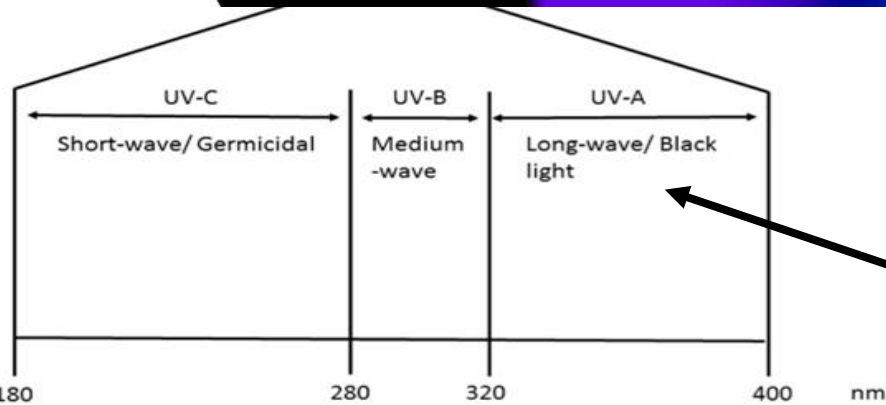
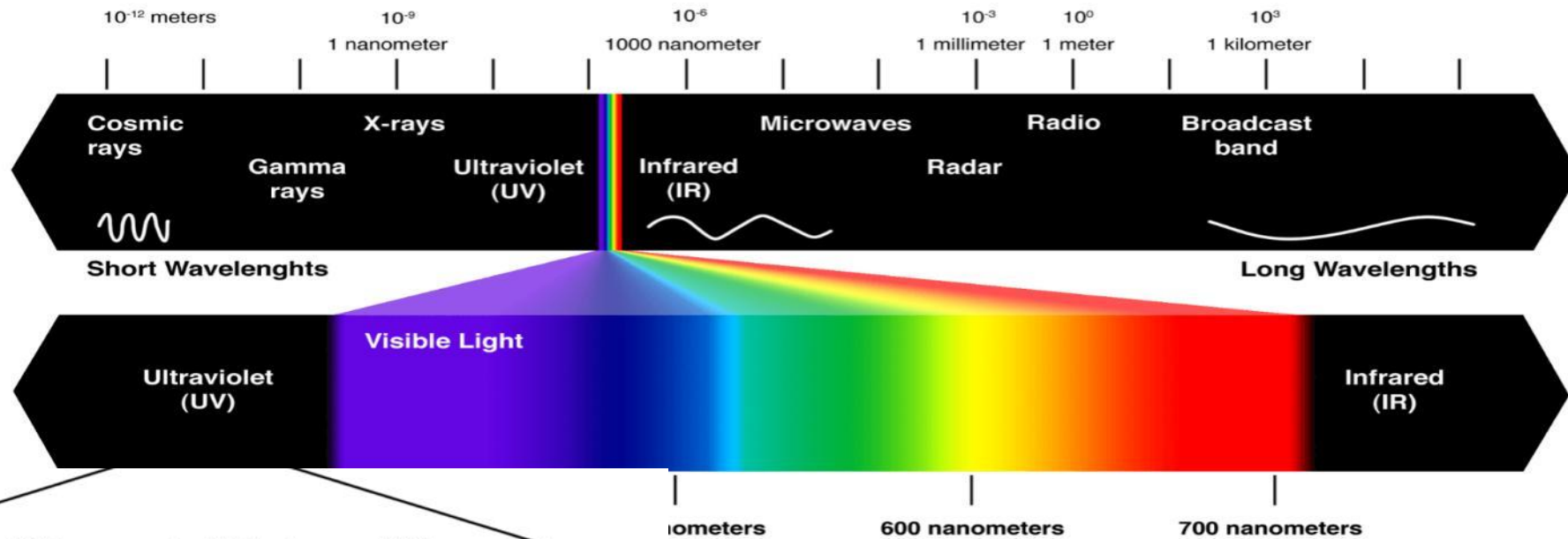


US Modern Luminescent Ink Stamp Varieties

by
Mark Stockburger

Ultraviolet (UV) Light Used to Identify Luminescent Ink Varieties

UV light - a form of electromagnetic radiation, along with visible light, infrared, x-rays etc.
UV light radiates at shorter wavelengths than visible light & cannot be seen by human eye.



Long Wave Ultraviolet (UV) light main source used

Some Definitions

Luminescence is spontaneous emission of light by a substance not resulting from heat; Fluorescence and Phosphorescence are forms of Luminescence

Fluorescence - emission of light by a substance that has absorbed light or other electromagnetic radiation and the reflected light is visible to human eye; material ceases to glow when radiation source is removed often referred to as UV-induced visible fluorescence.

Phosphorescence - emission of light after absorption of light, but material does not immediately re-emit the radiation it absorbs; re-emits it for a period of time after radiation source is removed; think Halloween glow-in-the-dark items

Notes on Stamp Identification Images

- All images of a specific stamp type were taken side by side under same Long Wave Ultraviolet (LW UV) light conditions
- Variations in paper luminescence account for images appearing lighter or darker
- Majority of stamps shown are not listed in Scott Specialized catalog
- Non-luminescent versions are shown on left and luminescent versions on right
- Images shown highlight relative differences in color between varieties
- Color correction has been performed on images to remove excessive blue tint from UV light source
- Colors an individual sees on their computer are affected by many factors including variations in monitors and an individual's color perception

917 & 917c Flag of Yugoslavia



Red ink non-luminescent and luminescent varieties

975 Will Rodgers



Bright Red-Violet ink non-luminescent and luminescent varieties

980 Joel Chandler Harris



Bright Red-Violet ink non-luminescent and luminescent varieties

988 Edgar Allen Poe



Bright Red-Violet ink non-luminescent and luminescent varieties

1067 Armed Forces Reserve



Purple ink non-luminescent and luminescent varieties

1036a & 1036b Abraham Lincoln



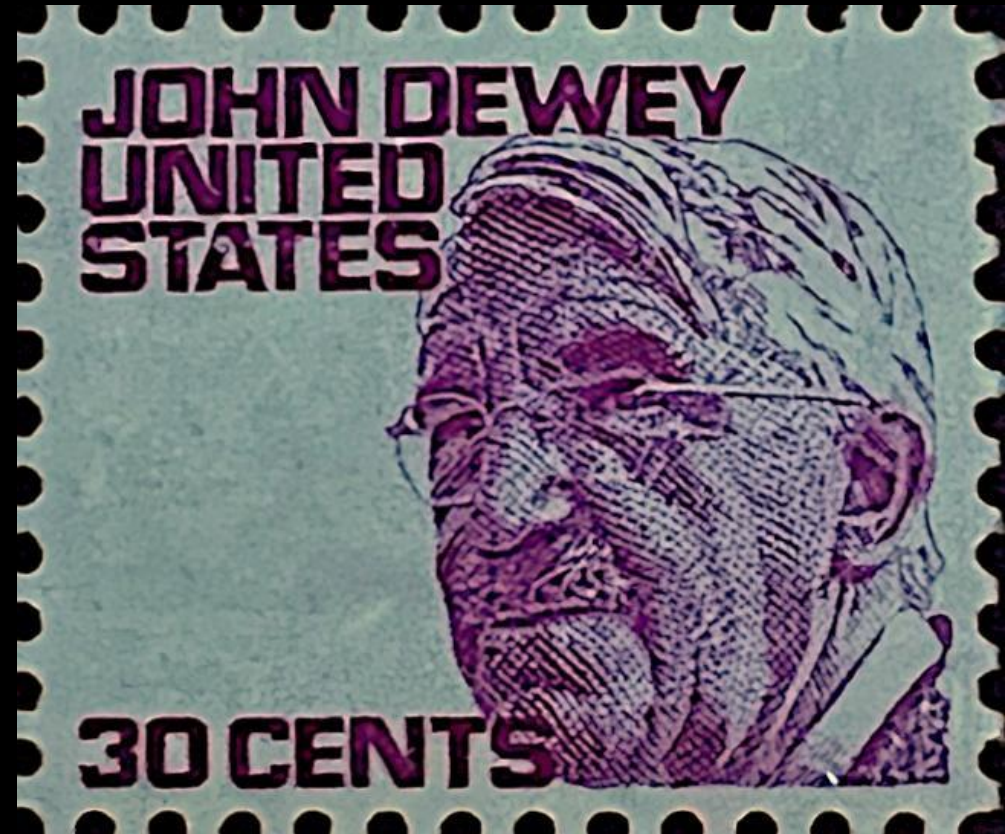
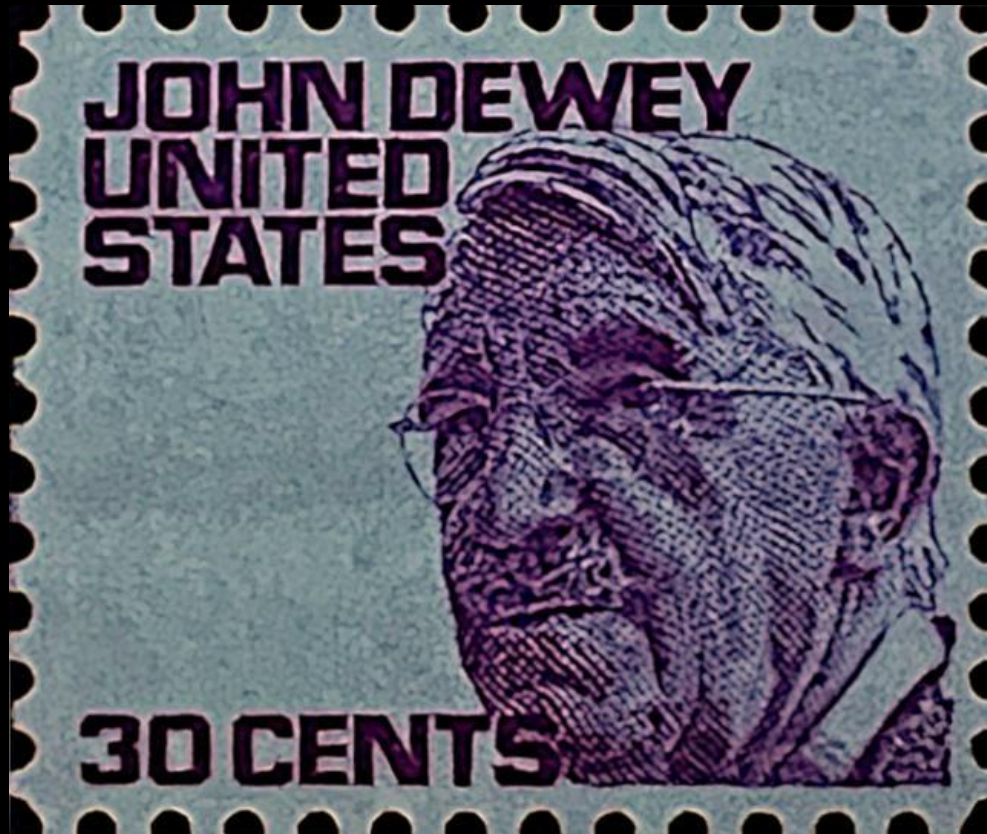
Violet ink non-luminescent and luminescent varieties

1286 Andrew Jackson



Lilac ink non-luminescent and luminescent varieties

1291 John Dewey



Lilac ink non-luminescent and luminescent varieties

1384a Winter Sunday, Norway, Maine, New Haven Precancel



Green overprint ink non-luminescent, somewhat luminescent and luminescent varieties

1396 U.S. Postal Emblem



Red ink non-luminescent and luminescent varieties

1437 San Juan, 450 Years



Yellow ink non-luminescent and luminescent varieties

1550 Angel from Perussis Altarpiece



Yellow ink non-luminescent and luminescent varieties

1571 Worldwide Equality for Woman



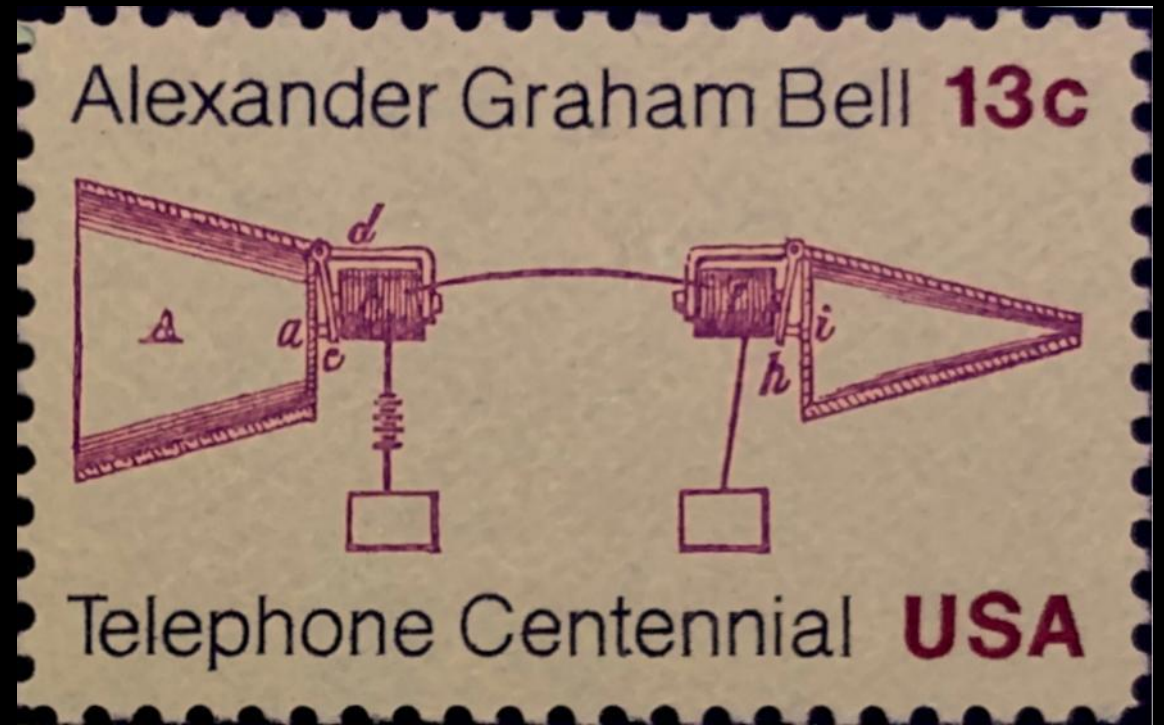
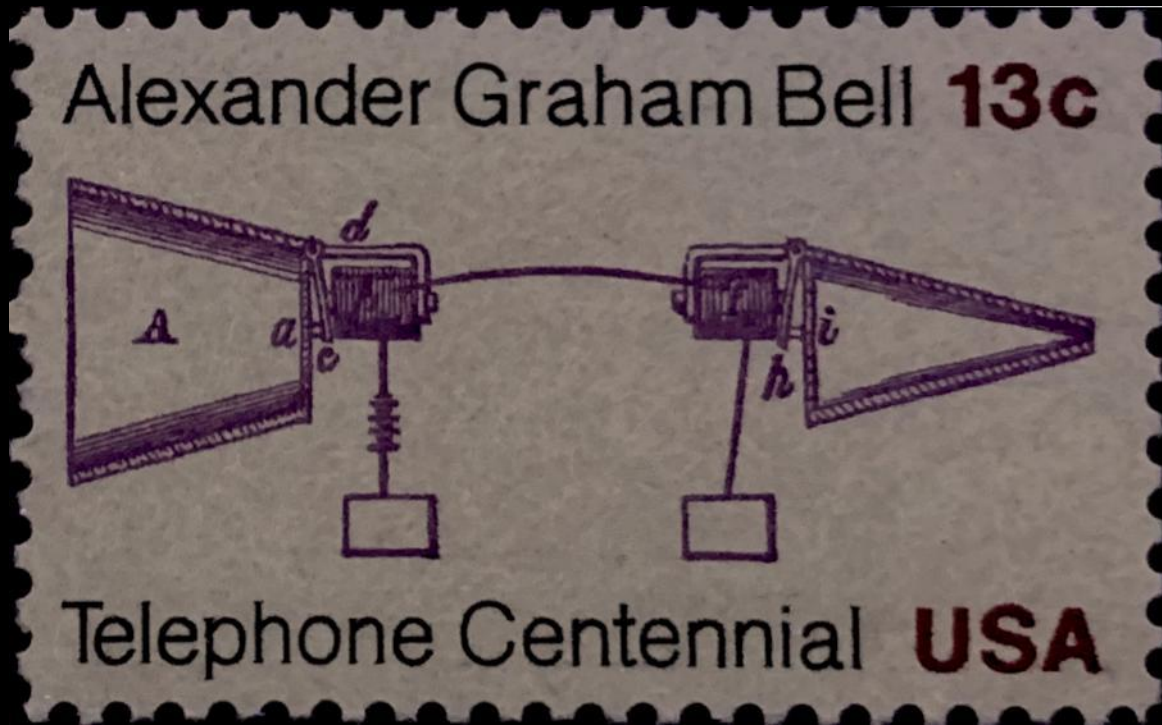
Gold ink non-luminescent and luminescent varieties

1610 Rush Lamp



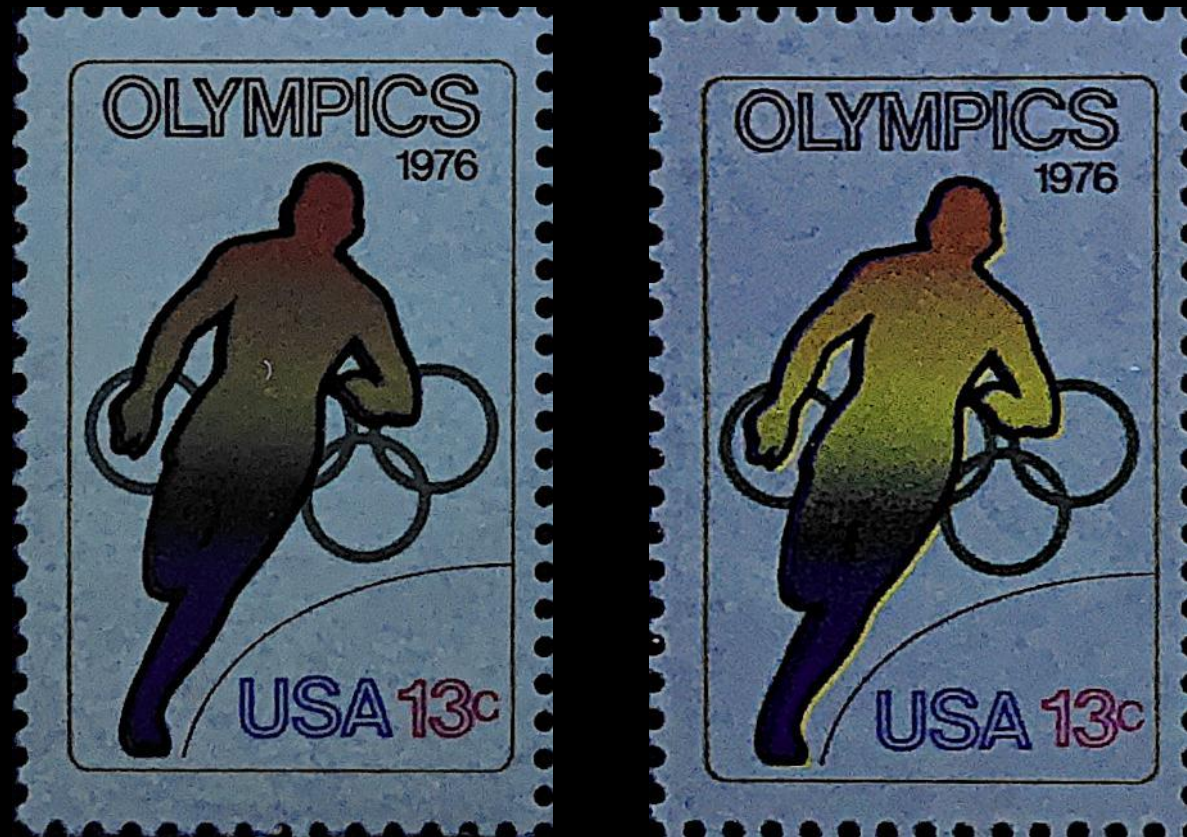
Yellow ink non-luminescent and luminescent varieties

1683 Telephone Centennial



Purple ink non-luminescent and luminescent varieties

1695-98 Olympic Games



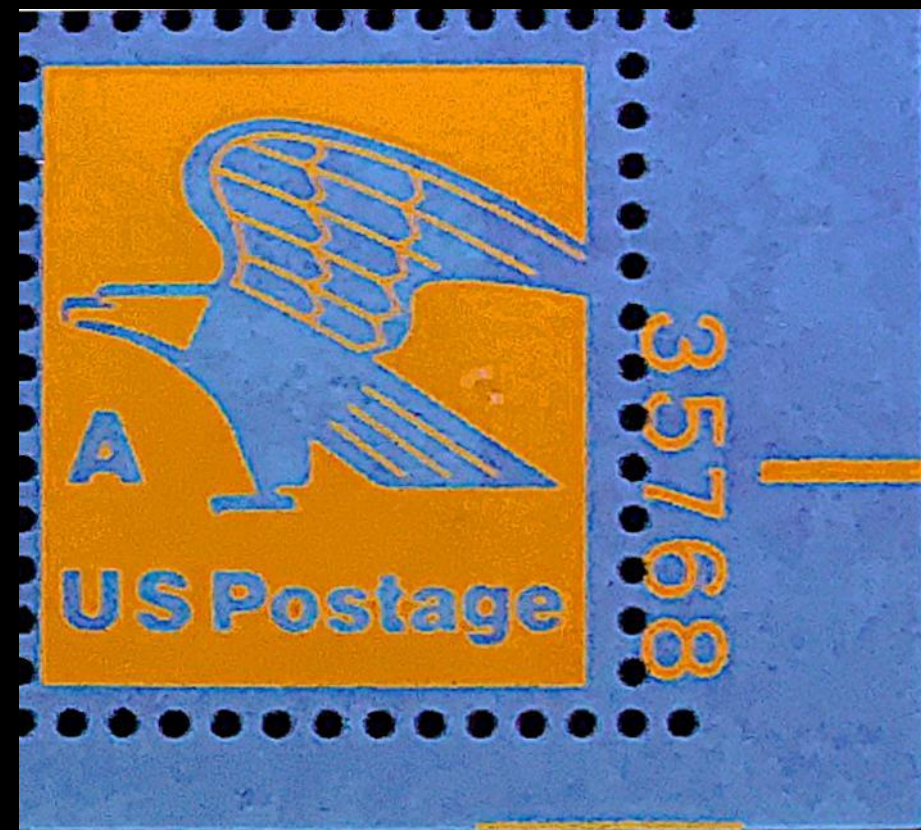
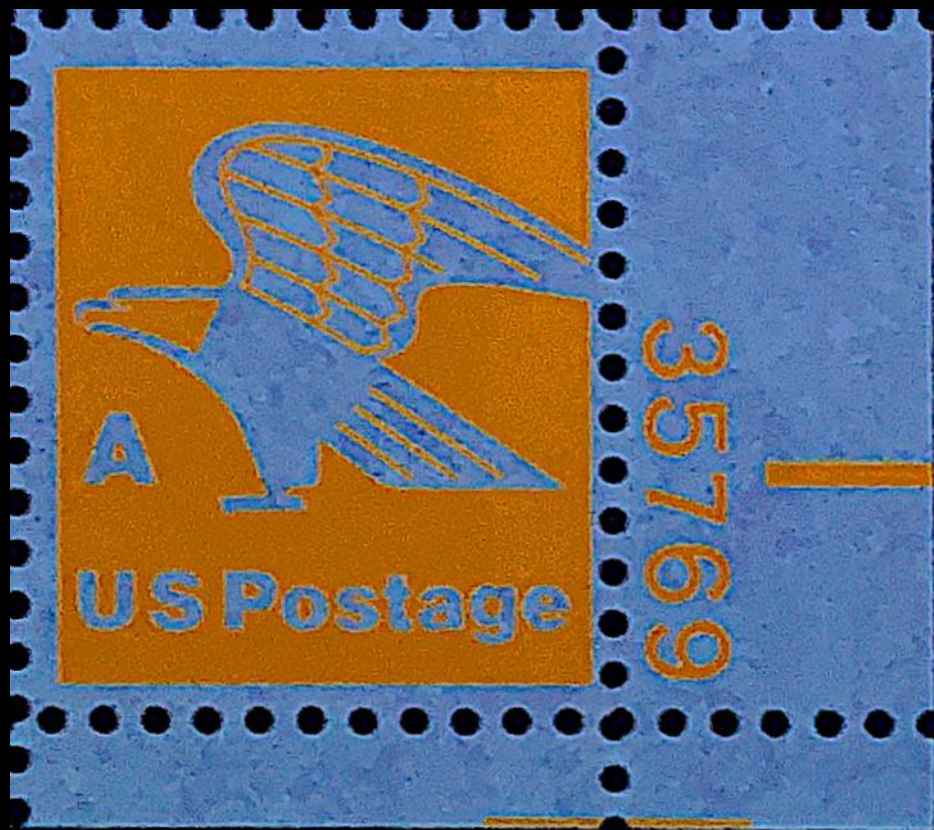
Yellow ink non-luminescent and luminescent varieties

1701 “Nativity” J.S. Copley



Silver & Yellow ink non-luminescent and luminescent varieties

1735 “A” Eagle



Orange ink somewhat luminescent and luminescent varieties

1805-06 National Letter Writing



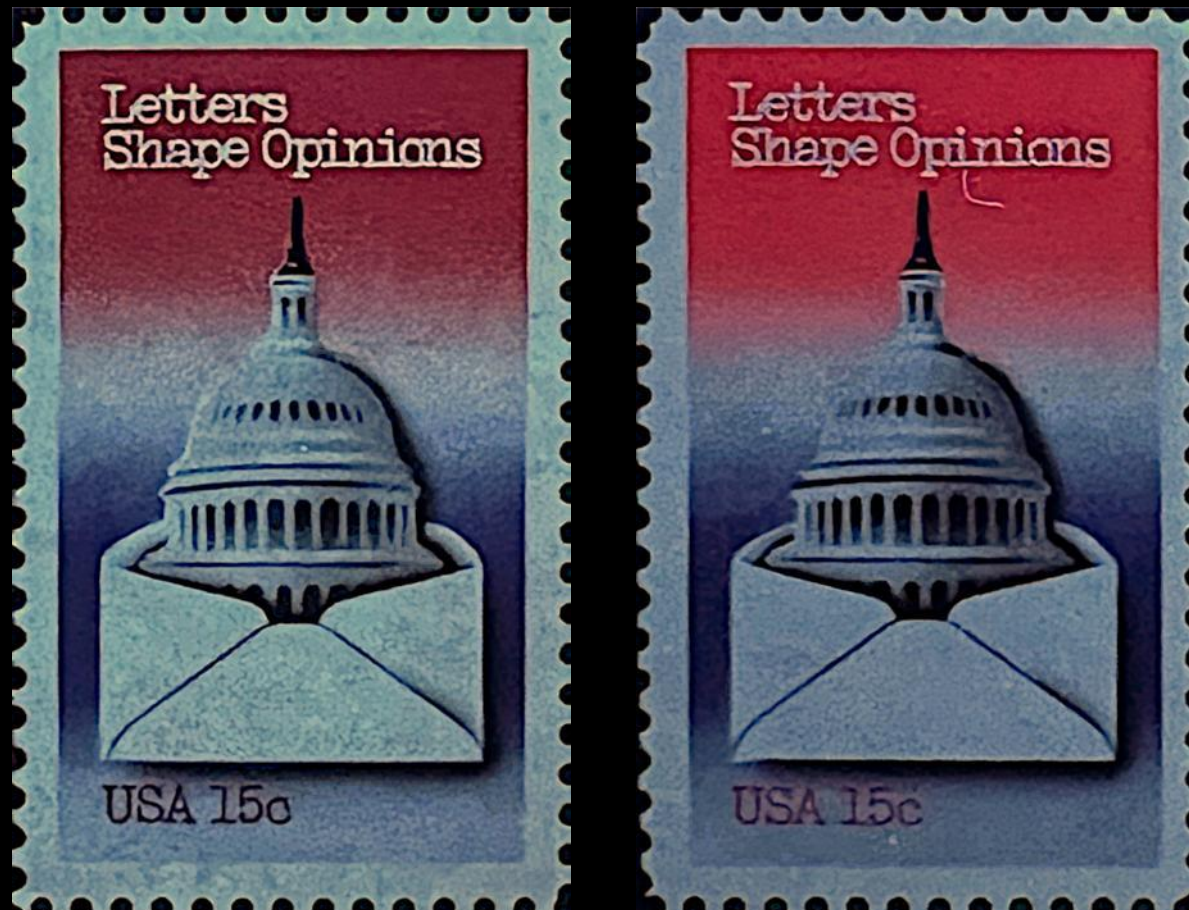
Yellow & Red ink non-luminescent and luminescent varieties

1807-08 National Letter Writing



Yellow & Red ink non-luminescent and luminescent varieties

1809-10 National Letter Writing



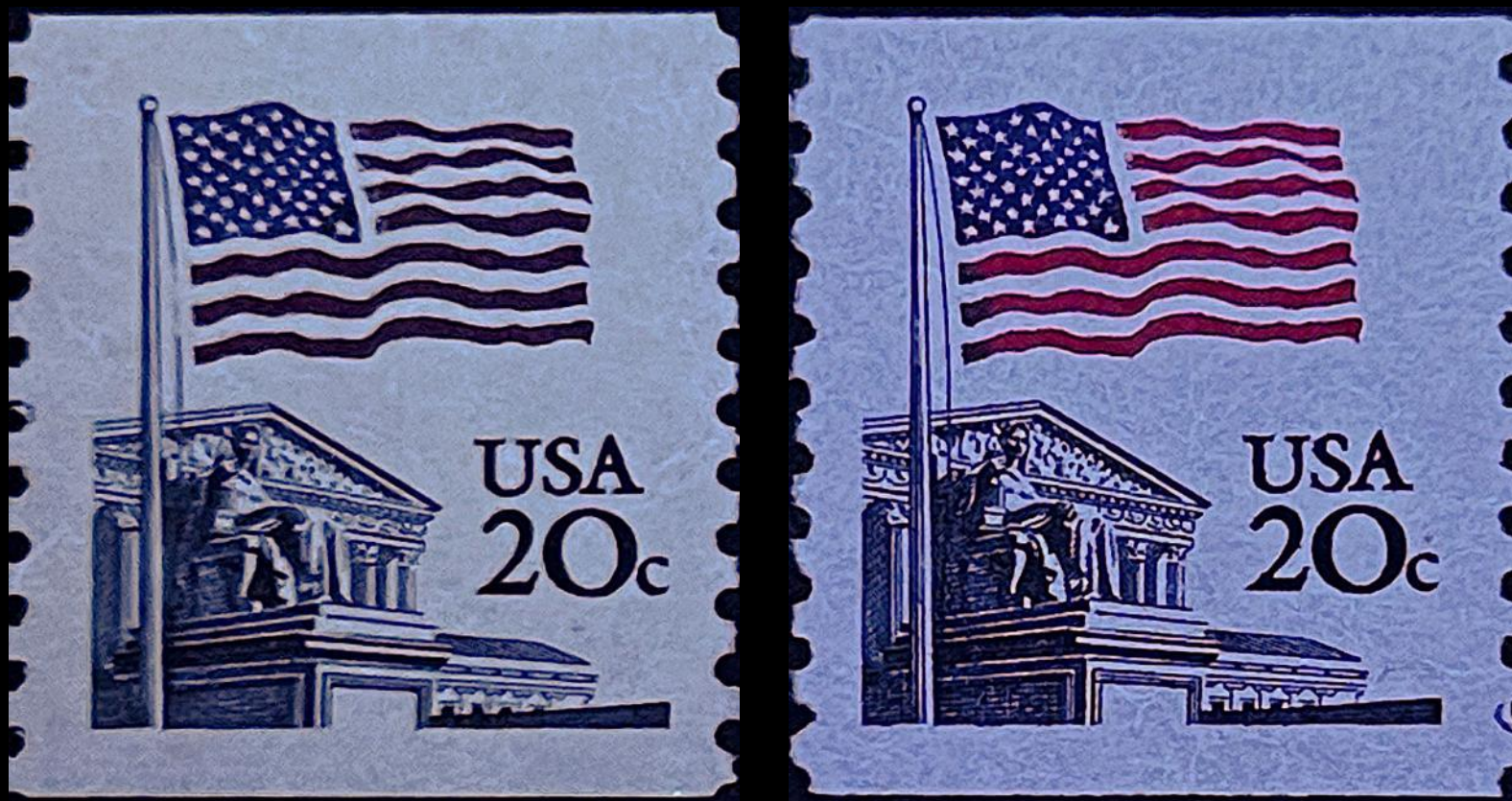
Red ink non-luminescent and luminescent varieties

1848 Pearl Buck



Brown ink non-luminescent and luminescent varieties
Left stamp on bright paper

1895 Flag Over Supreme Court, Wide block tag



Red ink non-luminescent and luminescent varieties

1896 Flag Over Supreme Court, Small block tag



Red ink non-luminescent and luminescent varieties

1900, 1900a Sleigh



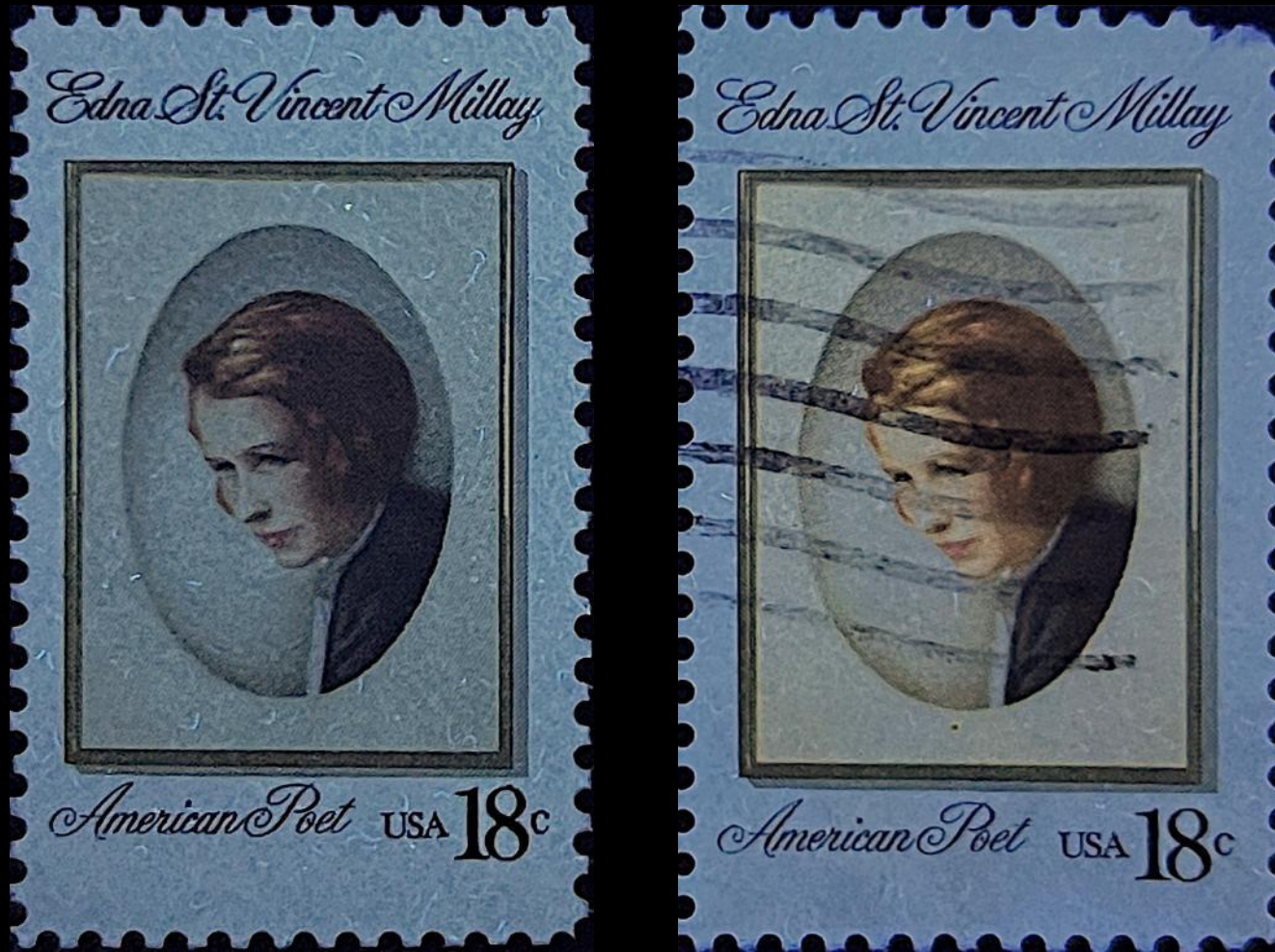
Red ink non-luminescent and luminescent varieties

1908 Fire Pumper



Red ink non-luminescent and luminescent varieties

1926 Edna St. Vincent Millay



Yellow ink non-luminescent and luminescent varieties

1940 Toy Teddy Bear & Sleigh



Yellow ink non-luminescent and luminescent varieties, note Yellow plate number

1951 Love; Bulls eye perf.



Yellow ink non-luminescent & luminescent varieties

1904, 1904a Hansom Cab



Purple ink non-luminescent and luminescent varieties

2003 Netherlands Treaty



Red ink non-luminescent & luminescent varieties

2027-30 Season's Greetings



Yellow ink non-luminescent & luminescent varieties

2045 Military Service Medal



Yellow ink non-luminescent & luminescent varieties

2054 Metropolitan Opera



Yellow ink non-luminescent & luminescent varieties

2097 Roberto Clemente



Red ink non-luminescent to luminescent varieties

2107 Madonna and Child



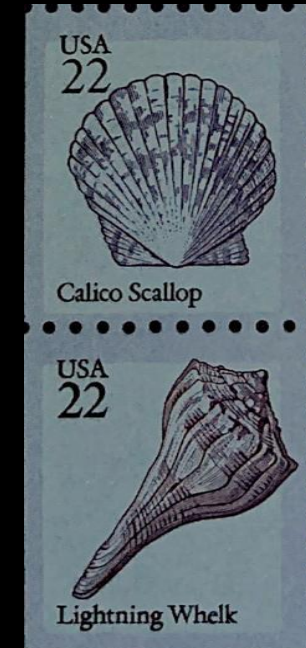
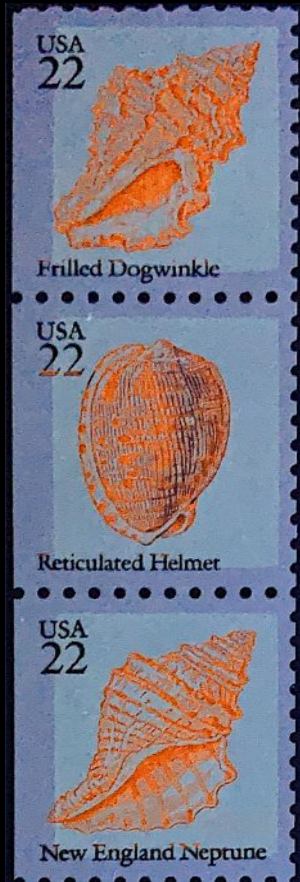
Yellow ink non-luminescent and luminescent varieties

2103 Hispanic-Americans



Red ink non-luminescent and luminescent varieties

2117, 2118, 2119 & 2121 Seashells



Brown ink non-luminescent and luminescent varieties

2128, 2128a Ambulance



Green ink non-luminescent and luminescent varieties

2129a Tow Truck



Red overprint ink non-luminescent and luminescent varieties

2130a Oil Wagon



Red overprint ink non-luminescent and luminescent varieties

2133, 2133a Pushcart



Olive-green ink non-luminescent and luminescent varieties

2173 Luis M. Marin



Red ink non-luminescent and luminescent varieties

2175e Red Cloud, Mottled Tagging



Carmine ink non-luminescent and luminescent varieties

2179 Virginia Apgar



Red-Brown ink non-luminescent and luminescent varieties

2195 W. J. Bryan Statesman



Bright violet ink non-luminescent and luminescent varieties

2260 Tugboat



Violet ink non-luminescent and luminescent varieties

2276 Flag & Fireworks



Red ink non-luminescent and luminescent varieties

2277 “E” Stamp



Red ink non-luminescent and luminescent varieties

2283 Pheasant



Yellow ink non-luminescent and luminescent varieties

2337 Pennsylvania



Yellow ink non-luminescent and luminescent varieties

2347 North Carolina



Red ink non-luminescent and luminescent varieties

2367 Madonna and Child



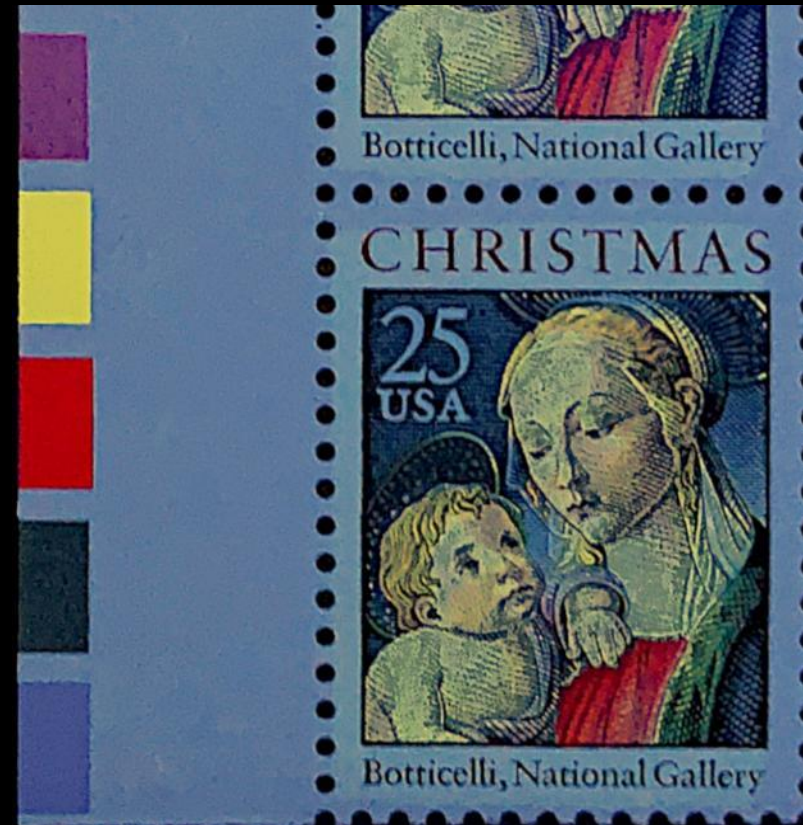
Yellow ink non-luminescent and luminescent variety

2397-98 Special Occasions



Yellow ink non-luminescent and luminescent variety

2399 Madonna and Child



Yellow & Red ink non-luminescent and luminescent variety

2426 Southwest Carved Figure



Brown ink non-luminescent and luminescent variety

2428 Sleigh & Presents



Red ink non-luminescent and luminescent varieties

2429 Sleigh & Presents



Red ink non-luminescent and luminescent varieties

2441 Love Birds



Pink ink non-luminescent and luminescent varieties

2447 Pan American Games



Red ink non-luminescent and luminescent varieties

2452B & 2452Bf Circus Wagon



2552B Red ink non-luminescent and luminescent varieties



2552Bf Red ink highly luminescent

2477 Kestrel



Pink ink non-luminescent and luminescent varieties

2482 Bobcat



Yellow ink non-luminescent and luminescent varieties

2515 & 2516 Christmas Tree



Red ink non-luminescent and -luminescent varieties

2517, 2518, 2524, 2525 & 2527 Tulip Series



Many in this series "F" and "29¢" have Yellow ink non-luminescent and luminescent varieties

2528 Flag and Rings



Yellow ink non-luminescent and luminescent varieties; note yellow Olympic ring

2533 Vermont Statehood



Yellow ink non-luminescent and luminescent varieties

2579 Santa in Chimney (sheet)



Red ink non-luminescent and luminescent varieties

2593 Pledge of Allegiance Black



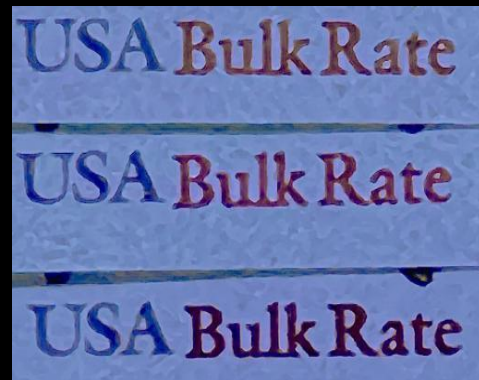
Red ink non-luminescent and luminescent varieties

2602 Eagle and Shield Blue Bulk Rate



Gold ink non-luminescent and luminescent varieties

2603 Eagle and Shield, Red Bulk Rate



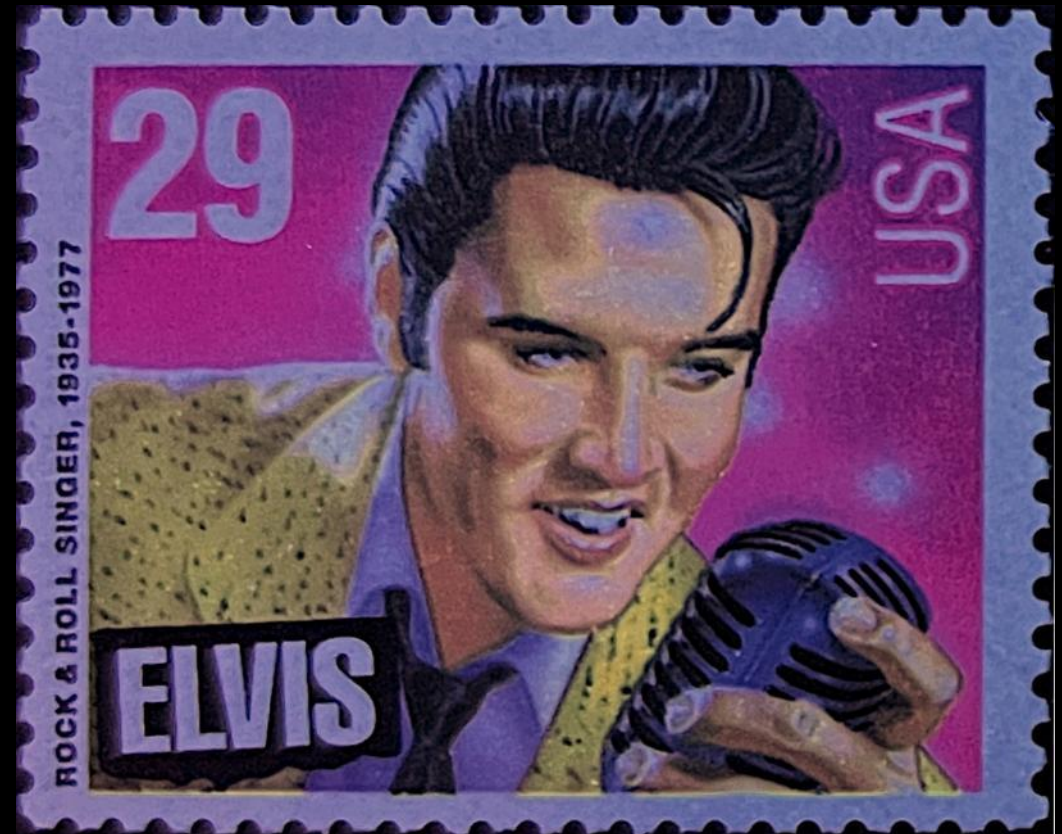
Red ink non-luminescent & luminescent varieties

2720a Year of the Rooster



Yellow ink non-luminescent and luminescent varieties, found on "a" version only

2721 Elvis Presley



Pink ink non-luminescent and luminescent varieties

2760 Garden Flowers



Yellow ink non-luminescent and luminescent varieties

2813 Heart “Rising”



Yellow ink non-luminescent and luminescent variety

2867 Black-necked Crane



Yellow ink non-luminescent and luminescent variety

2889 Old Glory, Black "G"



Red ink non-luminescent and luminescent varieties

2890 Old Glory, Blue "G"



Red ink non-luminescent and luminescent varieties

2897 Flag over Porch



Yellow ink non-luminescent and luminescent varieties

2902 Butte



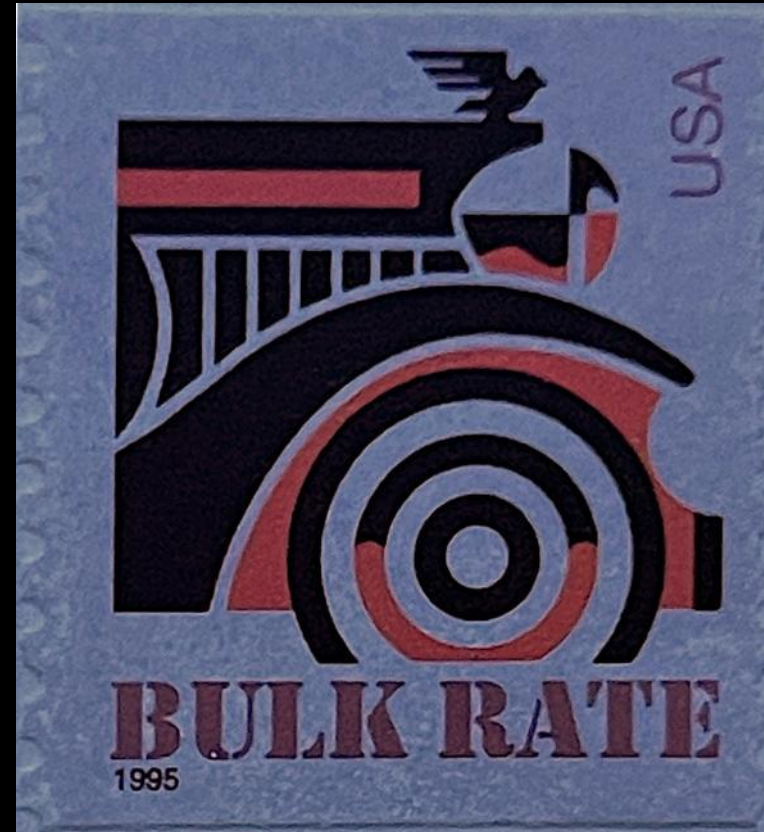
Yellow ink non-luminescent and luminescent varieties

2904 Mountain



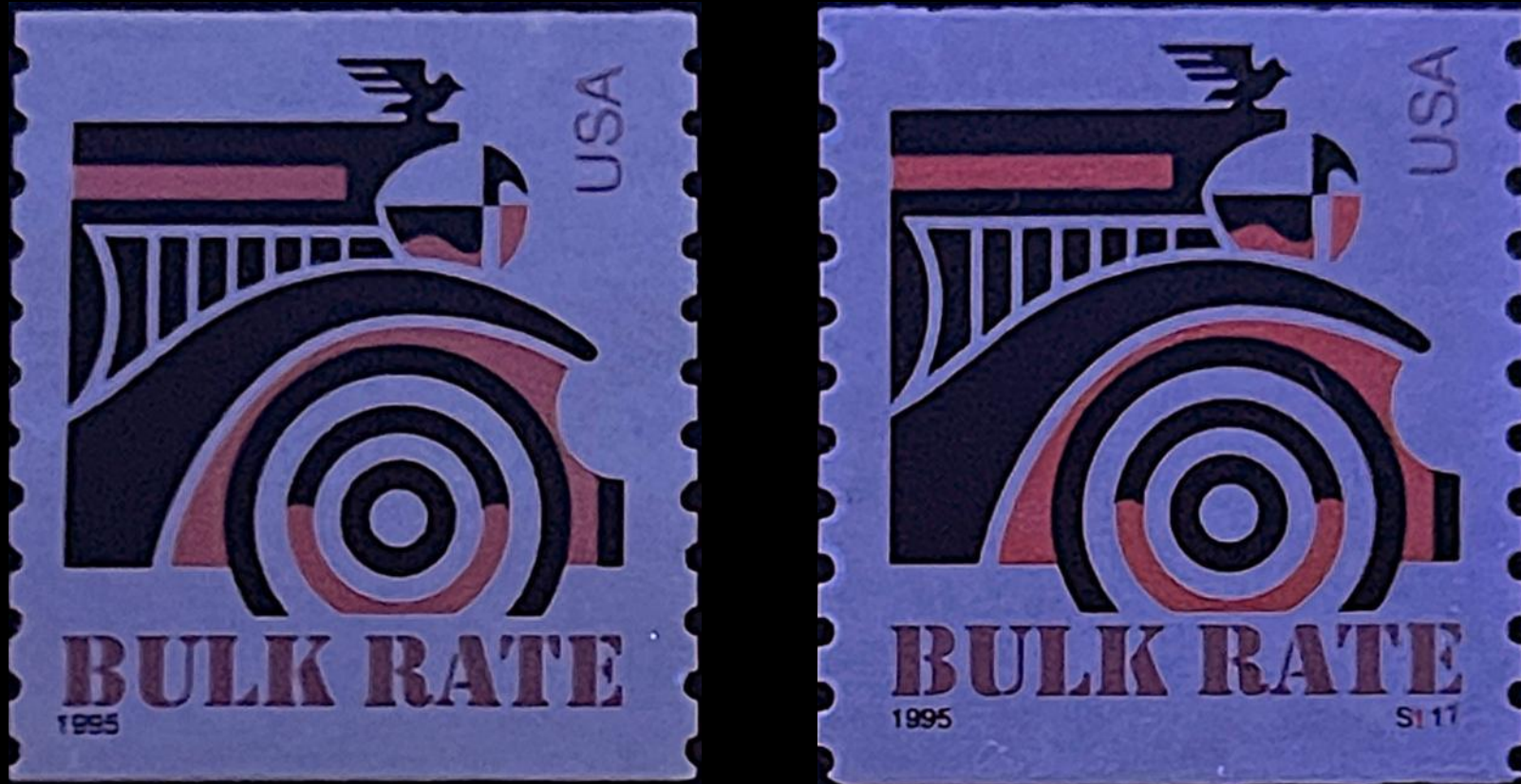
Yellow ink non-luminescent and luminescent varieties

2905 Automobile – Small Date



Orange ink non-luminescent and luminescent varieties

2905a Automobile – Medium Date



Orange ink non-luminescent and luminescent varieties

2912 Juke Box



Yellow ink non-luminescent and luminescent varieties

2943 – Alice Paul Bright Violet



Violet ink non-luminescent and luminescent varieties

2943a – Alice Paul Dull Violet



Violet ink non-luminescent and luminescent varieties

2968 Texas Statehood



Red & Yellow ink non-luminescent and luminescent varieties

3012 Midnight Angel



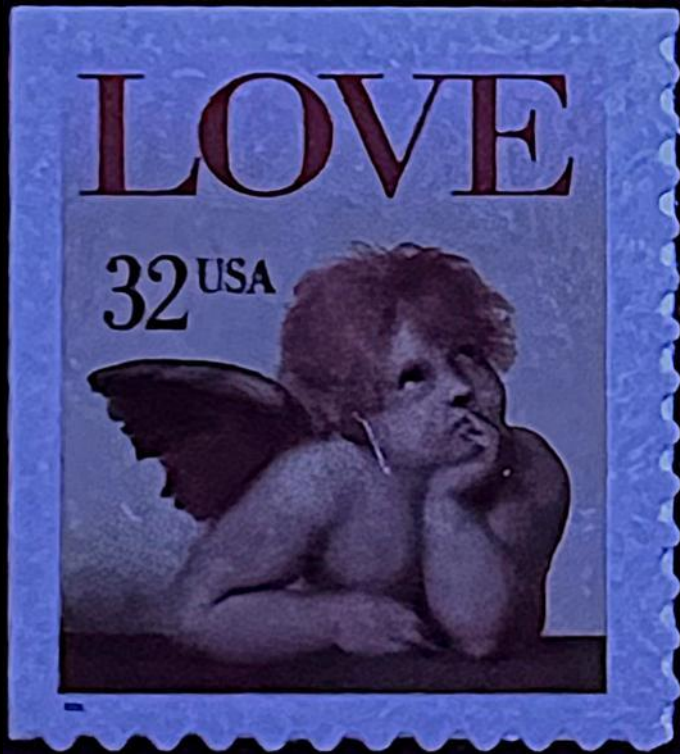
Yellow ink non-luminescent and luminescent varieties

3025-3029 Winter Garden Flowers



Yellow ink non-luminescent and luminescent varieties

3030 Love



Cream background ink varies from dead dark yellow to bright vivid yellow

3031 Kestrel



Orange ink non-luminescent and luminescent varieties

3036 Red Fox



Orange ink non-luminescent and luminescent varieties

3045 Woodpecker



Cream background ink non-luminescent and luminescent varieties

3049 Yellow Rose



Yellow ink non-luminescent and dull luminescent varieties

3054 Yellow Rose



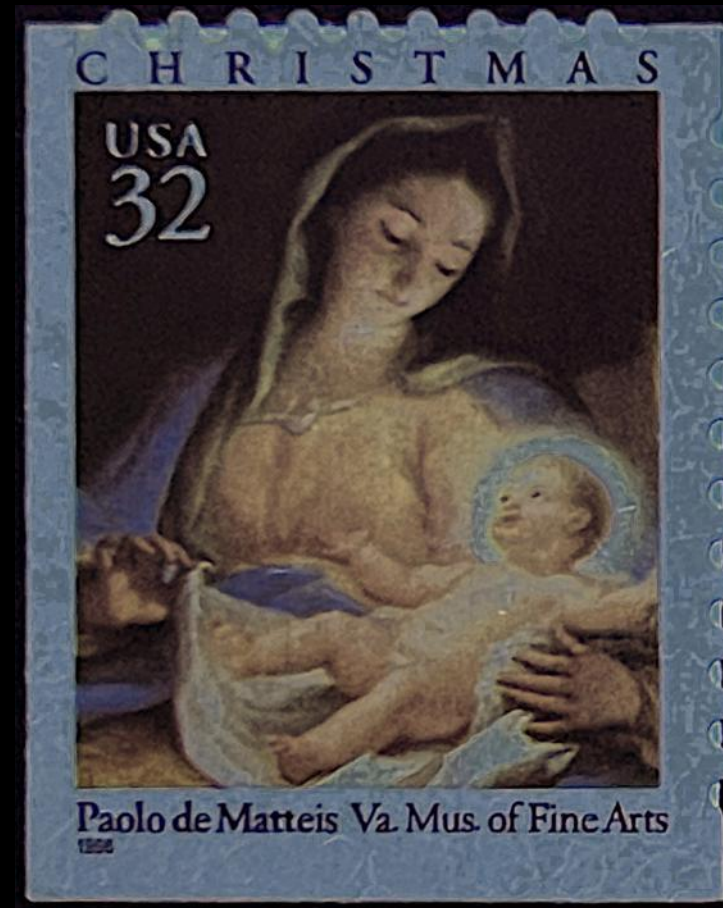
Yellow ink varies from non-luminescent (dead) to luminescent (bright/vivid)

3106 Computer Technology



Yellow ink varieties more subtle than others

3112 Madonna and Child



Yellow ink non-luminescent and luminescent varieties

3193-97 Flowering Trees



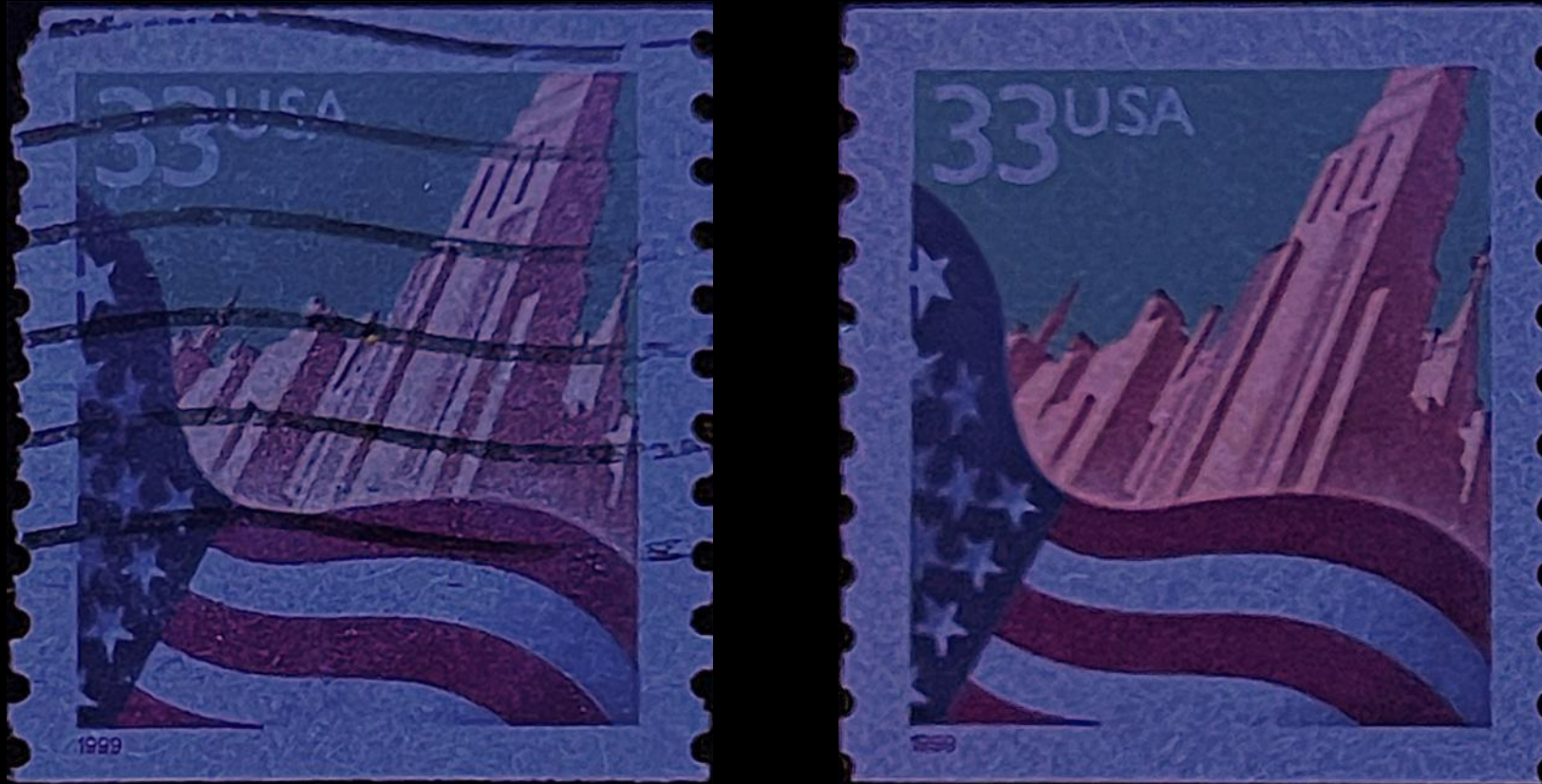
Flowers without and with bright white varnish coating

3207 Wetlands



Yellow ink non-luminescent and luminescent varieties

3280 Flag over City



Brown ink non-luminescent and luminescent varieties

3281 & 3281c Flag over City



Brown ink non-luminescent to luminescent varieties

3469 Flag over Farm



Red ink non-luminescent and luminescent varieties

3522 Woody Wagon



Yellow ink non-luminescent and luminescent varieties

3612 Toleware Coffee Pot



Original Issue



1st Reprint



2nd Reprint

Yellow ink non-luminescent and luminescent varieties

3623 First Class Flag



Red ink non-luminescent and luminescent varieties

3631 37¢ Flag



Dark Dead Red



Light Dead Red



Orange

Red ink non-luminescent to luminescent varieties

3632A 37¢ Flag – Solid Tagging



Dark Red



Dark Red



Dark Orange

Yellow ink non-luminescent to luminescent varieties

3632A 37¢ Flag – Mottled Tagging



Dark Red



Orange Red



Orange

Yellow ink non-luminescent to luminescent varieties

3635 37¢ Flag



Red ink non-luminescent to luminescent varieties

3636 & 3636(c) 37¢ Flag – Solid Tagging



Dark Dead Red



Bright Red



Orange

Yellow ink non-luminescent to luminescent varieties

3636 & 3636(c) 37¢ Flag – Mottle Tagging



Dark Red



Red



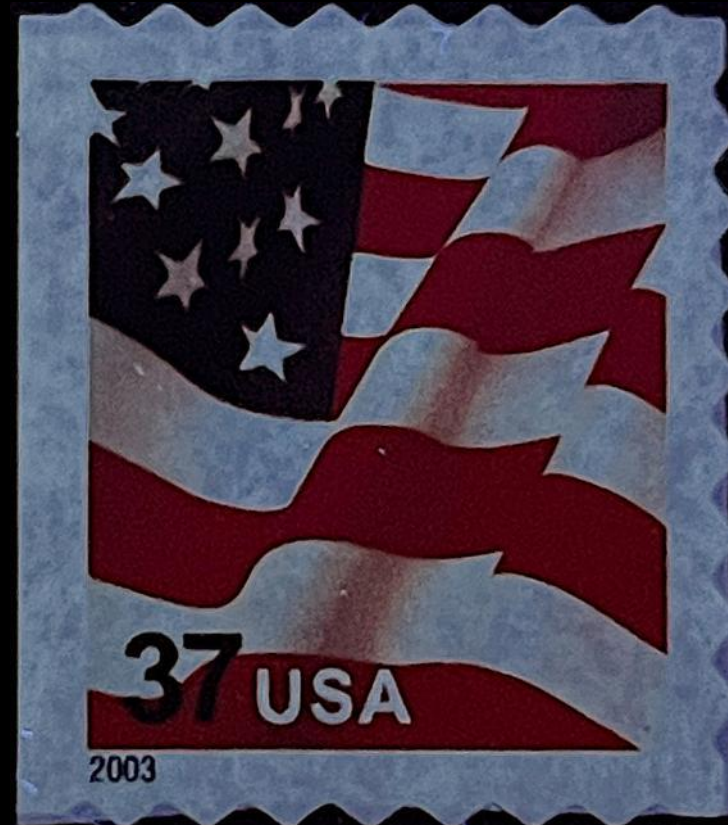
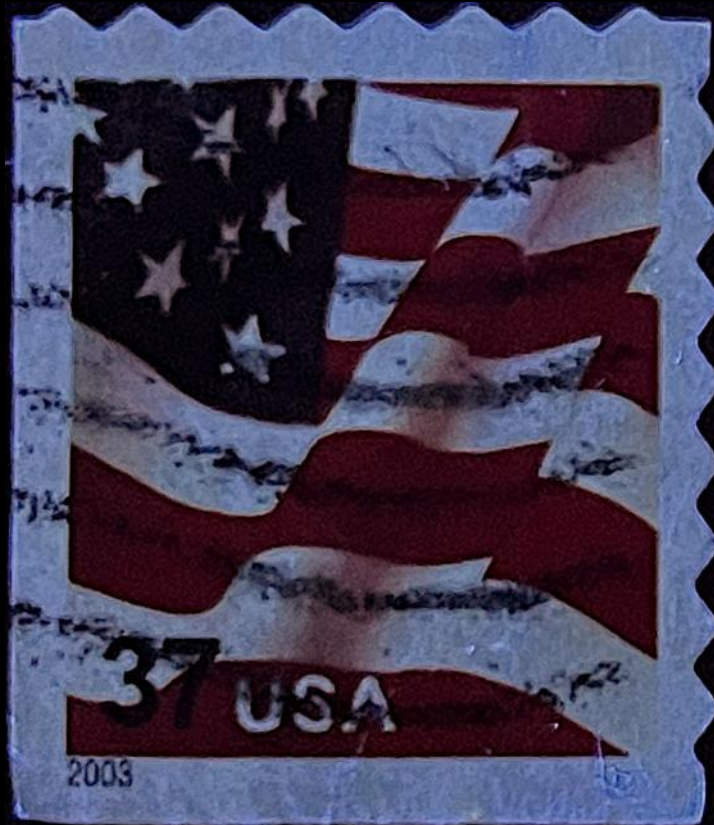
Dark Orange



Orange

Yellow ink non-luminescent to luminescent varieties

3637 37¢ Flag



Red ink non-luminescent to luminescent varieties

3657 37¢ Love



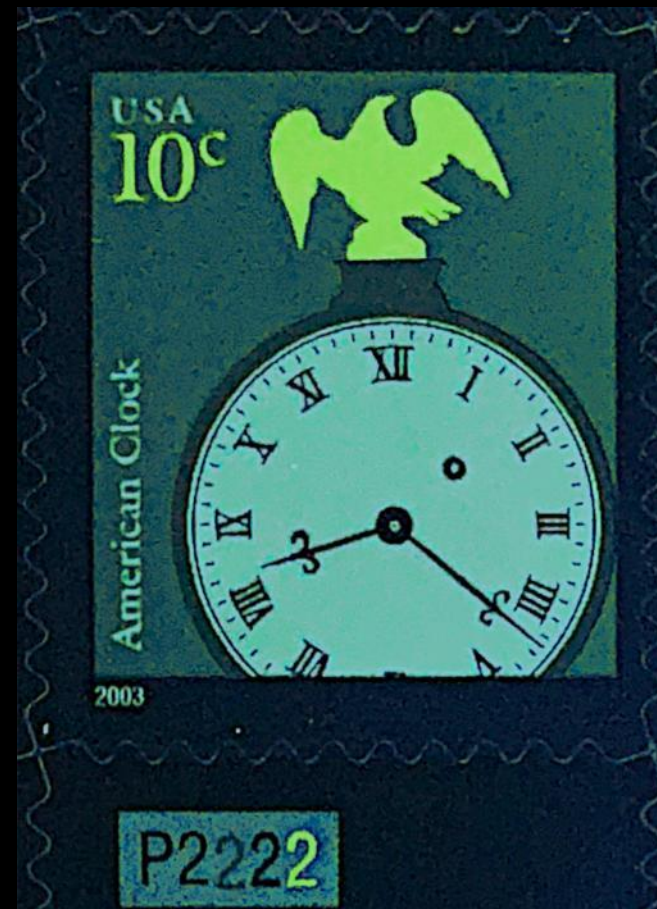
Yellow ink non-luminescent to luminescent varieties

3756A American Toleware



Dark cream ink non-luminescent and luminescent varieties

3757 American Clock



Yellow ink non-luminescent and luminescent varieties; note plate block #

3758 Tiffany Lamp



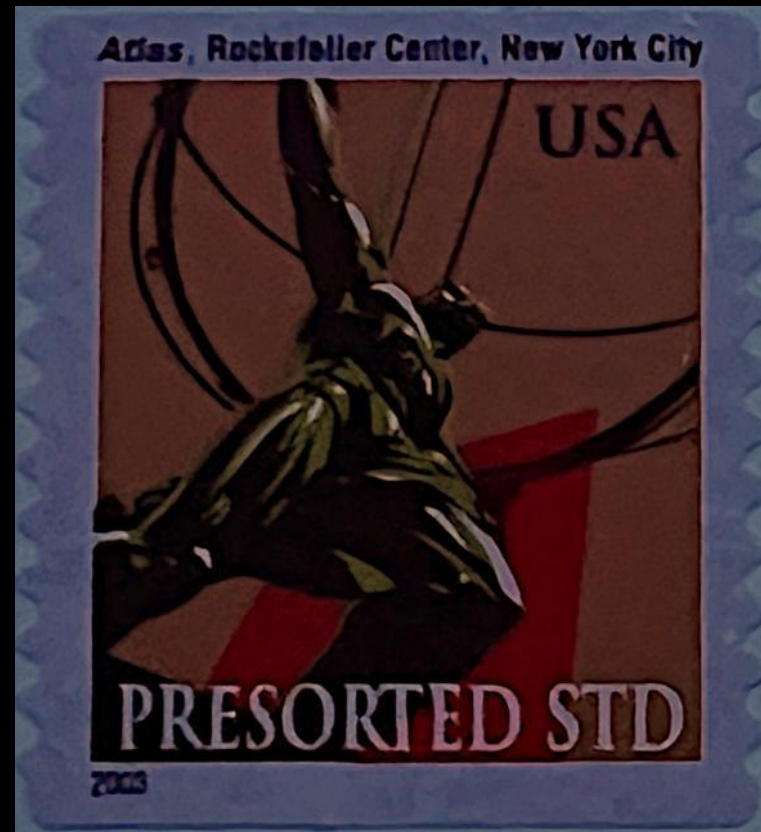
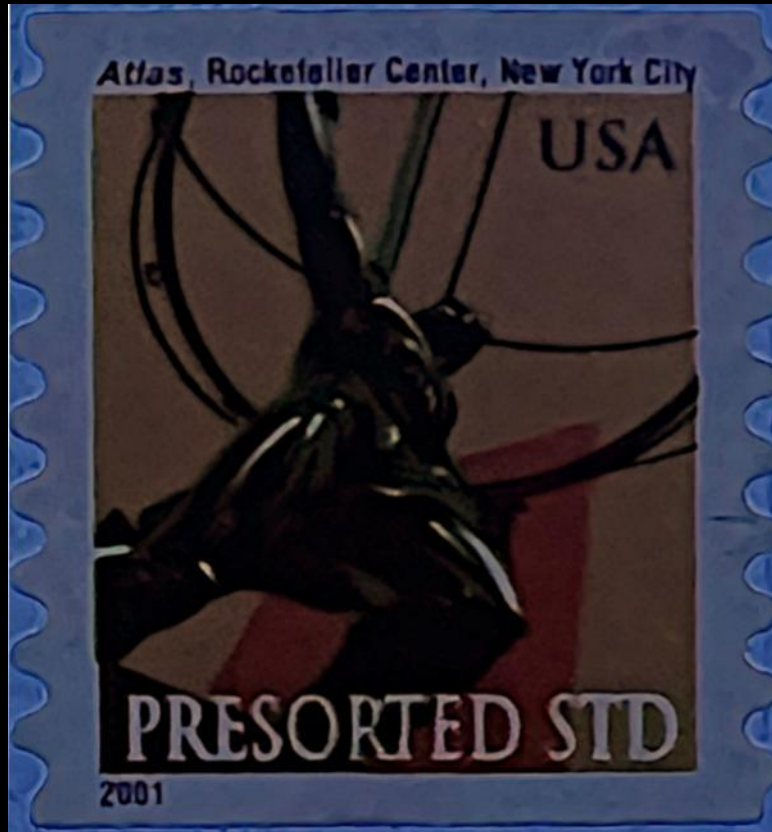
Yellow ink non-luminescent and luminescent varieties

3766 – \$1.00 Wisdom



Brown ink non-luminescent & luminescent varieties

3770 – Atlas



Orange & Red ink non-luminescent & luminescent varieties

3837 Garden Botanical



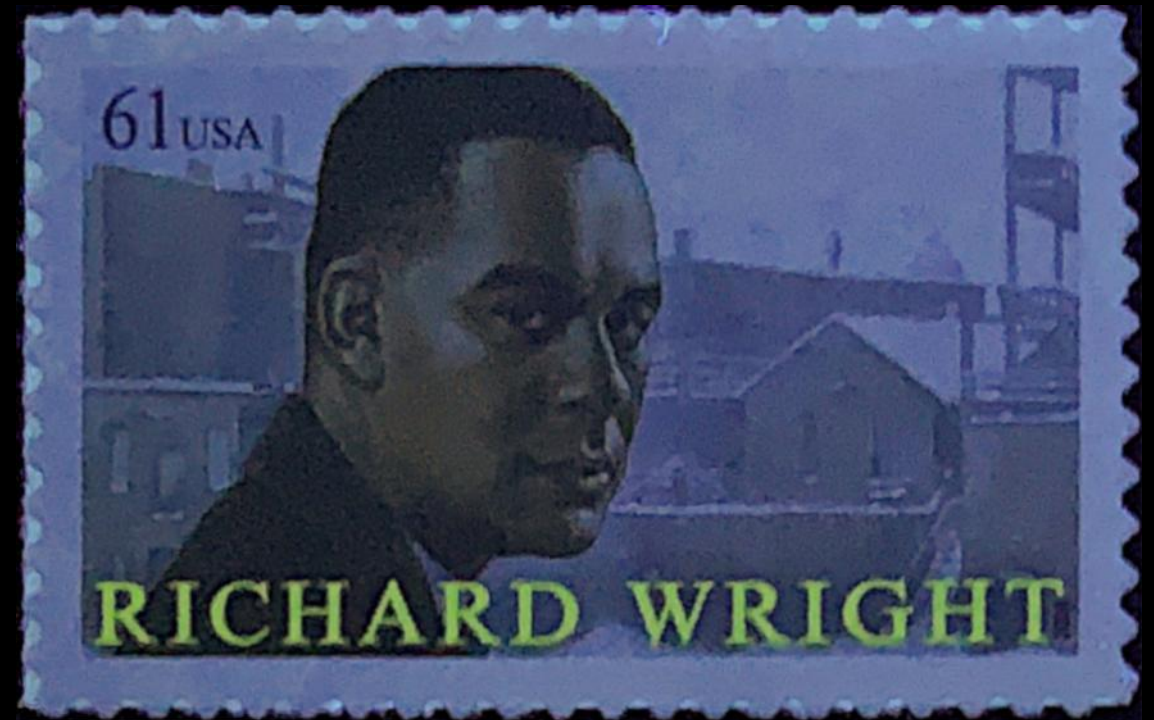
Pink ink non-luminescent & luminescent varieties
Images courtesy of Hans Van Gils

4013-17 Crops of the Americas



Yellow ink non-luminescent & luminescent varieties

4386 Richard Wright



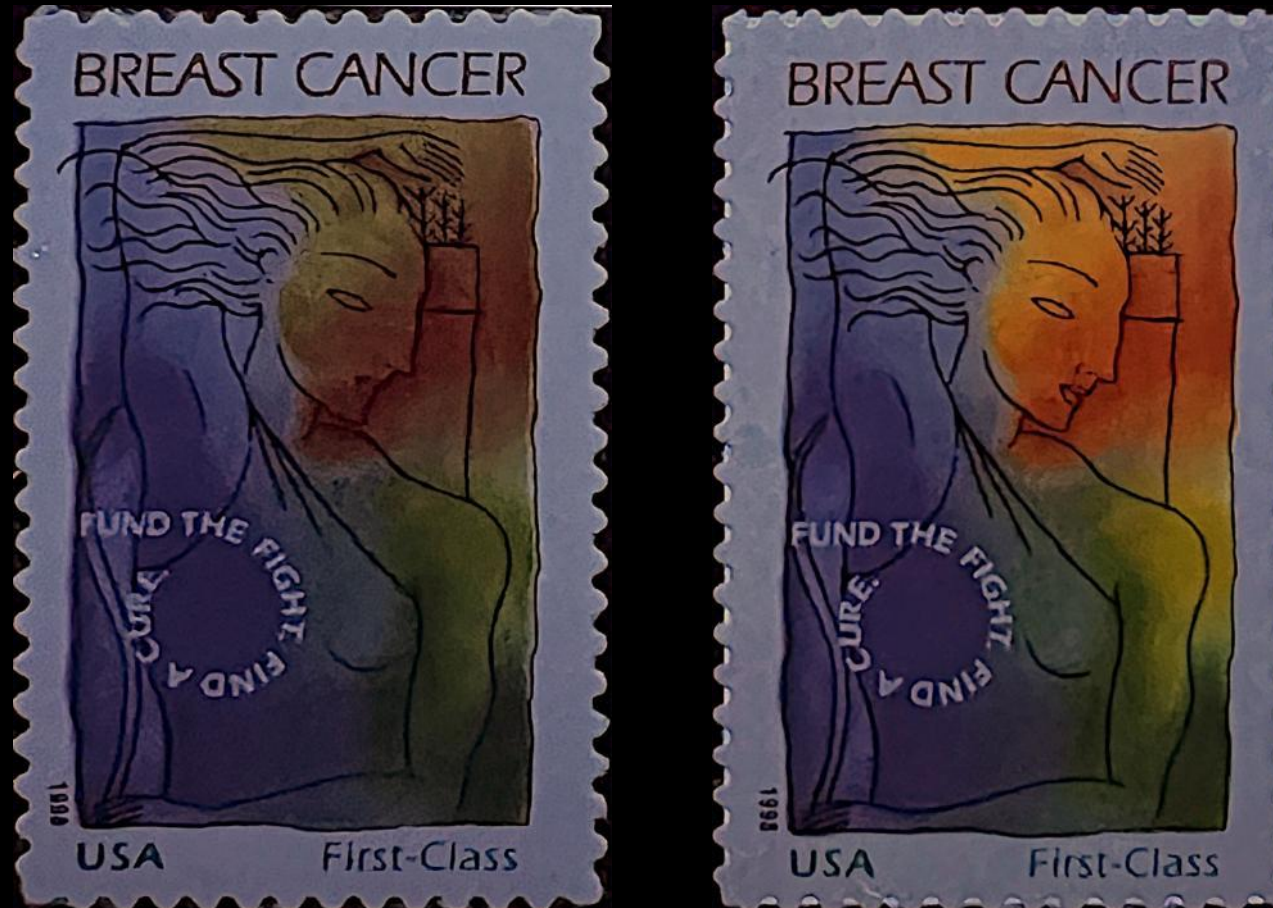
Yellow ink non-luminescent & luminescent varieties

4495 Art Deco Bird



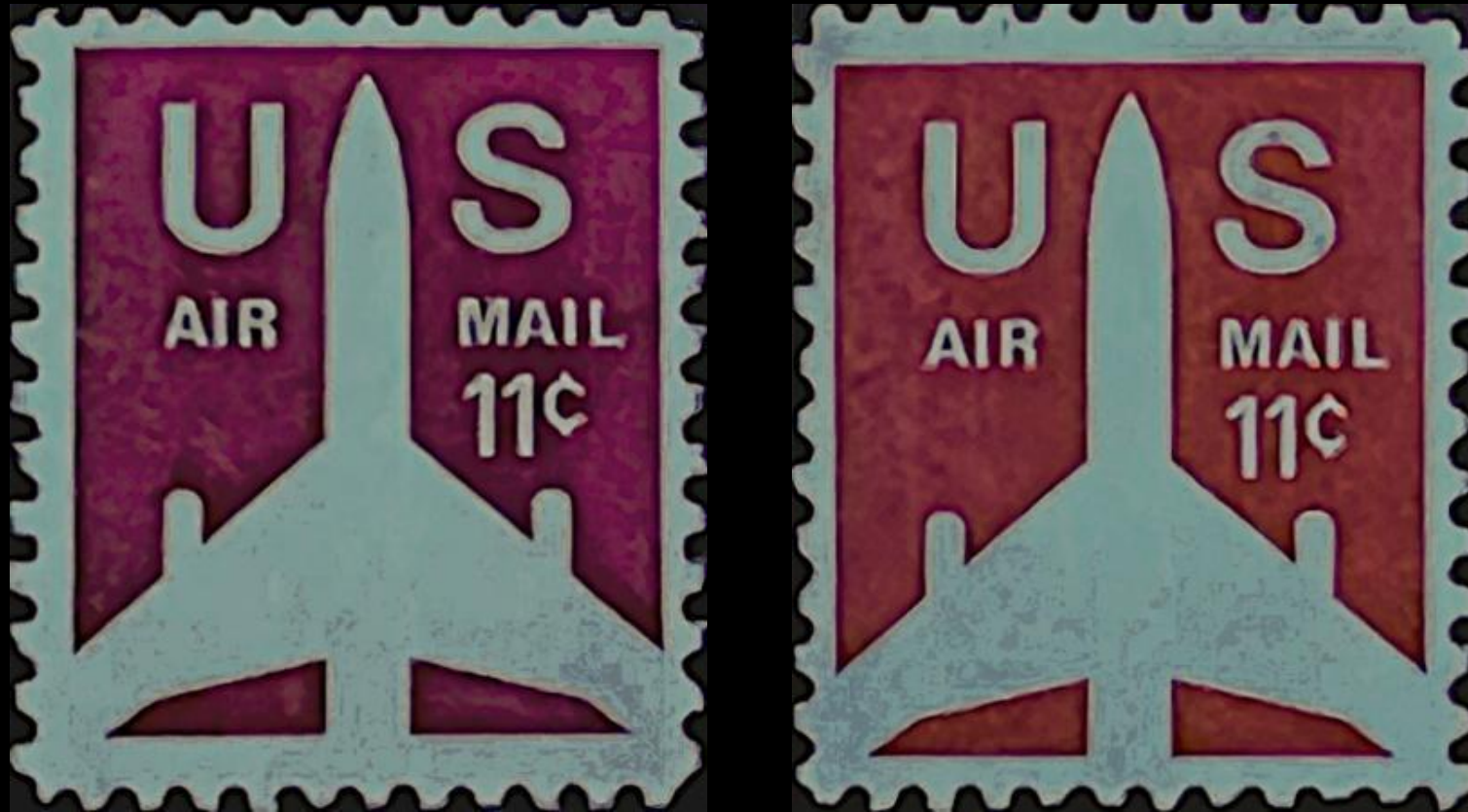
Gold ink non-luminescent & luminescent varieties

B1 Breast Cancer



Yellow ink non-luminescent & luminescent varieties

C78 Jet Airliner



Red ink non-luminescent and luminescent varieties

C78a Jet Airliner



Red ink non-luminescent and luminescent varieties

C82 Jet Airliner



Red ink non-luminescent and luminescent varieties

C139 Bryce Canyon, Utah



Yellow ink non-luminescent and luminescent varieties

C147 Grand Teton National Park



Yellow ink non-luminescent and luminescent varieties

O127 1¢ Official



Red ink non-luminescent and luminescent varieties

O136 22¢ Official



Dum gum



Low Gloss gum

Red ink non-luminescent and luminescent varieties