

CITY NEWS NOTES

SAVING—A man on W. 11th street, over a paper carriers bike, refused to even take the boy downtown to have it fixed.

Waldo Davis will play his bells Monday in Portland at 8 p.m., at the state capital of the Sons of Union Veterans of the United States.

Springfield volunteer fire department will hold a fire drill at 7:30 p.m., June 21, at the city fire station.

Jaunita Rebekah will meet Monday, June 20, at 8 p.m.

theses written by graduates in the University of Oregon in completion of the requirements for doctorate degrees will be available in the university library.

Laura Hill an, for many years a teacher in the Eugene public schools, has moved from Rt. 1 to the Menominee Home.

Olson and **Leland** Eugene, were married by a Roseburg justice of the peace, Associated Press reported.

Low Watts and **Larry** are to leave Sunday for the Music Camp at Stockton, on a scholarship furnished

Warm Weather Brings Work for Railroad Police Agents

Beyond routine troubles, such as the presidential visit are Masson's work. For the recent protection was organized in hours of rehearsal with city and state police.

The responsibility has not borne heavily on Masson, who grins and says, "The work is still interesting. We meet the people."

Charles E. Ruth died Friday at a local hospital. He was born Jan. 10, 1886, at Beamsville, Ontario, Canada, and moved to the United States at the age of 21. He married Zelma Sullivan at Montgomery, Ala., Dec. 14, 1894, and lived in Lane County the past 21 years. He was a member of the Baptist Church.

Surviving are his widow; five children, Bert, Richmond, Calif.; Mrs. Queenie Schull, Coburg; Ralph and Lily Teague, Eugene; Sybil Anderson, Coburg; nine grandchildren; four sisters, Bertha Brooke, Annie Brooke and Agnes Rose, all of Canada; Mable Forge, Santa Clara; two brothers, Percy Ruth, Canada, and Fred Ruth, San Antonio, Texas.

Services will be at Poole-Larsen Mortuary Monday at 2 p.m. with Rev. J. J. Ray officiating. Interment will be in Rest Haven Memorial Park.

Gertrude Anderson died at her home at 1766 Moss St., Saturday. She was born in St. Cloud, Minn., May 17, 1872, and came to Oregon at the age of 17 years.

She is survived by a daughter, Mrs. Fred E. Cole, Eugene; a son, John W. Anderson; a grandson, Milton E. Anderson; and one brother, William M. Cox, Camino, Calif. Simon Chapel is in charge of funeral arrangements.

Marsel J. Arnel died Friday at his home. He was born at Summit Oct. 9, 1887, and married Cora Workham Dec. 26, 1899 at Mabel.

Surviving are his widow; a brother, Arzell Arnel, Whittier, Calif.; and two nephews.

Services will be at Bartholomew-Buell Mortuary in Springfield Wednesday at 11 a.m. with interment in Marcola Cemetery.

Casper Grupp died at his home at Rt. 2, Junction City, on Friday. He was born in Wisconsin, Dec. 8, 1879, came to Oregon in 1901, and was married in Eugene Oct. 20, 1940, to Erna Langmack.

Surviving are his widow; a son, Lawrence; his mother, Apollonia Franz, Springfield; three brothers, Carl, Junction City, and Joseph and Felix in Eugene; two sisters, Lena Pepiot, Springfield, and Mrs. Walter Hilderbrand, Junction City.

Services will be announced from Simon Mortuary.

SELBY PRESERVER SHOES Exclusively at **BURCH'S** 104 1/2 Willamette

Adobe Style

PUMICE BLOCKS

The building block with the LONG LOW LINES that you have seen and admired throughout the Southwest. SEE THEM AND COMPARE

PUMICE BUILDERS SUPPLY

10% DOWN **NEWBERG COTTAGE**

20'x20' Cottage\$159.50 Down
12'x12' Cottage\$117.50 Down

We can now furnish a cozy cottage completely erected on your property for \$1,595 exclusive of foundation.

When erected, cottage consists of outer walls fully sided with Rustic siding—floors—doors and windows, also completely roofed. Window boxes and shutters. Partition studs, the plan chosen by you, are furnished.

— TEMPORARY OFFICE —
Inter-City Rug & Upholstery Cleaners
3760 Highway 99 So.
Phone 3431-R
— OFFICE OPEN SUNDAYS —

Astronomer Gives Formulas For Distance of Horizon Line

By J. HUGH PRUETT

The horizon, that mysterious boundary where sky and earth seem to meet, appears from some places to be quite distant. But it is always very close.

When the term is used to denote the merging of stretches of level land or quiet water with the sky, its distance may be determined fairly accurately by a simple formula.

Due to Curve
It is generally known that the phenomenon of a distant, unobstructed horizon is due to the curvature of the spherical earth. The surface drops eight inches in a mile.

This means that if a carpenter's level were placed on the surface of a large, quiet body of water and if a straight line were drawn along

the lower edge of this instrument and continued for a mile, at this distance the water would be eight inches below this extended line.

At the end of two miles the drop would be two times that at one mile, but four times; at three miles, nine times; at four miles, 16 times, etc. Eight inches is multiplied by the square of the distance in miles. The drop would amount to 24 feet in six miles.

Reversing conditions, let us consider how far away one may see the surface of a large, quiet body of water or perfectly level plain where one's eye is at various heights. One may use the principal just given or the more convenient formula which is stated as follows:

Square Root
The distance (in miles) equals 1.224 times the square root of the height (in feet).

Just in case some readers are slightly "rusty" on the extraction of square root, a few solutions are given here. A tall man whose eyes are six feet above the beach is standing at the edge of a lake as "smooth as glass."

At a distance of three miles the water seems to meet the sky. There an entire ship could be seen "riding the horizon." If farther away, part or all of the ship would be hidden.

If it extended 24 feet above the water, our tall man could see the top of it when nine miles from him.

Eye Range
But considering the horizon alone, one's eye 24 feet above the beach would see 6 miles; at 100 feet, 12.25 miles; at 400 feet, 24.5 miles; at one mile, 89 miles; at two miles 126 miles.

At 13.7 miles, the height reached by Stevens and Anderson in their stratosphere balloon over South Dakota in 1935, one could see over 300 miles and even detect the earth's curvature.

The figures given above are on the assumption of an absence of atmosphere. Due to the "lifting" effect of atmospheric refraction, one can actually see about eight per cent farther than the amounts given above. The formula itself breaks down when the distances become excessive.

Car cleaning—One day service. Electric Cleaners, 1210 Willamette.

Records
MUNICIPAL COURT:
No lights: Thomas C. Donace (and turning between intersections), \$15.
Drunk and disorderly: Thomas Schram, \$25 and 30 days in jail; Myron G. Lewis, \$25; Bert Bryan Jacques, \$10.
Failure to yield right-of-way: Jonathan Ticecomb, \$25; William F. Purcell, \$25; E. A. Andrus, \$5.
Improper passing: Norman L. Hill, \$5.

Nora Good
Nora Good, 63, of 110 Lawrence St., died June 18 at a local hospital. She was born Feb. 27, 1886, at Van Wert, Ohio, and married John Good at Middle Point, Ohio, in 1906. She lived in Eugene 24 years.

Surviving besides her widow are nine children, Lee, Cloverdale, Ore.; Austin, Whittier, Calif.; Gale, Eli, Nev.; Don, Clark and Glenn, all of Eugene; Mrs. Rae Chapman, Portland; Margie Smith and Mrs. Neta Loomis, both of Eugene; and a brother, Noah Distler, Eugene.

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Marsel J. Arnel
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Services will be at Bartholomew-Buell Mortuary in Springfield Wednesday at 11 a.m. with interment in Marcola Cemetery.

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We Specialize In CHRYSANTHEMUMS

Don't envy your neighbor's flowers, grow your own! Here are some more varieties of chrysanthemums offered for this week.

★ Mrs. Sam P. Rotan, apricot bronze double 40c
★ Yellow Irene, small pompon40c
★ China Gold, golden bronze quilly double 50c
★ Hilda Canning, small bronze pompon40c
★ Hasegawa Gold, large golden pompon25c
★ Sea Gull, large white pompon25c

EARLY STRAIGHT QUILLED SPIDERS — LARGE MAY BE DISBUDED

★ Patricia Grace, pink35c
★ Miss Gena Harwood, apricot buff35c
★ Yellow Rayonnante50c

MANY OTHER HARDY EARLY AND LARGE TYPES STILL AVAILABLE. ALSO THE NEW ENGLISH EARLY VARIETIES.

Read's 'Mum' Gardens
1171 7th Ave. West

Four Accidents Bring Citations

Although property damage resulting from them was relatively slight, Friday accidents resulted in citations to one driver and citations to Eugene's municipal court for three others.

Joseph Jacobs, Rt. 2, Eugene was taken to the Eugene Hospital for treatment Friday afternoon after his car collided with another driven by Fred Dompler, 740 Filbert Ave. The accident, at 3:05 p.m., occurred at the intersection of Monroe and Blair Sts. and Eighth Ave. Neither driver was arrested following police investigation of the mishap.

A ticket was issued, however, to Donald G. Griswold, Horsehead, N. Y., after he collided at 2:45 p.m. with Mary E. Wagner, Rt. 1, Eugene, at Monroe and Broadway. Griswold was charged with failure to observe a stop sign.

Charged with the same type of offense was Frances L. Young, 1543 Fifteenth Ave. E. His car collided at 9 a.m. with one driven by Lowell M. Anderson, 925 Chesire. The accident took place at Seventh Ave. and Oak St.

Friday's third arrest after an intersection collision involved Nick Grosulak, 1640 Oak St., who collided with Creston F. Hoare, 1610 Mill St., at Sixteenth and Oak. This accident, reported at 2:04 p.m., led to the arrest of Grosulak for failure to yield the right-of-way.

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Read's 'Mum' Gardens
1171 7th Ave. West

Griffin, 110 Merry Lane, a daughter, June 11, 1948.
BISHOP—To Mr. and Mrs. Thomas B. Bishop, 1225 Mill St., a daughter, June 10, 1948.
GREEN—To Mr. and Mrs. John D. Green, 222 River Road, a daughter, June 10, 1948.
NESHEIM—To Mr. and Mrs. Donald Nesheim, Box 61, Westfir, a son, June 11, 1948.
PETERSON—To Mr. and Mrs. Ira Peterson, 260 Clover Lane, Springfield, a daughter, June 11, 1948.
MICHAEL—To Mr. and Mrs. Alva Michael, Rt. 1, Veneta, a son, June 11, 1948.
SUNNER—To Mr. and Mrs. James R. Sunner, 1775 Charlotte St., a daughter, June 11, 1948.
OLSEN—To Mr. and Mrs. Norman Olsen, 1448 East Main, Springfield, a son, June 11, 1948.

Basic rule: Samuel Rex Burt, \$10; John David McLain, \$25; Arthur F. Allison, \$5; Kenneth C. Hodgins, \$15; Marvin G. Loevas, \$25; Donald E. Taylor, \$25.
No driver's license: Howard M. Woods, \$15; William F. Purcell, \$5; Alfred Ambrose, \$5.
Drunk: Ernest Harold McReynolds, 10 days in jail.
Defective muffler: Floyd Lee Holland, \$10; Ralph W. Hill, \$10; Clarence A. Coninsky, \$5; James Russell Fox, \$10.
Failure to dim lights: Wayne T. Waldson, \$10.

Stop sign: John C. Wood, \$5; Vincent Ray, \$5; Richard R. Westmoreland, \$5.
Steekless driving: Gabriel P. Kilwein, 1780 Twelfth Ave. W., \$50.

MARRIAGE LICENSES
Gilbert W. Macke, Hansen Lane, and Allen K. Dyer and Wilda Panning, both of Springfield; Joe McClean, Dorena, and Dale L. Dixon, 2129 Potter St., Medford; Iulus Bendishalder and Louise May McKim, both of Rt. 2, Eugene; Bill Riddle, 1441 Clark St., and Arlene Louise Tribble, both of Eugene; Jack Dixon and V. Louise Plant, both of Springfield.

CRIMINAL COURT
Probate: Estate of George Christensen, deceased, \$12,614.82, appraised value; Estate of Gertrude Horton, deceased, \$4000, appraised value.

Divorce suits filed: Coren M. Gafford vs. Burt D. Gafford, cruel and inhuman treatment, plaintiff seeks custody of one minor child; Walter B. Jones vs. Lurley Jones, cruel and inhuman treatment, defendant seeks restoration of former name, Lurley Holcomb.

BIRTHS
At Sacred Heart Hospital
BAEGER—To Mr. and Mrs. John Baeger, Springfield, a daughter, June 13, 1948.
PURNELL—To Mr. and Mrs. Robert Purnell, 85 North Madison, a daughter, June 13, 1948.
LYAU—To Mr. and Mrs. Richard Lyau, 1843 15th Ave. E., a son, June 13, 1948.
HOLLAND—To Mr. and Mrs. Merrill J. Holland, Crest Drive, a daughter, June 13, 1948.

BATES—To Mr. and Mrs. Robert D. Bates, Rt. 2, Creswell, twin sons, June 14, 1948.
CATON—To Mr. and Mrs. Jack D. Caton, 2220 Bessie St., a son, June 14, 1948.
LONGAN—To Mr. and Mrs. Leonard E. Longan, 1192 High St., a son, June 14, 1948.

BOGAN—To Mr. and Mrs. Jack L. Bogan, 286 18th Ave. W., a daughter, June 14, 1948.
FARLEY—To Mr. and Mrs. James Farley, 560 Fourth Ave. W., a daughter, June 14, 1948.

REED—To Mr. and Mrs. Roy K. Reed, 70 Dolly Lane, a son, June 9, 1948.
CHARTRAND—To Mr. and Mrs. Lionel Chartrand, Rt. 1, Springfield, a son, June 10, 1948.

TROXEL—To Mr. and Mrs. Delbert Troxel, 301 Eighth Ave. W., a daughter, June 10, 1948.
HISBER—To Mr. and Mrs. Wilmer J. Hisber, Oakridge, a daughter, June 10, 1948.

RUCH—To Mr. and Mrs. Fred Ruch, 925 Chesire St., a son, June 10, 1948.
TAYLOR—To Mr. and Mrs. Wade H. Taylor, Vida, a son, June 10, 1948.

CHIFFIN—To Mr. and Mrs. Chester E. Chiffin, a son, June 10, 1948.

A Year to Pay
Fine Photo Equipment
Standard Optical Co.
820 Willamette Avenue

Register-Guard, Eugene, Ore., Sun., June 20, 1948, Page 3
June 11, 1948.
SEXTON—To Mr. and Mrs. Grant Sexton, General Delivery, a son, June 11, 1948.
ANDERSON—To Mr. and Mrs. Gene W. Anderson, 222 West K, Springfield, a daughter, June 11, 1948.
MOORE—To Mr. and Mrs. Max W. Moore, Harrisburg, a daughter, June 11, 1948.

PIKE—To Mr. and Mrs. Amos W. Pike, Rt. 1, Junction City, a son, June 11, 1948.
KAY—To Mr. and Mrs. Donald R. Kay, 1543 15th Ave. E., a son, June 11, 1948.
YOWELL—To Mr. and Mrs. Ray Yowell, McKenzie Bridge, a son, June 11, 1948.

OLIN—To Mr. and Mrs. Eldon R. Olin, 133 D St., Springfield, a son, June 11, 1948.

KNOW YOUR PAINTING CONTRACTORS
These painting and decorating contractors are fully covered with liability and other necessary insurance.

LOOK FOR THIS

PAINTING DECORATING CONTRACTORS AMERICA

IT IS YOUR PROTECTION —

W. R. Ashby 6387-R
Andrews Painting Service 2752
J. O. Binns & Sons 5458
Eugene Sign Co. 2364
Harper & Petersen 855-J
John J. Jeppesen 11-F-22
Earl Kay 3198-J-2
Westfall & Sons 2636

L. R. Kibbe 6446-J-1
E. J. Lange & Company 803
J. L. Parmenter 5942-J
Pascal Peek 3334-W
L. W. Strand Spr. 7687
Axel M. Thorsfeldt 80-F-21
Walter Werb 6513-W
H. A. Titus 667

OPENING . . . SOON

EUGENE MUSIC CO., INC.

WALT WEATHERS — FREDDY YAHN —
RED PETERS — "HOBBS" GLAZIER
Formerly with Jacquith Music Co.

COMPLETE LINE—
PIANOS — BAND & ORCHESTRA INSTRUMENTS —
ORGANS — ACCORDIONS — GUITARS —
Repairs and Supplies for All Instruments

WATCH FOR ANNOUNCEMENT OF GRAND OPENING

GOODWIN—To Mr. and Mrs. James A. Goodwin, Skinner Butte Villa, a daughter, June 12, 1948.
EDWARDS—To Mr. and Mrs. John C. Edwards, 2160 Patterson Drive, a son, June 14, 1948.

Godall Power Mowers
CLARK BROS.
HARDWARE
1991 West 6th Phone 80

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Montgomery Ward

Save on Juvenile Furniture

Choose the best for baby with nursery pieces from Wards. Each one is built for long service . . . priced for thrift!

FOLDING CARRIAGE-COACH
Lightweight steel frame with quilted and lined artificial leather body. Non-tip safety stand.
21.95

FOLDING TRAINING SEAT
Sturdy hardwood in easy-to-clean finish. Comfortable full panel back . . . strong safety straps.
2.39

TWO-IN-ONE HIGH CHAIR
Converts easily from high chair to play table! Full panel back, wide-spread legs,