

## MODERN REISSUES OF U.S. CLASSICS <br> Charles Neyhart

In 1992, the USPS reissued the full 16-stamp complement of the Columbian series [Scott 230-245] in six souvenir sheets with five sheets containing three stamps each and the sixth containing a single $\$ 5$ stamp. This theme was continued with four copies of the $\$ 2$ Madison from the First Bureau issue [Scott 262] to commemorate the Bureau of Engraving and Printing Centennial in 1994; the nine-stamp Trans-Mississippi series [Scott 285-293] in 1998; the three Pan-American inverts [Scott 294a-296a] in 2001; and the dollar denominations of the Fourth Bureau issue [Scott 571-573] in 2006. What is most noteworthy about these reissues is that they were printed from original dies.

Printing the reissues was not as simple as it may seem, for not only was it was necessary to merge two very different stamp production technologies, but to produce a product that would be expressively commensurate with the original. This paper discusses the distinctive processes and procedures used to produce the reissues.


Scott 233 (1893)


Scott 2624b (1992)

## PRINTING THE ORIGINALS

Each of the original stamps was line engraved intaglio-printed on the flat bed press. ${ }^{1}$ To preserve the dies, the image was replicated on a transfer roll which was used to enter the desired number of impressions on the steel printing plate. Printing of the originals used the "wet" process whereby moisture was purposefully added to the paper up to a predetermined

[^0]level to facilitate transfer of the inked image. ${ }^{2}$ The stamps were printed on a porous, wove paper generally in use at the time. ${ }^{3}$ Because of the deliberate dampening, the paper expanded when wet and contracted as it dried. Dimensional changes occurred across the grain of the paper which was either horizontal or vertical in relation to the stamp design. Inasmuch as the flat bed press printed on single sheets of paper, the direction of the grain depended on the way the sheet was cut. Stamps would be tall and skinny or short and squat relative to the orientation of the stamp design on the printing plate.

All of the original stamps under discussion here exhibit the well-known blurriness associated with the wet process. The perception of a lack of fine line detail was due to the paper used and the dampening of the paper prior to printing. In combination, these factors allowed a slight ink bleed on the surface of the stamp paper, producing a faint overall tone in the color of the stamp.


## PLANNING THE REISSUES

Using original dies to print the reissues was a clever idea and popularly embraced by collectors. Yet, new problems faced the designers and printers; foremost among these were the state of the original dies, which were in the custody of the Bureau of Engraving and Printing, and plans to print the reissues using the dry process on modern high-speed multicolor rotary presses. ${ }^{4}$

```
Also in this Issue -
Working with an Auction Agent . ..... 9
Research Stumper . . . . . . . . . . . . . . . }1
Library News & Notes . . . . . . . . . . . . . . }1
LIT ADDITIONS ........................ }1
    Janice Weinstock's Aerophilatelic
        Library - WAVE 4 . . . . . . . . . . . . . 15
In Appreciation . . . . . . . . . . . . . . . . . . . 24
```

A die used for the original stamps was a block of soft steel, about three-inches square and three-fourths of an inch high. Upon approval, the die was hardened by heating and finished by polishing. The transfer roll, a cylinder of softened steel, was used to "take up" the stamp design directly from the die. This entailed locking the die in a transfer press and carefully rolling the transfer roll back and

[^1]forth repeatedly over the surface of the die, each time increasing the pressure on the transfer roll. The soft steel of the transfer roll would mold itself into the engraved areas of the die. The image transferred to the transfer roll was the counterpart of the original engraving but now in relief, that is, above the surface of the roll. Designs on the transfer roll are referred to as "reliefs."

When the original dies were drawn from the vault to use for the reissues, a number were scratched, some were softer than others, some were warped, some showed signs of corrosion, and they were engraved to varying depths. Interestingly, but probably not surprising, the dies for the Columbians had differences in the overall image sizes, as did those of the TransMississippi issue. These differences would not have been immediately noticeable on the original printings, but better seen when different reissued stamps were grouped together on the souvenir sheets. Each of these concerns could add to technical difficulties in producing the reissues and, therefore, had to be addressed.


Scott 287 (1898)


Scott 3209c (1998)

The stamp layouts for the souvenir sheets are as follows:

- 1992 Columbians. [American Bank Note Co. - Los Angeles] Five sheets having three stamps each arranged vertically and a sixth sheet containing a single $\$ 5$ stamp.
- 1994 Bureau of Engraving and Printing Centennial. [BEP] Pane of four $\$ 2$ Madison stamps arranged in a horizontal strip.
- 1998 Trans-Mississippi. [Banknote Corporation of America] Two panes of nine, three across and three down. One sheet contains all nine stamps of the series; the other contains nine copies of the $\$ 1$ 'Cattle in the Storm.'
- 2001 Pan-American Inverts. [Banknote Corporation of America] A sheet of seven stamps containing the three Pan-American inverts arranged in a horizontal strip and four new 80 -cent diamond-shaped stamps arranged vertically.
- 2006 Fourth Bureau. [Banknote Corporation of America] Pane of the three dollar denominations arranged in a horizontal strip.

The backgrounds on the souvenir sheets were printed in offset lithography with intaglio details added to the $\$ 5$ Columbian and Bureau of Engraving and Printing Centennial sheets.

## PRINTING THE REISSUES

The original steel dies were encased in wax while in storage. To protect the dies during these projects, no re-work was done directly on them; rather, the printers used various alternative means to remove any flaws, to make engraving alterations and to make new plates. On the Columbian reissues, as an example, plastic molds were made from the original dies. Noticeable scratches and the ' 8 ' of the date ' 1892 ' in the upper corner of the original designs were removed by scraping on these molds, which were in relief. New nickel dies were then made electrolytically using the plastic molds. A ' 9 ' was cut in on these new dies to create the date '1992' on the reissues. New plastic molds were made from these dies and further processed electrolytically to form the intaglio printing plates for each specific layout of the six souvenir sheets. ${ }^{5}$

With one exception, no rework was done to physical alter the sizes of the designs. The problem of unequal image size in the originals was managed by setting the perforations to best match the largest image in a set of stamps. Thus, the reissued Columbians have wider margins than on the originals, although the souvenir sheets were plagued with problematic centering. The stamps on the Trans-Mississippi sheets not only have larger margins, but also wide gutters between stamps which were employed to prevent color contamination. [On all of the other souvenir sheets discussed here, the stamps are contiguous strips.] The one exception involving rework to alter the size of the stamp design occurred on the Bureau of Engraving and Printing Centennial sheet. The image from the original $\$ 2$ Madison die was shaved on a transfer roll, both horizontally and vertically, to fit the perforator used for the souvenir sheet. Since the shaving involved removal of engraved lines from the original design, the reduction in image size is comparatively noticeable.

Two related matters are germane here and can tell us much about the challenges of printing the reprints: [1] printing from curved plates versus printing from flat plates, and [2] dry versus wet printing. The depth of engraving for dies used in stamp production on the flat bed press was generally shallower than that necessary for the curved plates on the rotary press. This condition, for example, explains why the Type II and Type III designs were adopted when production of the 2-cent Washington-Franklin was moved to the Stickney rotary press - curving plates made from the Type I die, engraved with the flat bed press in mind, proved less than satisfactory in this role. On the rotary press, ink is applied to a curved printing plate in only one direction, whereas on a flat plate, ink is thoroughly worked into the engraved lines with an ink knife or roller and by hand. Thus, some engraved lines transferred from the original dies [engraved for the flat bed press] to curved plates would receive more or less ink depending on orientation of the stamp design.

Dry printing the reissues using rotary plates made from the original dies presented its own challenges. Dry printing requires a thicker paper and vastly increased pressure from the impression cylinder to push the dry paper into the inked recesses of the engraved image on the printing plate. If done well, the result is almost of proof-quality. The dry printed reissues

[^2]have the expected appearance relative to the wet printed originals. There is a greater sharpness of line and less fuzziness. There is improved tone of color from the use of fastdrying inks. There is less surface coloration. The reissues are cleaner and whiter, some of which is due to the paper used. Under magnification, the paper of the originals has a rough surface texture; the paper used to print the reissues shows a harder, shiny surface. This is a consequence of using a coated and whiter paper that is further smoothed by a calendaring effect from the added pressure exerted by the press impression cylinder.


The various printers adopted different strategies to better manage the printing issues arising from using the original dies. American Bank Note Co. reversed the paper grain for the Columbian reissue to mitigate color contamination arising from printing three colors in a single press run. The originals, except for those 2-cent stamps printed on 200-subject plates and the $\$ 5$, were printed on horizontally grained paper. The reissues were printed on vertically grained paper. Stamps printed on vertically grained paper would be taller, but less wide than stamps printed on horizontally grained paper. Only the 2-cent reissue exhibited noticeable engraving rework. The Bureau of Engraving and Printing diagonally "scored" the engraved lines in the heavily colored areas on the $\$ 2$ Madison relief to create miniature dams to control ink spread from the increased pressure on the press. ${ }^{6}$ The increased pressure necessary to satisfactory dry printing could have resulted in ink drag out from the shallower engraved recesses of the stamps. Each stamp in the Trans-Mississippi reissue required two engraved dies, frame and vignette, and two passes through intaglio presses. Banknote

[^3]Corporation of America added backing to the impression cylinder to add more pressure to pick up ink in the shallower lines of the dies and slowed the press speed to mitigate color contamination. For the Pan-American inverts, Banknote Corporation of America pressed each bicolor die into a film emulsion to create a photographic proof which was then compared, line by line, against an original proof for completeness. The film was then acidetched to produce suitable intaglio plates - separate plates for the vignettes and frames.


Scott 262 (1894) Courtesy of the Smithsonian National Postal Museum


Scott 2875a (1994) Note the reduced outer frame width all around

## FEATURES OF THE TRANS-MISSISSIPPI REISSUES

The 1898 Trans-Mississippi series was originally intended to be a bicolor issue. The Bureau of Engraving and Printing had engraved separate frame and center vignette dies for each denomination. All vignettes were to be printed in black ink; the frame colors would vary by denomination. Other printing demands at the Bureau, however, necessitated a change to a single color format for both frame and vignette. Single unified dies, which combined the frame and vignette designs, were then engraved for each denomination as substitutes.

Other changes were made at the time of changing to a single color scheme. The denominations of the 2-cent "Mississippi River Bridge" and the \$2 "Harvesting in the West" were swapped. The title on the latter was also changed to "Farming in the West." Then, the \$1 "Western Cattle in the Storm," which was planned to have a dull violet blue frame in the original bicolor scheme, was printed in all black in its single color version. This was the only instance in which the original frame color, or a variation of it, was not used to print the single color versions.

On the original bicolor dies, the different vignettes were sized to ensure acceptable printing registration within the frame design. Providing a bit of "wiggle room" for the vignette was a standard way of printing stamps requiring two separate passes through the press. When it was decided to print the original stamps in a single color scheme, new unified single dies were needed that incorporated both the frame and vignette. While it was possible to mechanically transfer certain design elements from the original bicolor dies onto the unified die, the white spaces existing between the vignettes and the frames were now filled with added imagery by the engravers. ${ }^{7}$

[^4]Fast forward to 1998: Instead of the single dies actually used in 1898 to print the TransMississippi series, Banknote Corporation of America used the original bicolor dies to print the reissues as they were originally intended. The original bicolor dies had been used only to produce a limited number of die proofs and were still in the Bureau's vault. ${ }^{8}$ Thus, the 2-cent and $\$ 2$ denominations were restored to their original designs with the $\$ 2$ titled "Harvesting in the West." As noted earlier, BCA printed the reissues in two separate passes through intaglio presses. The colors chosen for the frames were based on the die proofs on file at the National Postal Museum rather than being based strictly on the colors of the 1898 -issued stamps, except for the frame color chosen for "Western Cattle in the Storm" which was printed in red ink rather than the originally intended dull violet blue color.

One other difference exists with these reissues: The "fill" added to better blend the vignette and the frame in the monocolor 1898 stamps was not needed for the reissued stamp designs.


## CONCLUSIONS

The "remake" is an age-old temptation, but reprinting classic stamps from original dies was a novel idea. To the collector, the reprints stand as a visible historical counterpoint to the originals. The milieu and means of making of a stamp were very different 100 years earlier. To replicate a part of that history showcased the advances that had occurred in the following 100 years.

My first impressions of the reissues at the time were that they were attractive, but paled in comparison to the originals. The reprints lack depth; there is an insubstantial "flyer" look. I was disappointed; I still am. You may have a different point of view here, and I can

[^5]understand why you might. I wonder what my impression would have been had there been no originals to compare the reissues against?

I have long been partial to early U.S. commemoratives, particularly the Columbians and the Trans-Mississippi series, mostly for the attractiveness of the designs and meticulous engraving. There is an aura of richness and authentic depth to those stamps, a bit of it imparted by the results of wet printing. The reprints lack the warmth of the originals. Yet, without a doubt, the engraving craftsmanship exhibited on the original dies was superb. That the work was so clear on the reissues is testament to that craftsmanship. But that work was done in a much different printing environment. I can't help but speculate what might result if the same designs were line-engraved from scratch by today's engravers. My bet is that they would not be confused with the reprints.

That notwithstanding, this was a useful study in that it effectively tied together two very different stamp production technologies. I learned many new things doing the study, as I usually do. The research resources available in the Northwest Philatelic Library were instrumental in preparing this paper. In addition to the sources cited in the footnotes, the relevant summaries presented in the excellent Linn's Stamp Yearbook series were most helpful.


## ACKNOWLEDGEMENT

I express my continuing thanks to Jim O'Donnell of the Smithsonian National Postal Museum who kindly provides high resolution images to support my writing projects.

## WORKING WITH AN AUCTION AGENT

Many years ago, at my first philatelic auction, I noticed this guy sitting in the back of the room. He had a table [I had a metal chair] and an array of papers were neatly arranged in front of him. Everyone but me seemed to know him. He bid regularly, but now and then he would offer the "odd" bid, once jumping a floor bid by about ten increments, and, on another occasion, had the auctioneer raise his winning bid by yet another increment! I eventually got to know Rance Curtis and, with lots of questions and more experience, began to understand the role of the stamp auction agent and the how and why the bidding is affected in certain ways in certain instances.

Rance agreed to answer some questions that I had prepared based on some of after-auction comments I've heard recently and to better clarify the role of the auction agent. [Rance had originally written a short piece "What is an Auction Agent?" for Book Reports in 2005.] In the process, perhaps some of the "wariness" about the auction agent can be dispelled.

1. Client A submits a bid of $\mathbf{\$ 1 0 0}$. Later, Client $\mathbf{B}$ sends a bid of $\mathbf{\$ 1 1 0}$ for the same lot. Do you do mention anything about this to Client A? No. All of my clients' information is confidential, including names, lots and bids.
2. Reverse the situation in the previous question. Client $\mathbf{A}$ bids $\mathbf{\$ 1 1 0}$; later, Client $B$ bids $\mathbf{\$ 1 0 0}$. Do you tell Client $B$ that he will not win the lot? No, for the same reason expressed in the first question. I assume that each client knows the value of the item and the maximum amount he is willing to pay for it.
3. Do clients ask your advice relative to the amount to bid? Normally no. Going back to the idea I expressed above, if someone doesn't know the value of something and what he is willing to pay for it, he should not be bidding.
4. On what basis do you break tie bids? Do you inform the "second" prior to the auction? Normally, it is "first received, first winner." I do make the exception for mail bids dated prior to telephone and fax bids. No, I do not inform the now "second" of this action prior to the auction.
5. Do you accept "breaking a tie bids?" How must the client structure those? I always welcome breaking tie bids. Unless otherwise stated, this means that I bid one increment over the original bid. In one instance, however, a client submitted his bid as $\$ 100+++$. I had to clarify with him exactly what he had in mind. It turned out that he was willing to go up to $\$ 130$ [not $\$ 160$ as might be construed with the bids in $\$ 10$ increments].
6. At times, you will "jump" the bidding beyond the next regular increment. Say that the floor bidding is at $\mathbf{\$ 1 0 0}$ and you hold a maximum bid of $\mathbf{\$ 1 2 0}$ [the bidding increment is $\mathbf{\$ 1 0 ]}$. What will be your next bid? I have two options in this particular case: I can bid to the next increment, $\$ 110$, and, if the client wins at that bid, I have saved him money. The other option is to jump the bid up to $\$ 120$, because if I bid $\$ 110$ and
another bidder raised it to $\$ 120$, my client would lose on a tie bid. I usually opt for the first option, focusing on saving the client money.

I would normally jump the bid if the start is $\$ 100$ and I have two bids of $\$ 200$ and $\$ 250$. I would jump the bid to $\$ 210$ to save time. If I have three bids of $\$ 200$, I would jump to $\$ 200$ and if no one bids higher, the first $\$ 200$ bidder receives the lot.
7. Will you automatically correct a bid from a Client expressed in the wrong increment? Higher or lower? Yes, always to the next lower increment.
8. Client A submits a bid of $\mathbf{\$ 2 5 0}$ and Client B submits a bid for $\mathbf{\$ 3 0 0}$. The floor bidding stops at $\$ 200$ [the bidding increment is $\$ 10$ ]. What will be your next bid? I would ask the auctioneer to change the bid to $\$ 260$ with Client B winning the lot.
9. In your experience, what seems to be the most misunderstood actions of an Auction Agent from a client's perspective? Two things: low bidders and limit bidders. Low bidders seem to believe that if they use an auction agent, miracles will happen. While there may be random acts of kindness in this world, this is usually not one of them. A better option for low bidders is to split their bids. They should send their low bids to the auction house because if they are tied they will be the winner. If they have better bids, send them to the auction agent.

A limit bidder only wants to spend, say $\$ 1,000$, in the auction and then proceeds to give me ten bids of $\$ 200$ each or better with the bid for the last lot being $\$ 600$. If that last lot goes for $\$ 100$, the limit bidder cannot understand how he lost the bargain. A similar situation can occur when there are multiple lots of the same item distinguished only by quality and the client wants only one of these, i.e., it doesn't matter which one. For example, if the first lot starts at $\$ 180$ and the second at $\$ 150$, and I win the first lot for the client at $\$ 220$ and the second lot goes for $\$ 160$, the client cannot understand why I couldn't win his lot for $\$ 160$.
10. Anecdotally, I routinely get a sense from bidders that there is a house advantage for the Auction Agent. How do you counter that opinion? Actually, the only bidder with an advantage is the mail bidder and only because they will always win on a tied bid. I win many lots only because I represent many bidders. I'll typically have 15-25 clients in play; I once represented 37 clients in an auction. If I tie with someone on the floor, I win only if the auctioneer is pointing at me at the time.


Auction Agent Extraordinaire Rance Curtis [left] with Charles Neyhart

## RESEARCH STUMPER

Every now and then, we are faced with an interesting inquiry. We would like our readers to weigh in on a solution. This is our $11^{\text {th }}$ "Stumper."

The item in question is shown below in three colors: dark green, red and dark blue. "U.S. Internal Revenue" is centered in the upper ribbon; "Bank Check" is centered on the lower ribbon between "Two" and "Cents." The numeral 2 is above each value tablet. The perforations are gauge 12. What appears distinctive about this item is that it is printed on a hard, thin, translucent gelatin-type paper. The flaked condition of the dark blue stamp may be connected to the use of this paper. The design is equally visible from the front and back. The back view of the middle stamp is shown directly below the matching front view. [You can increase the size of the images using the toolbar above.]


The "stumper" is to identify the item and to explain its source.
If you have a plausible solution, please submit it to NPL. We will write it up in a future issue of Book Reports and give you full attribution. Document your solution to the extent practicable. The "best" solution will be determined by NPL.

Send your solution via email or letter mail at the appropriate address in the table at the end of this issue. [Albert Hanson provided the item for this "Stumper."]

## LIBRAR Y NEWS \& NOTES

- Larry Spray, NPL Director of Sales, wishes to thank those who made the July 30 NPLOSS fundraising "blow out" sale a huge success. It was great fun for all. Larry moved much of his prodigious inventory of philatelic material at good value to buyers. This was saleable material from collections that had been donated to NPL. Plans are afoot for similar events in the near future.


Would you buy a used car from this man?
Larry Spray displays part of his wares.

- Northwest Philatelic Library is an authorized tax-exempt, nonprofit entity under section 501 (c)(3) of the internal Revenue Code. NPL welcomes contributions of philatelic literature and other philatelic materials as well as direct monetary donations. Outright gifts of cash are used to acquire philatelic literature for the Collection. Donated books and periodicals that fill a specific need are placed directly into the Collection. Books not needed in the Collection are sold or used for other purposes [e.g., youth collectors]. Not surprisingly, common donations to NPL comprise stamps, covers and supplies. With our focus on literature, NPL does not retain a permanent collection of these items, but they are welcome contributions. Significant compilations are consigned directly to an appropriate auction; other similar donations are passed on to youth groups or sold locally to collectors.
- We extend our sincere thanks to Bob Dressler for working up the saleable material from a relatively complete donated Scott worldwide album of $19^{\text {th }}$ century material. Bob's volunteer efforts took a couple of months of careful examination and study. All parts of that donation will add value to NPL through auction and other sale venues. This project, and others like it, was long overdue. We are always on the lookout for volunteers who have the time and philatelic background to do these kinds of things.
- Wayne Holmes has retired as NPL Treasurer. Wayne was elected to the position in 2003 at the inception of Northwest Philatelic Library, Inc. Previously, Wayne had served as Treasurer of the Oregon Stamp Society. Wayne kept a firm and steady hand on NPL
finances and it was through those efforts that NPL achieved a degree of financial stability and the ability to adapt and to quickly take advantage of opportunities for improvement. The NPL Executive Board expresses its gratitude to Wayne for a job well done. Jim Correy was named by the Board as the new Treasurer.


## LIT ADDITIONS

The following titles have been added, through donation or purchase, to the NPL Collection. [Donors are listed in brackets.]

Stanley Ashbrook, The United States One Cent Stamp of 1851-57, vols. I \& II, H.L. Lindquist, 1938. [Charles Neyhart]

David Ball, American Astrophilately: The First Fifty Years, A\&A Publishers, 2010.
R. Scott Carlton, International Encyclopedic Dictionary of Philatelics, Krause, 1997. [Manny Berman]

William Finlay, An Illustrated History of Stamp Design, Peter Lowe, 1975. [Michael Dixon]

William Hagan, The Literature of Philately, A Bibliography, 1997. [Author]
The Collector's Handbook, Heritage Auctions, 2011.


## Adrian Edmund Hopkins, A History of Wreck Covers

 Originating at Sea, on Land and in the Air, Robson Lowe, 1967. [Michael Dixon]Prince Dimitry Kandaouroff, Postmarks, Card and Covers, Collecting Postal History, Peter Lowe, 1973. [Michael Dixon]

Kiryushkin \& Robinson, Russian Postmarks, J. Barefoot, 1989. [Michael Dixon]

Ron Menchine, Propaganda Postcards of World War II, Krause, 2000. [Manny Berman]

Danilo A. Mueses, Seebeck: Hero or Villain? Spanish Main, n.d. [Michael Dixon]

Mortimer Neinken, The United States One Cent Stamp of 1851 to 1861, U.S. Philatelic Classics Society, 1972. [Charles Neyhart]


Rand McNally Standard Map of Oregon, Commercial Atlas of America, 1920. [Bill Seymour]

W.E.J. van den Bold, Handbook of Thematic Philately, James Bendon, Ltd., 1990. [Michael Dixon]

Derek Worboys \& Roger B. West, Madame Joseph Forged Postmarks, RPSL \& BPT, 1994. [Michael Dixon]

James E. Kloetzel, ed., Scott 2012 Standard Postage Stamp Catalogue, Vol. 4, Scott Publishing, 2011.

## Auction Catalogs

American Bank Note Company Archives, Part II, H.R. Harmer, 2007.

American Bank Note Co. Archives - British North America, Christie's Robson Lowe, 1990.

The Herbert J. Bloch Philatelic Reference Library, Roger Koerber, 1985. [Inge Fisher]


John R. Boker, Jr. Collection of German States, Sales 1-18, Heinrich Köhler, 1985-2000. [Inge Fisher]


# JANICE WEINSTOCK'S AER OPHILATELIC LIBRARY <br> A DONATION <br> Continued from July-August 2011 <br> WAVE 4 

## ARCTIC

Hans Egon Vesper, Die Postgeschichte der Arktis, 1973. [2 vols.]

## ARGENTINA

Augusto Victor Bousquet, La Aeroposta Argentina y el Correo Aero, 1992. [In Spanish]
Miguel Emilio Ravignani, La Línea, Rutas y Tarifas de la Compañía General Aeropostal y Air France, 1928-1940, Biblioteca CEFIBA, 2007. [In Spanish]


#### Abstract

AUSTRALIA Samuel Brimson, Flying the Royal Mail: the History of Australia's Airlines, Dreamweaver Books, 1984.


D.J. Collyer, Airgraphs and Australia, 1988.

Nelson Eustis, The Australian Air Mail Catalogue, $7^{\text {th }}$ ed., Hobby Investments Pty, Ltd., 2002.

Nelson Eustis \& Tom Frommer, The Australian Air Mail Catalogue, $8^{\text {th }}$ ed., A Page in Time, 2008.

Tom Frommer, Australian Air Mail Labels and Vignettes, 19201960, The Tom Frommer Collection, A Page in Time, 2003.

Tom Frommer, Exhibit \& Catalogue of Australian Air Mail Labels and Vignettes, 1920-60, Cinderella Stamp Club of Australasia, 1995.
R.J. Gibson, Preludes to Australia's International Airmails, Qantas Airways, 1969.

Alan Goodfellow, England-Australia Race Covers, A. Phillips,
 1935.

Ian McQueen, Jusqu'a Airmail Markings, A Study, W.A. Page, 1993. [plus 1995 Supplement]

John Pickering, The Routes of the Valkyries, Picton Pub., 1977.
H.A. Roggenkämper, Katalog der Aerogramme von Australien und Ozeanien 1992, Euro-Päischen Aero-Philatelisten-Club e. V. Stuttgart, 1992.

Alec A. Rosenblum, Australian Air Mails, Historical and Philatelic, Australian Stamp Monthly, 1931.

## BELGIUM

Emile Vandenbauw, Catalogue de l'Aerophilatelie Belge, '"Pro-Post," 1990. [In French]

## BRAZIL

Karlheinz Wittig, BRASILIEN, Erstflüge bis 1949, Chronologisch Geordnet Nach: Fluggesellschaften, Abflugdaten, Abflugorten, 1991.

## CANADA

George B. Arfken \& Walter R. Plomish, Air Mails of Canada, 1925-1939, Charles G. Firby Pub., 2000.

N.C. Baldwin, Canada, An Air Mail Digest, reprint, Francis J. Field.

Cecil C. Coutts \& Daniel G. Rosenblat, The Handbook of Air Mail Slogan Cancels of Canada, $2^{\text {nd }}$ ed., Slogan Study Group of BNAPS, 1999.

Conway A. Longworth-Dames, The Pioneer and SemiOfficial Air Mails of Canada, 1918-1934, Unitrade Press, 1995.

Ian C. Morgan, The Specialized Catalogue of Canadian Airmails, $1^{\text {st }}$ ed., Century Stamp Co., 1931.

Bill Pekonen, Canada 1946 Seven Cent Air Mail Postage Stamp, Guidebook to "ReEntries" and Varieties, 2003.
O.W.R. Smith, et al., Airmail Catalogue Canada and Newfoundland, $1^{\text {st }}$ ed., Marks Stamp Co., 1929.

William E. Topping, Yukon Airways and Exploration Company Limited, a Pioneer Air Mail Company, Topping Books, 1996.

David H. Whiteley, Official Air Mail Rates to Foreign and Overseas Destinations as Established by the Canadian Post Office: 1925 - December 1942, 2000.

Werner Wiegand, Katalog der Aerogramme von Canada, USA, UNO - New York, 1994, Europäischen Aero-Philatelisten-Club e. V. Stuttgart, 1994.

## CANAL ZONE

Julius Grigore, Jr., The Air Mail History of the Canal Zone and Panama [1918-1941]. [CD]

## CHILE

John Pringle, The First Airmail Flight Across the Andes, $5{ }^{\text {th }}$ August, 1919, an Account of the Discovery of the Flight, with Illustrations of the Covers Carried, Sherratt \& Hughes, 1939.


## CHINA

Chu Chia-Hua, China's Postal Services Commercial Aviation, United Press, 1937.
[Reprinted by Michael Rogers, Inc., 1990]
Arthur Glanzmann, People's Republic of China ... Catalogue of the First Flight Covers, 1949-1995, pt. 1: International Flights, $1^{\text {st }}$ ed., Lawrence AG/Ltd., 1996.

David Lu, Chinese Airmails \& Their Forgeries, n.d.
David Lu, A Comprehensive Illustration of Covers with Sinkiang Provisional Airmail Stamps [1932-1933], Cooperation By Strait Chapters of the Chinese Stamp Society, 2001.
J.B. MacDonald, Airposts and Airstamps of China, 19201934, n.d.

Peter Moeller, Die Flugpost der Volksrepublik China, 19491981, 1982.

Peter Moeller, Eurasia Aviation Corporation, eine DeutschChinesische Fluggesellschaft in China und Ihre Flugpost, 1931-1943, 1989.

Peter Moeller, Eurasia Aviation Corporation, Europäisch-Asiatische-Luftpost-Aktiengesllschaft, 1980.
L.D.L. Stantos, People's Republic of China Catalogue of First Flight Souvenir Cover [1949-1986], 1986.

James Starr \& Samuel J. Mills, The Chinese Air-Post 1920-1935, 1937. [Reprinted from the Collectors Club Philatelist]

## COLOMBIA



Colombia Air Stamps, Check List of Air Stamp Issues and First Flight Covers. [Reprinted from The Aero Field]

Eugenio Gebauer, The Air Post of Colombia, 1963.
Rolf Schneider, Sociedad Colombo-Alemana de Transportes Aereos, ${ }^{\text {nd }}$ ed., 1995. [In German]

## CUBA

Rafael R. Garcia, El Correo Aéreo en Cuba, Club Filatélico de la República de Cuba, 1937.

## DENMARK

Dan Emmerich \& K. Lindskog, Dansk Luftpost Katalog, Emmerich’s Boghandel, 1940. [In Danish]

Mats Hedelius, Dansk Luftpost, Tillaegstakster og Rutebeskriveiser for Luftpostbrevforsendeiser fra Danmark, Forlaget Skilling, 1992. [In Danish]

## ECUADOR

Leo J. Harris, "Ecuador: A Checklist of First and Special Airmail Flights," The Mainsheet, p. 103-105, and June 1975 issue.

## EGYPT

John Sears, The Airmails of Egypt, 1990.


## EL SALVADOR

Alex A. Cohen, Salvador Airmails, n.d.

## FIJI

N.C. Baldwin, The Air Mail History of Fiji, Francis J. Field Reprint, n.d.
B.A. Jones, The Illustrated Aviation and Air Mail History of Fiji, Pacific Islands Study Circle, 2002.
J.G. Rodger, Fiji's Early Internal Air Services, $1^{\text {st }}$ ed., Philatelic Society of Fiji, 1979.

## HAWAII

American Air Mail Society, "The Last Flight Out: Seven Pan American Clippers on the Eve of Pearl Harbor," American Philatelic Congress, 1997, pp. 333-51.
F.W. Webb, Hong Kong Airmails, Postal History Society on Behalf of the Hong Kong Study Circle, 1968.


ICELAND
Brian Flack, Postal Rates in Iceland, 1870-1997, Scandinavia Philatelic Society, 1998.
Arngrímur Sigurdsson, Annálar Íslenskra Flugmála, 1917-1936, 1971-73. [3 vols.]

JAPAN
John C.W. Field, Japan, Overseas and International Flights, Francis J. Field, n.d. [Reprint from Aero Field]

## LATVIA

J. Barefoot, Latvia 2 Airmails, 1983. [Forgery \& Reprint Guide no. 10]

MEXICO
Paul F. Berdanier, Jr., A Catalogue and History of Mexican Postal Aviation, Walter Conrath, 1941.

## NEW GUINEA

Dan Hare, The Airmails of New Guinea, 1922-42, Hawthorn Press, 1978.


## NEWFOUNDLAND

Henry M. Goodkind, The Hawker, a Historical Review of This Newfoundland Stamp. [Reprint from the Collectors Club Philatelist, n.d.]

Jack Ince, Newfoundland Air Mail Postage, 1937-1949: Extracts from the Newfoundland Post Office Circular, Canadian Aerophilatelic Society, 2000.

## NEW ZEALAND

N.C. Baldwin, The External Air Mails of New Zealand. [Francis Field reprint]

The Brian Peace 1919-22 New Zealand Pioneer Airmails. [Auction catalog] R.J.G. Collins, The Air Mails and Pigeon Posts of New Zealand, 1931.


The External Air Mails of New Zealand Check List. [Francis Field reprint]

James A. Stapleton, Handbook of New Zealand Aviation Cinderellas and Airmail Labels, Air Mail Society of New Zealand, 1989.

James A. Stapleton, New Zealand Air Post Cinderellas with Valuations, Air Mail Society of New Zealand, 1992.

James A. Stapleton, The New Zealand Airmail Catalogue, Stirling \& Co., 1987.

James A. Stapleton, The New Zealand Airmail Catalogue, $2^{\text {nd }}$ ed., Air Mail Society of New Zealand, 1994.

James A. Stapleton [Mike Shand, ed.], The New Zealand Airmail Catalogue, 3 rd ed., Air Mail Society of New Zealand, 2009.

James A. Stapleton, New Zealand Airmail Label \& Aviation Cinderella Catalogue, Air Mail Society of New Zealand, 1999.
R.M. Startup, Air Mail Cancellations of New Zealand. [Francis Field reprint]

Robin M. Startup, Airmails of New Zealand, Vol. 3: International Airmails, 1940-1970, Air Mail Society of New Zealand, 1997.

Douglas A. Walker, The Air Mails of New Zealand, Vol. One: the Internal Flights, Air Mail Society of New Zealand, 1955.
J. Reg Walker, New Zealand, the Great Barrier Island 1898-99 Pigeon Post Stamps, Collectors Club, 1968.

## PARAGUAY

Osvoldo Porrtaluppi, História Postal del Correo Aéreo del Paraguay, 2002. [232/400 copies]


## POLAND

J. Barefoot, Poland Airmails, 1983. [Forgery \& Reprint Guide no. 15]

Jack C. Boonshaft, Boonshaft Polish Flight, Dec. 16, 1993 - The Jack C. Boonshaft Collection of Air Mails of the World. [Auction catalog]

## PHILIPPINES

Walter Bruggmann, Air-Post Flights" of the Philippine Islands, 1938.
Linda Stanfield, Flight Covers of the Philippines, 1947-1988, Fritz Walter Lange, 1990.

RUSSIA
G. Adolph Ackerman, Soviet Air Fleet/Osoaviakhim Stamps/Labels. [CD]
G. Adolph Ackerman, Via the Red Skies, the Development of Soviet Air Mail 1922-1945, 2001.


## SOUTH AMERICA

Mario D. Kurchan, Rutas y Tarifas de los Correos Aéreos en Sudamérica, 1928-1940; Air Mail Routes and Rates in South America, 1928-1940, $1^{\text {st }}$ ed., 1999. [In Spanish \& English]

## TRANS-OCEANIC

Hans E. Aitink \& Egbert Hovenkamp, Bridging the Continents in Wartime: Important Airmail Routes, 1939-1945, 2005.

Camille Allaz, The History of Air Cargo and Airmail from the $\mathbf{1 8}^{\text {th }}$ Century, 1st English ed., Christopher Foyle Pub., 2004.

Laurence Kimpton, British Commonwealth Pacific Airlines, 1946-1954, 2005.

## URUGUAY

Herman Kerst, The Uruguayan Airmail Issue of August 23 1929, $2^{\text {nd }}$ ed., Uruguay Collectors Club, 1985.

## IN APPRECIATION

To those generous individuals listed below who have made recent donations of literature and other consideration to NPL.

| Manny Berman | John Blakemore | Edith Clarke |
| :--- | :--- | :--- |
| Robert Delker | Michael Dixon | Bob Dressler |
| Inge Fisher | William Hagan | Don Kennedy |
| Darlene Lengacher | Charles Neyhart | Eric Rader |
| Bill Seymour | Caleb Spiegel | Janice Weinstock |

We THANK YOU All for your Support!

| Northwest Philatelic Library, Inc. |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| President - Charles Neyhart, Secretary - Orlie Trier, Treasurer - Jim Correy, Directors: Darlene Lengacher, Rich Averill and Greg Alexander. Director of Sales - Larry Spray. Secretary Emeritus - Tom Current. |  |  |  |  |
| $\begin{array}{ll}\text { Contact: } & \begin{array}{l}\text { P.O. Box 6375, Portland, OR } \\ \text { (503) } 284-6770\end{array} \\ & \text { nwpl@qwestoffice.net }\end{array}$ |  |  |  | www.nwpl.org |
| Northwest Philatelic Library, Inc. is a nonprofit, tax exempt organization under Section 501 (c)(3) of the Internal Revenue Code. Contributions to NPL may be deductible as charitable contributions on the donor's tax return. |  |  |  |  |
| 1546-204454 |  |  |  |  |





[^0]:    ${ }^{1}$ The presses used for the Columbians were the single-plate hand roller press and the four-station power press. The other originals discussed herein were most probably printed on multi-plate power presses.

[^1]:    ${ }^{2}$ This transfer was accomplished by forcing the paper into the inked recesses of the stamp design on the plate. The paper became sufficiently pliable through the dampening.
    ${ }^{3}$ The introduction to the Scott Catalogue describes "wove" paper as being formed using a wire cloth with an even and close weave which produces a uniform texture throughout and shows no light or dark figures when held to the light.
    ${ }^{4}$ The Columbian reissue was printed on a sheet-fed rotary press; all others were printed on web-fed rotaries.

[^2]:    ${ }^{5}$ This process is more fully described in: George W. Brett, "The U.S. 1893 Columbians and the 1992 Columbian Souvenir Sheets - Their Production and Issuance, Part II," The Essay-Proof Journal [1 ${ }^{\text {st }} \& 2^{\text {nd }}$ Qtr., 1993], p. 1920.

[^3]:    ${ }^{6}$ These scoring marks were reported by George Brett in connection with the introduction of dry printing in the 1950s. See: "The BEP $100^{\text {th }}$ Anniversary Souvenir Sheet," United States Specialist [January 1995], pp. 12-13.

[^4]:    ${ }^{7}$ These changes are detailed in: George B. Sloan, "The Trans-Mississippi Issue of 1898," The Stamp Specialist, Green Book [1943] pp. 31-32.

[^5]:    ${ }^{8}$ These bicolor proofs are illustrated in the Scott Specialized Catalogue.

