blossoms in
the prune orchards of the Umpqua
valley, Oregon, this spring raised the
hopes of the growers into the Hud-
son super-six class. Experienced
prune men estimated the crop during
bloom time at 14,000,000 pounds when
11,000,000 pounds had been the
previous high-water mark. About
that time buyers began to flood the
prune districts with record prices,
offering 12, 13 1/2 and up to 15 cents
a pound for 30 to 35's, the highest
price ever received for this fruit
since the industry was raised to the
plane of commercial production.

Conditions had been ideal in every
way for a heavy set. The winter
had been mild, there were no frosts
of consequence, and no brown rot
infections to shed the blossoms.
With every factor then apparently
perfect for a bumper set of fruit,
what was the amazement of the
grower to see his crop shed off day
by day but 50 per cent of the
original estimates remained. Many
tracts were left barren. One well-
known grower with a contract in his
pocket calling for 15 cents a pound
for 30 to 35's on 50,000 pounds of
fruit to sell his crop for \$10.

Comparative observations in hun-
dreds of orchards under varying con-
ditions leads the writer to conclude
that a certain cultural practice is di-
rectly responsible for this unusually
heavy crop. The summer of 1917
was dry in the Umpqua valley. This
was followed by another record dry
spell in 1918 which caused many
peculiar physiological disturbances to
occur. A familiar one was an exten-
sive gumming followed by a drying
of the tissues of the fruit, resulting
in a heavy pre-harvest drop. Drier-
men state that prunes dried out ear-
lier in 1918 than in any previous
year. Prunes ran 28 to 31 pounds to
the bushel, while Italians went as
heavy as 25 to 26 pounds. Much
wood was saved and the growers
generally were pleased at the close
of the season.

The excessive drought reduced the
quality of the Italians somewhat but



William Deason in
'The Mints of Hell.'
At the Antlers Tomorrow.

not the Pettis, at least in the Ump-
qua valley, a sthis variety is fond of
warm weather and does not require
the cool growing season that the
Italian does. Incidentally it may be
noted that the Petite prune reaches
a remarkable degree of perfection in
the Myrtle Creek section, which is
the earliest marketing district in
western Oregon.

The contention of the writer is
that the heavy shed is due to the
preceding dry seasons which left the
fruit buds weakened. The crop in
Douglas county was not above the
average but the moisture supply was
much less. This resulted in a heavy
bloom followed by a drop. Spitzzen-
berg apples, on the other hand, had
no crop in Douglas county in 1918;
therefore, in the tracts which were
cared for the fruit spurs received
sufficient nourishment with the re-
sult that the Spitzzenberg crop is very
promising this season.

Prune growers everywhere have
been coming to the practice of early
plowing and subsequent frequent
cultivation. The result has been that
there are fewer crop failures in the
prune business of late years than for-
merly. Had the 1918 season been
normal the difference in crops be-
tween orchards which were treated
properly early in the spring and
those which were not would not have
been so great. As it is the differ-
ence is very striking. The lesson is
apparent in various districts in Dou-
glas county. For instance, W. C.
Harding, of Roseburg, worked his
ground early in 1918 and also in
1919. He has a good crop this sea-
son, as well as last season, while
neighboring orchards otherwise
treated well so far as pruning, spray-
ing, and fertilizing are concerned,
have very shy crops and one in par-
ticular on similar soil and the same
age has no crop at all. Harding, in
other words, preserved his soil mois-
ture early for the time when the
fruit would draw heavily. The result
was that the fruit received its share
and the fruit buds for the coming
season also drew their portion. The
other orchards matured their 1918
crop but had no reserves to strength-
en the 1919 buds.

Clas Flann manages an old 20-acre
orchard at Duns Creek which yielded
a large crop in 1918 on both Italian
and Pettis. This season the fruit
batches on the trees like grapes. In
contrast another orchard just over
the fence on like soil and of the
same age produced a poor crop last
season and has still less this year.
Still another grower on the opposite
side of Ulan's, who handles his soil
similarly, also has a heavy crop.

Investigation showed that both
Knight and Flann were devoted to
early ground work and thorough cul-
tivation. Both of these men irri-
gated last year and both operate
tractors. It is not claimed that ir-
rigation is necessary in western Ore-
gon for prunes, but certainly in dry
seasons a judicious use of water is
beneficial. In fact, irrigation is sim-
ply intensified cultivation.

Horticultural authorities advise
that whenever nitrate of soda is
used on fruit trees it be applied very
early in the spring for maximum re-
sults—at least three weeks before
blossoming time. In other words,
for nitrate to become of use to the
setting fruits it must be applied in
time for the chemical processes to
occur before bloom. A watery sap
flow at this time is not conducive to
proper nourishment of the young
fruits and fast-growing shoots.

The warming effect on the soil
caused by plowing and cultivating
early in the season starts the chemi-
cal processes similar to the one pro-
duced artificially by the application
of nitrate of soda. The top layer of
ground is the soil laboratory in
which moisture, heat, and certain
bacteria play an important part. The
writer takes the viewpoint that cold
soils will not permit sufficient activ-
ity to take place to properly nourish
the growing shoots and the setting
fruits at the same time. Especially
is this true after a dry summer when
a sufficient supply of food could not
be laid up in the plant tissues to-
ward the fruits over from the blossom
stage until the natural warmth of
late spring should cause these soil
processes to occur. It seems likely
that, so far as the Umpqua valley is
concerned, had the summer of 1918
been normal with exposures to natu-
ral conditions there would have
been a bumper crop of prunes this
year, as every other favor was favor-
able.

One grower asserts that plowing
at bloom time puts off a mass of feed-
ing rootlets in the upper layer of
soil which checks the soil circulation
until new rootlets have been formed.
Early work gives these rootlets a
chance to grow in time to supply the

Low Prices
on a
Rising Market

Due to the fact that we antici-
pated the steady advance that
is taking place in the price of
cotton yarn, and bought when
the prices slumped, late last
fall, we are able to offer you
some unusual values in Dal-
brigan underwear, shirts,
drawers, and union suits.

75c
a garment for a finely textured
material in the two piece,
\$1.50 for the Athletic style,
and a short sleeve long legged
union suit, just the right
weights for summer use. Come
in while we have a full run of
sizes.



CASTORIA
For Infants and Children
In Use For Over 30 Years
Always bears
the Signature of
Chas. H. Fletcher.

blossoming fruits with ample nour-
ishment. It is certain that tractors
have come to stay in the prune in-
dustry because of the necessity of
quick ground work at a certain sea-
son of the year. Whether irrigation
or nitrate will become a regular
practice is still to be determined. It
seems probable, from the writer's ex-
perience, that both of these practices
have their places under certain con-
ditions of weather and terrain.—Har-
riet Homestead.

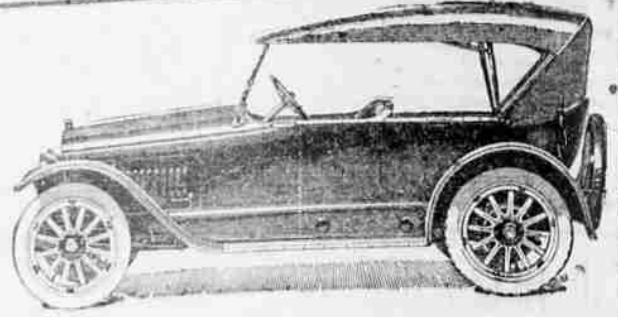
NOTICE TO CONTRACTORS;
HIGHWAY CONSTRUCTION.
Douglas County, Oregon.
Sealed bids will be received by the
County Court of Douglas County,
Oregon, at the courthouse in Rose-
burg, Oregon, at 2 o'clock p. m. on
the 2nd day of July, 1919, for con-
struction work and macadamizing
on a section of road between the city
of Roseburg, Oregon, and the post
office of Ironville.
The work involves approximately
1.22 miles of construction work and
macadamizing, the limits being
more particularly described as from
Engineer's Station 1+00, which is
the intersection of East Avenue road
and Howe street, 1st Brookside Ad-
dition to Roseburg, to Engineer's
Station 63+98.7.

No bid will be considered unless
accompanied by cash, bidder's bond
or certified check for an amount
equal to at least five (5) per cent of
the total amount of the bid.
A corporate surety bond will be
required for the faithful perform-
ance of the contract in a sum equal
to one-half of the total amount of
the bid.
Plans, specifications, forms of
contract, proposal blanks, and full
information for bidders may be ob-
tained at the office of the county
clerk or the office of the county
commissioner of Douglas County, Ore-
gon, at the courthouse, Roseburg,
Oregon, upon the deposit of five dol-
lars.

The right is reserved to reject any
or all proposals or to accept the prop-
osal or proposals deemed best for
the county.
By order of the County Court.
Dated June 12, 1919.
R. H. LENOX,
County Clerk.

Insure your prune dealer with G.
W. Young & Son. Reliable old line
fire insurance. Phone 417.

1919
Maxwell
The unexcelled choice
for
LIGHT CAR
Up to the Minute
in
Style
and
Equipment
Comfort
Durability
Economy
H. MERTEN
Roseburg, Ore.
Distributor for Douglas Co.
Service Station 214 E. Oak.
Phone 211.



Just received a car load of
the New
Victory Model Mitchell
The New Victory Model offers no eccentricities. There are many
new features but no experiments. It is based on 16 years of Mit-
chell experience, plus experience of many specialists.
Long cantilever rear springs make this car superior in riding com-
fort.
J. F. Barker & Co.
Implement, Vehicles & Automobiles.
Roseburg, Oregon.

MAIRSHFIELD AND MYRTLE
POINT AUTO STAGES.
Leave G. W. Hupp's store, 123
Sheridan street, daily; also other
stages for Cumas Valley, Pool, Res-
tan and Cleveland. Phone 24.
ANNUAL STOCKHOLDERS' MEET-
ING.
The annual stockholders' meeting
of the Umpqua Savings and Loan
Association will be held at the office
of the Douglas Abstract Company,
248 North Jackson street, Roseburg,
Oregon, at 7:30 p. m., Wednesday,
June 25, 1919, for the purpose of
electing directors for ensuing year
and such other business as may regu-
larly come before the meeting.
H. G. PARROTTE,
Secretary.
Cabbage plants for sale at the
home of H. R. Church, 318 E. Com-
mercial Ave. Phone 315.
Arundel, piano tuner. Phone 189L.
DAILY WEATHER REPORT.
U. S. Weather Bureau, local office,
Roseburg, 24 hours ending 5 a. m.
today:
Precipitation in inches and hun-
dredths:
Maximum temperature . . . . . 72
Minimum temperature . . . . . 51
Precipitation . . . . . 0
Total precip. since start of mo. . . . .
Normal precip. for month . . . . . 1.97
Total precip. from Sept. 1, '18 . . . . . 34.93
Average precip. from Sept. 1, . . . . . 35.56
Total excess from Sept. 1, '18 . . . . . .52
Average precip. for 42 wet sea-
sons, Sept. to May, inclusive) 31.48
WILLIAM BELL, Observer.
Forecast:
Forecast to 8 p. m. tomorrow for
southwestern Oregon:
Tonight and Sunday fair.
If you have something to sell or
rent try an Adv. in The Review.

The Sign of Service
We have in stock
Willard
Storage Batteries
For all makes of Cars
We are equipped to repair and
recharge all makes of storage
batteries, and to handle all au-
tomotive electrical troubles.
We specialize in these lines
and therefore can give you the
best of service.
You are cordially invited to
call and inspect our plant, and
also to avail yourself of our
free testing, filling, and con-
sulting service.
Remember our motto is
A Square Deal
and a
Satisfied Customer
AUTO ELECTRIC STATION
312 N. Jackson St. Phone 136

Fordson Tractor
Price Reduced
\$750 f. o. b. Detroit
Place Orders Now
and be sure of delivery, as production is
limited and we will not be able to supply
the demand.
This Reduction in Price is sure to Stimulate the
Demand
First Come, First Served
PLACE ORDER TODAY
W. A. BURR & SONS
DOUGLAS COUNTY AGENTS

Jersey Cream
ICE CREAM
Douglas County Creamery Phone 340

We Will Have
Our Plant Completed about June 1st,
and
Will pay the going market prices for all
Supplies.
We are now ready to contract for:
Loganberries, Royal Ann Cherries and
Bartlett Pears.
Sutherlin Fruit Products Company
Sutherlin, Oregon