

The PILOT

AN INDEPENDENT NEWSPAPER
Entered as second-class matter, at the postoffice at Brookings, Oregon,
March 7, 1946, under the Act of March 3, 1879.

Ray Pisarek, Joe Murphy

Editors and Publishers

SUBSCRIPTION RATES:

One Year in Advance (in Curry County) \$3.00
One Year in Advance (outside Curry County) \$3.50



NATIONAL ADVERTISING REPRESENTATIVE

WEEKLY NEWSPAPERS REPRESENTATIVES, INC.

New York Chicago Detroit Philadelphia



VISUAL PERCEPTION—Part 4

Last week we discussed the properties of light, and how light is filtered, to create the colors which we see. It was briefly stated that there are two distinct systems of color. This week I shall describe some of the effects these two systems have in painting.

Some chemical compounds or solutions, which are translucent, appear one color when they reflect light, and quite another color when light passes through them. In the first case, certain light particles are absorbed in the process of reflecting light, while in the second case other light particles are filtered out, as the light passes through the substance.

Some sea shells have a bluish or greenish cast, when they are seen by light being reflected from them, but they have an amber or reddish color when light passes through them. This writer has a sea shell, which filters out the warm colors, when light is reflected from its surface, while the cool colors are filtered out when light passes through it. When it reflects light it has a pearl like color quality; the tones are in the blue range; blue-green, blue and blue-violet. On the other hand when it is seen with light passing through it, it's color is close to a bright orange.

From the above observations, it seems obvious, that there are two distinct processes at work, in filtering light. Stained glass windows usually look very different from the outside, from what they do, when viewed from the inside. Very often the light which is reflected from an object, is the exact complement to the color of light which passes through it.

Because of the tricky character of translucent colors, used in glazing it requires a skilled craftsman to obtain satisfactory results. For the benefit of the readers, who are not familiar with the term, "glazing" I shall briefly describe the process.

In the High Renaissance and Baroque schools of painting, (roughly between the sixteenth and seventeenth centuries) many masters, painted the entire picture with a single color high-lighted with white. Because of the durability of earth colors, brown pigments mixed with white, were used to do the modeling of form. After this undercoat was dry, they proceeded to paint over it with glazes. The glazes were made by mixing certain colors, which are naturally inclined to be translucent, with a durable varnish. In this manner of painting the undercoat was allowed to show through the glaze. The under-painting gave the modeling of form, while the glaze added the necessary color.

Some of the artists, who under-painted with warm colors, glazed with cool colors, except where bright warm areas were desired. Other artists did their under-painting with shades of neutral gray, using mostly warm colors for glazing. Rubens and Van Dyke used both of these methods. Still other artists did their under-painting with pure color, which they applied in flat patterns, and used the glazes to model the form, and subdue the colors. This system was used by the Italian masters, during the early Renaissance era. This method of painting is then more difficult, of the two systems. It is difficult to control glazes for modeling form. Most modeling is done by blending the paints while they are wet. Another reason why glazing over pure color is more difficult, lies in the fact that, glazes are often a near-complement to the undercoat colors. Unless the artist is familiar with the many problems encountered, in glazing with a complementary color, the results can be a bit disappointing.

Complimentary color glazing is unpredictable, because there are two kind of filtering processes the work. Light passes through the glaze, which removes some of the colors of the spectrum, reflects from the undercoat, which removes other spectral colors; and is filtered again as it returns back through the glaze. Here again we have two processes at work, namely subtraction by reflection, and absorption by the translucent glaze.

For anyone who likes to experiment, and has infinite patience, tones that are most gratifying can be obtained by glazing. Color qualities as obtained by glazing, are unattainable in any other way. Beautiful effects can be obtained by glazing over gold leaf, or silver leaf, that would be impossible with mixed paints. The beauty of glazes, lies in the fact, that, you obtain the pure color quality, which is normally restricted to the light spectrum.

For readers who are interested in more technical information, there are numerous books written on the subject, which can be obtained from any large art store, or public library.

Next week I shall describe a simple card-board disk, which can be made in your own home, for testing the chromatic intensity and compliments of all colors.

ATTEND FORUM AT LINFIELD COLLEGE

Mrs. John Burbach and Mrs. Lloyd Weeks returned Saturday from McMinnville, Oregon where they attended a Woman's House Party held at Linfield College that was sponsored by the American Baptist Convention.

The ladies spent a busy week-attending the different classes. Missionary services and program planning, leadership training, devotions and how to speak in public were among those studied as well as Guild girls program. Mrs. Burbach is president of the Community Baptist Church Missionary Society.

William Weidman returned Sunday by plane after visiting relatives in Chicago about six weeks. The plane couldn't land in Crescent City, so Roy drove to Arcata to pick him up.

pipe dreams



joe murphy

We returned late Sunday night from a restful weekend trip to San Francisco. It is stimulating to get away for a change of scenery and atmosphere once in a while, to pick up new ideas and to see new things. It helps you appreciate what you have more, and prepares you for another couple of months work.

Lot of interesting things to report on the trip, but I'll let it go. However, all those who buy my coffee during the next week will be entitled to a full report on the Barbary Coast.

This county is really growing up. A new doctor has come into Port Orford, and of course, Dr. Sam Gibson in Brookings. This makes a total of seven for Curry County, with the county's population probably in excess of 10,000 now.

By this time next year we should be in the midst of a hot political campaign. I wish it was this year as there is nothing more exciting than politicians calling each other names, and making accusations of one sort or another. I am willing to bet that next November will see Wayne Morse and Paul Patterson fighting it

out. Or else the Republicans would be making more of a stir about some other candidate. On the National campaign we will, I'm sure see "The and Stevenson. The reason for making these predictions is that the State G.O.P. headquarters subscribed to the Pilot last week, and I thought they might be interested".

State Vehicles

Hit New Mark

Oregon motor vehicles rolled an estimated 645 million miles in June to set an all-time travel high for that month, secretary of State Earl T. Newbry reported Friday.

department of state, topped that of June a year ago by 59 million miles, Newbry said. Mileage is estimated by applying an average miles-per-gallon figure obtained from the Public Roads Administration.

Oregon gasoline sales for the month reached 56,392,767 gallons, up 5,471,817 from the total reached in June of 1954.

The state's peak gasoline month was July of 1954 when sales totaled 58 million gallons, a record almost certain to be exceeded this year, Newbry said.

Thirty-one persons died in traffic accidents during June, an average of 4.8 fatalities in each 100 million miles of aggregate street and highway travel. This average, referred to by safety men as the "mileage death rate," was 5.2 in June last year.

WATER - WATER

In our fair land of lakes and rivers
And heavy rainfall in the winter;
Yet when skies are blue in summer
Comes the cry of Water! Water!
Do not use this precious water
Wait until the summers ended,
Let your lawns turn brown and wither,
Let your gardens die, my brother
God will send us rain in the winter.

For a bath go to the sea shore
To the shining big sea water
Take your clothes down to the river,
Wash them in the clean, clear water
As our far off brothers wash them
Spare this priceless thing called Water.

Rise up early in the morning
Cultivate your plants and gardens
Keep the ground well stirred around them
Try hard to conserve the moisture
Or dig a deep, deep well my brother
Till you reach the sparkling water
Water that is never muddy
Clear as crystal like the Chetco.

Some day in the rosy future
Men may plan to give us water
All the water that is needful
For our ever-growing city.

Anon Y. Mous

HOSPITAL PLANS MADE

A hospital for Brookings is in the planning stage. This could mean a lot to the area, and any support given to the planners at this stage will help make it easier.

Dr Paul Ronniger and Dr. T. F. McKenna propose to build a clinic now, with the hospital planned for a later date. The hospital itself will require public subscription either in the form of donations or the selling of stock. We advise everyone who can possibly afford it to start getting the old sock out, because hospitals cost money.

It would be less expensive to build the hospital and the clinic at the same time. The site is adequate, but planning should be given so that there will be plenty of room for possible expansion, and for parking facilities.

What we propose is what the city itself is taking steps to do. They have appointed Fell Campbell, as a councilman, to look into the matter.

We think that a citizens committee should be appointed to work with Dr Ronniger and Dr. McKenna, and Councilman Campbell. We don't want to be too hasty about this, but we can't afford to pass up this opportunity either.

The group should set up some type of concrete plan on the building, and on the costs. It should set up plans to find some means of running the hospital once it is completed. It should find out first, of course, whether the needs of the hospital exists here, and what revenue and expenses such a hospital might require for its operation. It should set up rules and regulations in a general way so there can be no complaints or criticisms later.

It is vitally important to have a hospital. But we want to do it the right way.

OCEAN DRIVE-IN THEATRE

ON HIGHWAY 101 — 5 MILES NORTH OF CRESCENT CITY

August 5 - 6 CinemaScope

— FIRST RUN CRESCENT CITY —

MOONFLEET
Stewart Granger — Viveca Lindfors

Cattle Queen of Montana
Barbara Stanwyck — Ronald Reagan (Tech)

August 7 - 8

THE BAREFOO CONTESSA
Humphrey Bogart — Ava Gardner —
Edmond O'Brian (Tech)

SUDDENLY
Frank Sinatra — Sterling Hayden — Nancy Gates

August 9 - 10 - 11 CinemaScope

UNTAMED
Tyrone Power — Susan Hayward — Richard Egan

Quest For The Lost City
Diana and Ginger Lamb (Tech)

Because Buick sales are soaring past all records—

We're declaring a profit-sharing bonus for you



1. You Profit on the Trade-In Deal
—with the biggest allowances in our history.

2. You Profit on the Buy You Make
—because in Buick you get the thrill of the year—in style, power, performance, value.

3. You Profit on the Resale
—because a Buick always resells high—brings you more money when you trade it in.

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—less the whopping big allowance we'll make on your present car!
†2-door, 6-passenger Buick SPECIAL Sedan, Model 48, illustrated. Any state and local taxes, additional. Prices may vary slightly in adjoining communities. A wide variety of extra-cost equipment and accessories available at your option.

THIS we've never seen before—a sales year that's shattering every record in the Buick book—a soaring success far greater than the one that moved Buick so solidly into the Big 3 of America's best sellers.

So we're going to share profits with you—by stretching our regular big trade-in allowances to practically our break-even point.

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That means you can have Buick

style distinction and prestige—Buick room and comfort—Buick size and solidity—for plenty dollars less on the profit-sharing deals we're making now.

And that means you can have, at a terrific buy, the hottest-action Buick in history—with walloping V8 power raised to new highs, and with the spectacular performance of Variable Pitch Dynaflo*—world's first and only transmission using the switch-pitch principle of the modern plane's propeller.

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sure—and see for yourself that you can now make the biggest buy of the year on the car that's far and away the thrill of the year.

*Variable Pitch Dynaflo is the only Dynaflo Buick built today. It is standard on ROADMASTER, optional at modest extra cost on other Series.

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Biggest-selling Buick in History!

(So we're trading high, wide—and then some!)

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