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# Writing for the NCNA Journal

The *NCNA Journal* welcomes original articles on all facets of numismatics; articles related to North Carolina numismatics are particularly encouraged. Submission of previously published articles will be considered on a case-by-case basis; prior publication source should be noted at time of submission. The NCNA reserves the right to edit all submissions for length, format and/or content.

Digital copies of submissions are preferred; they should be sent via email to: ghcheek@earthlink.net. Typewritten articles are also accepted; they should be sent to: Greg Cheek, P Box 185, Yadkinville, NC 27055.

The inclusion of images in support of a submitted article is very much appreciated. Digital images of 300 dpi (or higher) are preferred. Files in JPG format are preferred. Please contact the editor before sending images in other formats. Questions regarding images should be directed to the editor. *PLEASE NOTE: The copyright for all images submitted must be owned by the submitter; submission of images downloaded from the internet without prior permission is not acceptable.* 

Authors of articles submitted are eligible for the NCNA's **Bason Literary Award**. It is given each year in recognition of outstanding contributions to the *NCNA Journal* and/or other numismatic publications.

# Advertising in the Journal

Advertisement artwork should be submitted in "camera ready" digital form (300 dpi or greater) whenever possible; a clean business card can be submitted for one-third page ad requests. A \$35 charge will be incurred if the NCNA is required to design an advertisement prior to its publication. Payment is due prior to the first insertion.

Advertising Rates		
	<b>One Insertion</b>	Annual (4x)
One-Third Page	\$20	\$60
Half Page	\$30	\$100
Full Page	\$60	\$200
Back Cover (Full Color)	N/A	\$300

#### Submission Deadlines for Articles and Advertisements

Issue 1 – February 1 Issue 3 – August 1 Issue 2 – May 1 Issue 4 – November 1

# **NCNA Journal**

The Official Publication of the North Carolina Numismatic Association

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# President's Message

The 2023 NCNA Convention and Show is almost upon us, and we're very excited about it being **our 65<sup>th</sup> Anniversary Show!!!** We certainly look forward to seeing you there to help us celebrate the occasion! The bourse is filled will 150 dealer tables, along with ANACS grading services. Several tables have also been set aside for local coin clubs. Check out the outstanding line-up of speakers and education seminars as well! YN programs and activities are planned on Saturday and Sunday, including a Boy Scout Coin Collecting Merit Badge seminar on Saturday morning. See the convention and show details below. Please consider joining us for a memorable weekend!

#### Remember to Renew your NCNA Membership in 2023!

We are well into 2023, and we're excited that many of you have renewed your NCNA membership. However, if you have not done so yet, it is not too late, so please **renew as soon as you can**. We want you to remain with us as a loyal member of the NCNA so we can continue to send you the NCNA Journal. Checkout "News from the Secretary and Treasurer" for more information on joining or renewing your NCNA membership.

#### NCNA Young Numismatist Scholarship Program

Also consider helping a young numismatist connect with the NCNA Young Numismatist Scholarship Program this year. This NCNA program helps provide full tuition funding for one young collector each year to attend the ANA Summer Seminar held in Colorado Springs, Colorado. Young collectors and their parents should consider this great opportunity. Local clubs are also encouraged to nominate deserving young club members as well. Please submit applications by the April 1, 2024 deadline in order to be considered for the 2024 ANA Summer Seminar. More information regarding the NCNA Scholarship Program be found at http://ncna.club/yncan program/programs/ on the NCNA website. Please email Bob Pedolsky, NCNA YN Coordinator, at rpedolsky@carolina.rr.com if you have any questions regarding the scholarship application process or the program itself.

#### Election of 2023 Officers and Board of Directors

I just wanted to make sure that you were aware that **nominations are now closed for NCNA officers and board of directors**. All five officer positions and the three open board of director positions have only one nominee each. Please note the slate of nominees on the next page. Per NCNA by-laws, as all eight positions are uncontested, a formal election will not be needed. All eight **nominees will be accepted by acclimation with a single vote by the NCNA Secretary** at the upcoming NCNA General Meeting on Saturday morning of the convention.

The NCNA Officers and Board of Directors are eager to help with local club efforts to promote the hobby we all love. Please feel free to reach to any of us for help!

I wish you abundant success in your collecting pursuits, and encourage all to find ways to get more involved! Stay safe and take care... and of course, Happy hunting!

Greg Cheek, NCNA President

# <u>Slate of Nominees for 2024 NCNA</u> <u>Officers and Board of Directors</u>

President:
1 <sup>st</sup> Vice President:
2 <sup>nd</sup> Vice President:
Secretary:
Treasurer:
Director (through 2026):
Director (through 2026):
Director (through 2026):

Greg Cheek Perry Siegel Danny Freeman Bill Graves Halbert Carmichael David Boitnott Fred Haumann Duane Higgins

## On the Cover for this issue of the NCNA Journal ...

William Gaston is portrayed on four North Carolina obsolete bank notes. The bank notes on the cover and those included in the article, beginning on page 34, show an engraved detail of the portrait of William Gaston by George Easton Cooke (1793-1849). The Bank of North Carolina operated from 1859 to 1865 in Raleigh with branches in nine cities around the state, P(Pennell)– 1000. The Bank of Wadesborough was operating from 1851-1866, P-1290A. (By Paul Horner, top cover image courtesy of Heritage Auctions, bottom cover image from the Wolfpack Hoard.)

# **2023 Convention & Show Highlights**

The 2023 NCNA Convention and Show – the Association's  $65^{th}$  annual show and convention – will be held the on Friday September  $29^{th}$ , Saturday September  $30^{th}$  and Sunday October  $1^{st}$ .

The Convention will be held again at the beautiful Cabarrus Arena and Events Center in Concord, NC. The arena complex is located at 4751 NC Highway 49 N. Show hours are 10:00am to 6:00pm on Friday and Saturday and 10:00am to 3:00pm on Sunday. Please note the schedule for the convention below.

Bourse Chair Perry Siegel and the convention team has worked hard to put together another outstanding show! The bourse will include 150 dealer tables and 14 new dealers with numismatic, philatelic treasures from the US and around the world. Books and supplies will also be available. There are Dealers from over 12 states and a great variety of material will be available to add to most any collection!

We also have as our special guests, the folks from the **Reed Gold Mine**. They will be conduct a **GOLD PANNING** operation on the bourse floor throughout the convention and show!

## **Express Entry**

Post cards regarding the 2023 NCNA Convention & Show have been mailed to all NCNA members. Be sure to bring your postcard to the show for express entry. You can also visit our web site at *ncna.club* to print a copy of the pre-registration form for express entry as well. Every minute counts when you are on the hunt!

### Parking Voucher Program

The Arena charges a parking fee of \$7.00 (credit card only) during the Convention. Arena concessions will be cashless also. Dealers will gladly accept cash though! To help offset the parking expense for attendees, the NCNA is again offering a voucher program. Upon registering, show attendees will receive a \$7.00 voucher that can be used with participating dealers at the show. The vouchers offer a \$7.00 discount on purchases.

Please note: 1) Bullion purchases are excluded from the voucher program; 2) Only one voucher per attendee per day; 3) Only one voucher per purchase with minimum \$75 purchase – they can't be combined. Please let the dealer know you intend to use the voucher before making a deal and handing your parking voucher to them.

## **General Membership Meeting**

The annual NCNA General Membership meeting will be held on Saturday, September 30 at 8:30am. The meeting is open to all show attendees – come on out ahead of the bourse's opening and meet your NCNA Board and hear the latest updates about your Association. A highlight of the meeting will be the NCNA's annual awards presentations. These awards honor outstanding contributions from numismatists across the state. We will also announce the 2023 recipient of the newly created G. Dean Whisnant Memorial Scholarship. Installing the 2023-2024 NCNA Officers and Board of Directors is also a part of the meeting's agenda. Refreshments will be provided, including Danish pastry, muffins, fruit, coffee, and juice.

# Young Collector's Zone

On Saturday and Sunday, Bob Pedolsky, our NCNA YN Coordinator, will be hosting the "Young Collector's Zone" on the bourse floor. A "**Treasure Hunt**" will be held on Saturday and Sunday, along with other fun games and educational activities for young collectors. Bob will offer a special YN program on "Money of the Civil War" at 11:00 AM and 2:00 PM on Saturday, and another one at Noon on Sunday. We encourage all YN's, as well as their parents and others, to try to attend this program. All young collectors participating in the program will receive free coin prizes! A Boy Scout Merit Badge Seminar is also planned for Saturday morning.

# **Raffle**

A gold coin raffle will be part of the Convention again this year. **Drawings for 1/10<sup>th</sup> ounce gold and one ounce silver eagles** will be done at the end of the show on Sunday afternoon. Winners need not be present. Tickets are just \$1.00 each with six tickets for \$5.00. Proceeds go toward the NCNA's education programs.

# **Convention Educational Exhibits & Seminars**

The Convention will include an educational exhibit area featuring a range of displays covering many areas of the hobby – coins, bank notes, tokens, medals, etc. will all be on display. The exhibit area begins just past the registration area on the left side of the bourse floor. Please support our exhibitors! Make sure to vote for your favorite exhibit after viewing the displays!

The Convention will also feature **seven educational seminars throughout, with three on Friday and four more on Saturday**. The seminars will be held in the draped-off area at the front-left of the hall. Please see the Convention & Show Schedule for a complete list of activities.

# 2023 NCNA Convention & Show Schedule

## Friday, September 29

8:00am	Dealer & Early Bird Bourse Admittance only
9:30am - 10:00am	Early Admittance to Bourse for NCNA members
10:00am - 6:00pm	Convention Open to the Public
11:00am	Educational Seminar "Flying Eagle and Indian
	Head Cents" by Jerry Sajbel
12:00 noon	Educational Seminar "1836: a Year of
	Transition" by Paul Horner
1:00pm	Educational Seminar "America's First
	Commemorative Coin" by Russ Frank
6:00pm	Convention Closes for the Day

## Saturday, September 30

8:00am	Dealer & Early Bird Bourse Admittance only
8:30am - 9:30am	NCNA General Membership Meeting
9:30am - 10:00am	Early Admittance to Bourse for NCNA members
10:00am - 6:00pm	Convention Open to the Public
10:00am - 6:00pm	Young Collector's Zone open – Coins for YNs!
11:00am	Young Collector Seminar - "Money of the Civil
	War" by Bob Pedolsky
12:00 noon	Educational Seminar "Fakes and Frauds in Early
	American Paper Money" by Bob Schreiner
1:00pm	Educational Seminar "Coins of the Bible"
	by Tom Wood
2:00pm	Young Collector Seminar - "Money of the Civil
-	War" by Bob Pedolsky
6:00pm	Convention Closes for the Day

## Sunday, October 1

Dealer & Early Bird Bourse Admittance only
Early Admittance to Bourse for NCNA members
Convention Open to the Public
Young Collector's Zone open – Coins for YNs!
Young Collector Seminar "Money of the Civil
War" by Bob Pedolsky
Convention Closes
<b>Drawings</b> - 1/10 oz. Gold & 1 oz. Silver Eagles

# News from the Secretary & Treasurer

Halbert Carmichael is the NCNA Treasurer, and Bill Graves is the NCNA Secretary.

If you have questions regarding payment of your NCNA membership, please email Halbert at <u>hhcarmichael@mindspring.com</u>. Halbert will continue to take care of all incoming membership applications/payments and other financial matters for the NCNA.

Please direct all NCNA membership renewals and payments to Halbert at following address: Halbert Carmichael /NCNA PO Box 5625 Raleigh, NC 27605

Halbert will pass along your membership information to Bill Graves, as Bill maintains the NCNA membership records. Bill is also available to assist you with inquiries regarding membership status. You can send him an email at *bgraves180@aol.com*.

Halbert and Bill want to thank all of you who have renewed your NCNA membership in 2023! If you've not done so yet, please renew yours as soon as you can so that you'll continue to receive the NCNA Journal.

PLEASE NOTE: Look at the <u>MAILING ADDRESS LABEL on</u> <u>your JOURNAL envelope</u>! The label shows the year that your NCNA membership dues are paid through. If it indicates 2022 or before, your membership renewal is due now. If it shows 2023 or after, your membership dues are good through that year.

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Visit the NCNA Website at <u>www.NCNA.CLUB</u>

# Notes from the Editor's Desk

What can I say? This edition of the NCNA Journal is again loaded with a varied selection of member submitted articles. I'm confident that you will find something of interest to your collecting focus.

Perry Siegel presents "*Hadrian's Travels*" in this edition of *The Ancient Guy*." Perry highlights the life of Hadrian, and his 21 year tour o "The Empire". As usual, Perry provides some great images of Roman coins depicting Hadrian to illustrate the story.

Perry Siegel also shares more about another NCNA board of director's member. In this edition of the NCNA Journal, the spotlight is on Paul Landsberg in *"Getting to Know Your Board."* 

Bill Graves goes "*On the Record*" again with a follow-up book review, as he highlights Volume II of Q. David Bowers' "Silver Dollars & Trade Dollars of the United States - A Complete Encyclopedia."

In his column, *Young Collectors News*, Bob Pedolsky highlights YN activities planned for the upcoming MCNA Convention and Show. Mathew Devine also shares his experience at the recent ANA Summer Seminar.

*"Collecting the Silver Three-Cent Pieces,"* by Mark Benvenuto, provides a few insights and considerations for assembling a set of the often overlooked silver three-cents.

Paul Horner presents another interesting article filled with history in *"William Joseph Gaston: Portrait of a Tar Heel."* Paul shares the story of William Gaston, illustrated with select images of North Carolina obsolete currency depicting this well-known North Carolina native.

Jeff McClauslin of the Raleigh Coin Club, Lowell Knouff of the Low Country Coin Club, and Bill Brewer of the Iredell-Statesville Coin Club have shared reports regarding their recent and very successful shows in *News from the Clubs*.

I'm always appreciative of the great articles that are submitted to the NCNA Journal. Sit back and relax to take time to read and enjoy them. Your feedback on the journal is always welcome, and I'm always looking for articles from new contributors as well!

Until the next journal... Take care, Greg



Are you a young numismatist or do you know a young numismatist who might be interested in applying for the NCNA YN Scholarship?

Please contact Bob Pedolsky, NCNA YN Coordinator: <u>rpedolsky@carolina.rr.com.</u>

# Low Country Winter Coin Show February 2 – 4, 2024

Friday 12:00 PM-5:00 PM Saturday 9:00 AM-5:00 PM Sunday 10:00 AM-3:00PM



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# Hadrian's Travels

By Perry Siegel

Regarded as one of the greatest of all Roman emperors, Hadrian instituted a policy of peace and consolidation on the heels of the wars and aggressive expansion under his predecessor Trajan. This period of A.D. 117-138 under Hadrian is often referred to as the beginning of the golden age known as *Pax Romana*. The one major exception to a peaceful reign was the Second Revolt in Judaea (A.D. 132-135) which was led by Simon Bar Kochba. Hadrian led quite an interesting life, often described as the most versatile of all Roman emperors with an intense quest for knowledge. Hadrian's father died when he was ten years old, at which time he became the ward of the then future emperor Trajan, who provided for his education in Rome. This began his lifelong love for Greek culture which earned him the adolescent nickname of "Greekling (Graeculus)!"

Hadrian is perhaps best known for traveling extensively throughout the Roman Empire during his 21 years serving as emperor. In fact, his travels were almost continuous from A.D. 120-136! Hadrian's first trips in 120-122 were designed to shore up Rome's northern borders with trips to Gaul, Britain, and Spain, then to Asia in 123 and Greece in 125. Hadrian then returned to Rome via Sicily in 127. The emperor quickly resumed his travels again in 128, going to Africa, Greece, Asia Minor, Syria, Judaea, Palestine, and finally Egypt where he visited Alexandria. He ultimately returned to Italy in 136 to live out the final years of his life.

Hadrian's travels were both for pleasure to satisfy his love of culture as well as for practical purposes. His intent was to gain a direct view of the condition of the empire by investigating local conditions, instituting needed reforms, and reviewing the local troops. He commemorated many of his visits and spread valuable political propaganda by striking a series of coins late in his reign known today as the 'Hadrian Travel' series. These coins form four specific series, celebrating his arrival (ADVENTVS), his work of restoration (RESTITVTOR), his attention to the army (EXERCITVS), and the name and personification of the province (PROVINCE).

**ADVENTVS.** Hadrian made a brief visit to Judaea around A.D. 130, during his second great provincial tour. Prior to his arrival, rumors spread among the Jewish people that he intended to rebuild Jerusalem and the great Temple which was destroyed during the Jewish War of A.D. 66-70, so he was warmly welcomed. However, Hadrian decided to "refound" the city of Jerusalem as the Roman colony of Aelia Capitolina, with a temple dedicated to Jupiter on the Temple Mount. This incited the Jews, ultimately sparking the bloody Bar Kochba Revolt, and thus Hadrian remained in the region until 135 when the revolt had largely been suppressed, and which devastated the province with hundreds of thousands perishing and many survivors sold into slavery. The rare bronze sestertius below issued to mark his visit with the legend ADVENTVS AVG IVDAEA (the Emperor Enters Judaea) depicts Hadrian greeted by a female personification of Judaea and two children bearing palm branches.



**RESTITVTOR.** If any emperor could claim to be the 'restorer of Greece' it was Hadrian with his huge infatuation of Greek culture. Hadrian lavished Greece – particularly Athens – as would no other emperor in the history of Rome. While Emperor Hadrian visited Athens at least three times. Without question it was a favorite destination, and had he not had such a sense of duty and quest for overall knowledge, Hadrian might have spent the entirety of his reign in the shadow of the Parthenon! He paid for many capital improvements in Greece – new temples, statues, and monuments were erected, and dilapidated ones were restored. He also sponsored games and festivals. The beautiful gold aureus beneath displays the emperor raising up the kneeling figure of the Greek city-state Achaia. Hadrian understood the cultural and political importance of games to the Greeks, and the design of this aureus clearly reflects that by the inclusion of the agonistic urn with a palm branch, a symbol of Greek games as well as peace.



**EXERCITVS.** Hadrian is shown in the bronze sestertius below saluting the Dacian Army, as indicated by the legend exercitvs dacicus and is represented by three standard bearers. The one closest to the emperor is the aquilifer who carries the legionary eagle (aquila), followed by the vexillarius who totes a standard topped with a banner (vexillum), and behind him a signifer who carries a standard adorned with metal disks (the signum). While aquilifers and vexillarii marched as the focal point for entire legions, the signifer marched before individual cohorts that composed the legion.



**PROVINCE.** Certain Hadrian travel series coins simply stated the name of the province with a personification of that province depicted. The provinces were represented as women, which makes sense since province names in Latin are feminine nouns. Hadrian's ancestors were wealthy landowners in southern Hispania (Spain), so the province displayed below held special significance for him. This gold aureus shows the reclining figure of Hispania resting against a rock and holding an olive branch. Olive oil was a prized export of this region. The small rabbit also symbolized Hispania to the Romans.



Egypt retained a special place in Hadrian's heart, and is depicted in three distinct types on his travel series coinage. Aegyptos, Nilus, and Alexandria appear on coins of this series. Below, the beautifully engraved gold aureus displays the river god Nilus (Nile) resting an arm on sphinx with a hippopotamus on the left and a crocodile swimming in the water below. The other outstanding gold aureus shows the personification of Egypt with an ibis at her feet, a bird native to the land. Finally, a silver denarius depicting the personification of Alexandria holding a sistrum with a snake in a basket to the left.



Hadrian's visit to Egypt began triumphantly but ended in tragedy, when his favorite and lover, the beautiful Antinoüs mysteriously drowned while sailing up the Nile in A.D. 130. Hadrian met the youth Antinoüs when he visited Claudiopolis in Bithynia, and he accompanied Hadrian on all future travels. His drowning was said by Hadrian to have been an accident, but the notion has been put forward that Antinoüs sacrificed himself in a ritual whereby he surrendered his spirit to save his lover who was in poor health. It was believed that anyone who drowned in the Nile, except for suicides,

became a god because the river, which gave the land life, had taken that person for a specific purpose and greater good. Perhaps Antinoüs believed he was surrendering his mortal life so Hadrian could live pain-free, which would have been a ritual sacrifice rather than suicide. Interestingly, Hadrian's health improved afterward!



Bronze drachm of the beautiful Antinoüs struck in Alexandria, Egypt.

During Hadrian's stay in Britannia in 122 construction began on a 73 milelong wall across the north of the province, famously known as 'Hadrian's Wall.' The wall was intended to mark the boundary between Roman lands and the barbarian territories to the north. The bronze sestertius below commemorates his journey there, depicting the seated and armed, newly created Roman personification of the province of Britain, her right foot set on a pile of rocks and appropriately equipped with a spear and a distinctive shield with a sharp central point, both military attributes referencing Britain's position at the farthest edge of Roman power. This type was featured continuously on British coins from 1672-2008.



A popular collecting series, the much beloved travel series is extremely difficult to collect in its entirety. While many coins of this series are readily acquired, others are so rare that they have not appeared in any sales in the last 20 years. Hadrian's travels were remarkable given the extreme challenges present in traveling long distances in the ancient world, even for the elite. Hadrian's journeys depicted on coins are still prized today as they are physical pins on an imaginary map of Hadrian's Empire, now almost two thousand years gone.

#### All images courtesy of Classical Numismatic Group



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# Getting to Know Your NCNA Board

By Perry Siegel

Paul Landsberg joined the NCNA board in 2019 after spending some time as a special assistant attending the meetings. Paul has been a longtime member of the Raleigh Coin Club having filled roles such as President, Vice President, Secretary, and Bourse Chair. His first club meeting was in 1999.

Paul was born in New York City -- Flushing to be precise. After a dozen years of moves to



different east coast cities, he returned to Flushing at 13 years old. Shea Stadium could often be seen or was a quick subway ride away. The downside is that NYC is one of the hardest places to incubate numismatic tendencies. Nobody has ever visited Stack's and asked "could I look in vour junk boxes." Fortunately, Paul had an uncle that primarily collected stamps, but also dabbled in coins and most importantly, he went to a monthly coin show right across the street from LaGuardia Airport. Bingo! At 13 you have no income and few social skills, yet Paul met a tremendously engaging coin dealer - Sam Nebb. He turned Paul on to ancient coins with hype worthy of a snake oil salesman. He also met a very, very new coin dealer who opened a shop about a year before the Hunt Brother shenanigans played out. Paul built 90% of a Barber Dime set buying Barber Dimes at the high bullion prices.

Girls and college really put a damper on coin collecting but somewhere in graduate school Paul found his ancient coins, and, partially completed Barber Dime set. Thus, his numismatic journey had been revived! I don't know how many of you remember PI - Pre-Internet days, but Paul was so amazed and happy to be able to bid on coins using touch tones on a telephone. WOW! He also was part of Collector's Universe that had very rudimentary auctions and in a bold stroke of coincidence Paul had sold at least one ancient coin to Tom Wood, who was living in North Carolina. When Paul moved to North Carolina in 1998, a small group of ancient collectors was formed and who should be there? Tom Wood!

Moving forward to 2007, in a fit of true diminished mental capacity according to Paul, he took on the role of bourse chair for the Raleigh Money Expo. To compound an epic mistake Paul has continued off and on in that role ever since. He has managed to balance a stressful career at IBM with the glitz and glamour of being a show chair, a wonderful family, and the side hustle of being a coin dealer. Fortunately, Paul keeps his priorities quite clear and for anyone who has seen his Facebook posts, he manages to locate interesting food at any given coin show or business travel destination!

# ON THE RECORD

#### By Bill Graves

As I sit down to write this column, we are preparing for the annual Iredell-Statesville Coin Club Show to be held at the Statesville Civic Center. I also recently returned from the Blue Ridge Numismatic Association annual show held in Dalton, GA. BRNA is always heavily attended due to its proximity to Atlanta and Chattanooga, TN.

For this column, I almost thought about doing a YouTube video, as I'm delving into **Q. David Bowers "Silver Dollars & Trade Dollars of the United States a Complete Encyclopedia, Volume II".** It covers U.S. dollars 1878 to date and commemorative dollars 1900 to date. The rationale for YouTube reference is that the copy that I picked up was brand new, shrink wrap and all; which could have been an "unboxing" event in its own right.

As with Volume I Bowers drew on several key contributors such as: Mark Borchardt, Walter Breen, and R.W. Julian; all numismatic heavyweights. In addition, he has included expert input from: Andrew Pollock III, Harry Salyards, MD, and Frank Van Vallen. Forward, as before, is provided by Kenneth E. Bressett; "Mr. Redbook".

Volume II contains 13 chapters, and provides a brilliant perspective on the complexity of the Morgan dollar series, as well as coverage of the Peace, Ike, and Susan B. Anthony dollars. Included in the book is a thorough look at the popular silver eagles, and commemorative dollars, which includes a collectors guide and sage advice on how to invest in same. As a bonus Bowers covers pattern silver and the Trade dollars, and for icing on the cake, included are popular and helpful terms and definitions used in the vast dollars category.

While on the surface the Morgan dollars of 1878-1921 seems an uncomplicated issue of coins, in reality it is one of the most complex and misunderstood series of coins issued by the United States. **The story began in the early days of the Civil War...** 

In the South citizens had quickly hoarded all the gold and silver coins that could be found, but in the North a different set of rules applied, at least at first. It was not until December 1861 that gold left circulation in the Union States while silver was to go the following June. From 1862 until 1873, the marketplace in the eastern United States was to use primarily base coins and paper money. Even though gold or silver coins did not circulate, a surplus of silver was beginning to build up. Prior to 1859 the amount of silver mined in this country had been negligible, but in that year there were significant discoveries in Nevada.

The **Comstock Lode** was one of the best known in that area. There was a flood of silver from these mines, but until the late 1860s much of the metal was sent to Europe to pay off debts, and as result Europe became awash in silver by 1870. In 1871, after the Franco-Prussian War provided the means to unite Germany, Berlin went on the gold standard and dumped tons of silver on the international market. Slowly but surely the price of silver was driven downward. As early as 1868 the coinage of minor silver had increased, but until 1876 the government was unable to put the coinage into circulation and keep it there.

Enter the Morgan dollar; with the first working dies being finished on March 11, 1878. The first actual delivery of Morgan dollars came on March 12 when the coiner completed 100 Proof coins for collectors. The Mint price was \$1.25, and the first group of coins quickly went to dealers and collectors. On March 18 another 100 Proofs were delivered and again left the Mint soon afterward. The final delivery of Proof coins, for the opening days, was made on March 26, 1878 (200 specimens).

Jumping ahead, I wanted to bring in one of the most popular modern events regarding the Morgan Silver dollar. Most of today's Morgan collectors has some familiarity and exposure to the GSA dollar sale, so I wanted to cover that topic here. As commonly understood, over many events the U.S. Treasury accumulated and stored hundreds of millions of Morgan and Peace dollars. Just before the Treasury halted such sales of silver coinage on March 25, 1964, it was found that nearly 3 million uncirculated Carson City dollars remained in the vaults of the Treasury Building in Washington. On December 31, 1970, President Richard M. Nixon signed legislation which provided that the General Services Administration branch of the government be empowered to liquidate the coins. The G.S.A. held a series of seven sales, with the first extending from October 1972 to March 1973. the second from June 1973 to July 1973, the third in October 1973, the fourth in February 1974, the fifth from April to June 1974, and two more sales in February and July of 1980.

Other notable related events involving the Morgan dollar are the **Redfield Hoard**, the "**Curly**" **Stansbury Hoard**, and the **Continental-Illinois Bank Hoard**. The collector needs to explore the intriguing details of these key events, as they have shaped the landscape for the entire Morgan Silver dollar experience to this day.

To continue, Bowers and his supporting cast have laid out amazing detail regarding rarity, with copious coverage of condition, grade, and insight into their opinion on value and the best strategy for making sound numismatic investment decisions.

I always enjoy the commentary on key auctions from the key market makers of the day, and their strategies for assembling outstanding collections. Further, there is in-depth treatment of each Morgan dollar, year by year, and mint by mint, to provide context to aid the collector.

In all, a remarkable achievement again, by Mr. Bowers, one which I will continue to describe in the next issue of the NCNA Journal, when we jump into the Peace dollar, and the rest of the content in Volume II.

Until next time, be sure to go "beyond the surface" to expand your knowledge and enhance your enjoyment of the hobby.

Next time: Volume Two (continued).

# **NCNA Classifieds**

Current NCNA members may place a free, text-only buy/sell/trade ad in the *NCNA Journal*. Ads are limited to 50 words (more as space allows). Ads from non-members will be considered as space allows; cost for non-members is  $25\phi$  per word (minimum of 20 words). The NCNA reserves the right to edit ads to fit the available space, and to refuse ads at its discretion.

**FOR SALE:** Complete sets of wooden nickels used to promote the Raleigh Money Expo<sup>TM</sup>. Years included: 2013, 2014, 2015, 2016, 2017, 2018; six in total. \$6.00 per set, postage included. Contact <u>info@raleighcoinclub.org</u> or send payment to RCC / PO Box 99601 / Raleigh, NC 27624. Visit <u>www.RaleighCoinClub.org</u> to view the woods (under "Club Collectibles").

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# **COIN SHOW CALENDAR**

Shows are subject to change or cancellation. Check for updates on the NCNA Website prior to attending: www.NCNA.club

## NC

NU	
	Raleigh, NC
Sept. 9-10	Rare Coins of Raleigh Coin & Currency Show
Sa: 10a-6p	NC State Fair Grounds, Martin Bldg.
Su: 10a-4p	4285 Trinity Road, 27607
	Contact: Shanna Millis-919.790.8544
Sep. 29-30	Concord, NC
Oct. 1	NCNA Convention and Coin Show
Fr: 10a-6p	Cabarrus Arena and Events Center
Sa: 10a-6p	4751 Highway 49 North, 28025
Su: 10a-3p	Contact: Perry Siegel – 704.488.4787
	Jacksonville, NC
Oct. 14-15	Jacksonville-Camp Lejeune Coin Club Show
Sa: 10a-5p	Hilton Garden Inn
Su: 10a-4p	1016 Jacksonville Parkway, 28546
-	Contact: Calvin Lindsey – 910.548.3963
	Raleigh, NC
Nov. 18-19	Carolina Coin & Stamp Show
Sa: 10a-5p	North Carolina State Fairgrounds, Holshouser Building
Su: 10a-3p	4285 Trinity Road, 27607
_	Contact: Clayton Brewer – 910.574.4635
	Fayetteville, NC
Dec 2.2	Cape Fear Coin Club Show
Dec. 2-3	Honeycutt Recreation Center
Sa: 10a-5p Su: 10a-3p	352 Devers Street, 28303
Su: Iva-Sp	Contacts: Mickey Smith - 910.497.5445
	John Russell - 910.964.0031
	Salisbury, NC
Dec. 8-9	Rowan County Coin Club - Annual Pre Christmas Show
Sa: 10a-5p	Salisbury Civic Center
Su: 10a-3p	315 S. MLK Ave., 28144
	Contact: Don Harris 704.857.7231
nn	

# SC

	Lugoff (Camden), SC
Sept. 15-16	Camden Coin Club Fall Show
Sa: 9a-6p	Camden City Arena
Su: 9a-3p	169 Wildwood Lane, 29020
-	Contact: Pascal Brock - 803.572.1367

	<b>Attention show promoters!</b> Send in your show information for the NCNA Journal to <u>ghcheek@earthlink.net</u> at least four months ahead of time.	
Oct. 14 Sa: 9a-5p	Florence, SC Pee Dee Area Coin Club Annual Coin Show Florence/Darlington Technical College – SIMT Building 1951 Pisgah Road, 29501 Contact: George Smith – 708.549.9811	
Oct. 21 Sa: 9a-3p	Sumter, SC Sumter Coin Club Annual Coin Show Bethesda Church of God Fellowship Hall 2730 Broad St., 29150 Contact: Glenn Heimburger - 803.316.3899	
Oct. 26-28 Th: 10a-6p Fr: 10a-6p Sa: 10a-5p	Greenville, SC Annual SCNA Convention and Coin Show TD Convention Center 1 Exposition Drive Contact: Bill Latour – 843.532.5089	
VA		
Sep. 22-24 Fr: 10a-6p Sa: 10a-6p Su: 10a-2p	Fredericksburg, VA VNA Convention & Coin Show Fredericksburg Expo Center 2371 Carl D Silver Parkway, 22401 Contact: Richard Schornak – 757.659.0235	
Oct. 7-8 Sa: 10a-5p Su: 10a-4p	Virginia Beach, VA Virginia Beach Coin Show Virginia Beach Convention Center 1000 19th Street, 23451 Contact: John Kolos - 757.331.1530	
Nov. 4-5 Sa: 10a-6p Su: 10a-4p	Vienna, VA Vienna Coin and Stamp Show Vienna Community Center 120 Cherry Street, 22180 Contact: Darren Coker – 703.532.6640	
Nov. 4-5 Sa: 9:30a- 5:30p Su: 9:30a- 3:30p	Salem, VA Salem/Roanoke Valley Coin Shows American Legion Post #3 710 Apperson Drive Contact: Will Camp – 540.943.2267	
Dec. 14-15 Sa: 10a-5p Su: 10a-4p	Annandale, VA Annandale Coin Show Northern Va. Comm. College Ernst Comm. Cultural Center 8333 Little River Turnpike, 22003 Contact: Wayne Herndon – 703.385.0058	



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# Young Collector's News

By Bob Pedolsky

## Hello YNs of all ages!

This is the lead up to the NCNA annual show coming to the Cabarrus Arena on September 29<sup>th</sup>, September 30<sup>th</sup> and October 1<sup>st</sup>. We are looking forward to building on the past few shows, especially since the end of the pandemic. For this year's show, the presentation for the YNs will be *"Money of the Civil War"*. I encourage not only YNs but their parents and others to try to attend. The topic is fascinating and extensive, and it was fun to put together. The questions for the Treasure Hunt will also be on the same topic. Prizes for participants will include many new items that have been donated to the YN program over the past year. Three YNs from the Charlotte Coin Club (they are also NCNA members) have assisted in organizing the donations over the summer. I would like to thank Stephen, Samuel and Charles Bodnar for their assistance and hard work.

Please note the recap below of **Matthew Devine's trip to the 2023 ANA Summer Seminar**. Matthew won a full scholarship and NCNA awarded him a stipend to assist with expenses. Congratulations, Matthew, on a great job. Matthew will be at the NCNA show in Cabarrus assisting with the YN program. Any YNs attending, come by to talk to Matthew about his experience and get tips on applying for the scholarship.

For YN coordinators throughout the state, please **submit names of YNs you believe could be the North Carolina YN of the Year**. For any YN, it is an accomplishment and an honor just to be considered. It also helps to build a resume for the ANA Summer Seminar scholarship.

A great way for young numismatists to advance their resume for the ANA Summer Seminar scholarship is to **exhibit at the NCNA annual show**. Exhibiting has many other benefits. You will increase your chances of being YN of the year for NCNA. You will also advance your knowledge on the topic of your exhibit and increase the knowledge of the people who view your exhibit. And lastly, you will encourage other YNs to participate and mentor any that might have questions.

**The NCNA ran the youth program for the Statesville Coin Show in early August**. There were free coins and other handouts for the 20-25 YNs that came by. The presentation was on the history of "The Nickel - More Than Just Five Cents".

If any clubs need a program and, if my schedule permits. I would be glad to attend for a day and either assist your YN coordinator or have hand outs and do a presentation.

I hope to see you at the show. Till then, remember to have fun! Bob

## Report from the 2023 ANA Summer Seminar

By Matthew Devine

This past June, I attended Summer Seminar with the support of the Charlotte Coin Club, the NCNA, and the ANA. It was held at Colorado College in Colorado Springs, the headquarters of the ANA. I took the Introduction to US Coin Grading Part 1 class which was led by Rod Gillis and Mike Ellis. Their class involved handling a variety of coinage. I was even able to hold and examine several Saint-Gaudens double eagles. The instructors also took the time to give us their personal thoughts and input regarding coin grading and the hobby itself.

I also made the choice to stay on campus which allowed me to engage with other YNs. Through this time to connect, I formed new friendships and was able to meet several notable figures such as Ralph Ross, the ANA president, and even Kenneth Bressett. Overall, Summer Seminar is an experience I would recommend to any collector, regardless of one's age or expertise. This event offers something for everyone and provides a great opportunity to network with other collectors from across the world.

Because of my experience this year, I would love to attend again next summer and take the second grading class. I look forward to seeing you there next year.

Are you a young numismatist or do you know a young numismatist who might be interested in applying for the <u>NCNA YN Scholarship</u>?

Please contact Bob Pedolsky, NCNA YN Coordinator: <u>rpedolsky@carolina.rr.com.</u>

# **Collecting the Silver Three-Cent Pieces?**

By Mark Benvenuto

Whenever the price of copper rises significantly, there is some talk in both government circles and the numismatic community that it might be time to consider producing a two-cent coin once again. In such discussions however, the idea of a three-cent coin never quite seems to surface. And yet we have some history for this odd denomination as well. It might be fun to take a look at it.

The first of the three-cent pieces to come out of the gate back in 1851 – the design work of Mr. James Longacre – were able to claim the title of the smallest United States silver coin. That may or may not be a bragging point, but even today it is a title that has not been usurped. Each of these tiny silver pieces weighs in at only 0.80 grams, 75% of which is the precious metal. The first year of issue, 1851, saw over 5.4 million of them pounded out of the main Mint in Philadelphia, and another 720,000 produced at the branch facility in New Orleans. Collectors today consider that a pretty good-sized mintage, and thus consider this date to be a pretty common coin. The price tag for an 1851 silver, three-cent piece is not all that high today, although the sibling with the 'O' mint mark does command a premium. Something like \$100 will go far in purchasing either one of these first issues, most likely in a circulated but good-looking grade.

As time went on, one of the oddities of this series became the way the lines around the prominent, six-pointed star seemed to keep changing. The first three years see a single line, while the next five years saw three such lines. In 1859 the outlines switched once again, this time to two lines. Plenty of collectors consider this something of a "ho hum" when it comes to designs and varieties; but some aficionados do keep track of such changes.

The silver, three-cent pieces had a run that lasted from 1851 all the way to 1873, and did see a couple of years with higher mintage totals than those just mentioned for the first year, plus a few other dates in which the one-million point was exceeded. For most collectors, that will do nicely, since this little gem is often collected as a type coin. What we mean is many folks want just one, to fit into some much larger set. For those of us who wish to dive deeper into this pool though, the interested collector finds quickly that this is a tough series. Here's why we make that claim.

From 1851 through 1858, there were always enough silver, three-cent pieces produced that we would call them common today. Even the 1854 and 1855, which saw significantly smaller production runs than the others in this time frame, are plentiful enough that just about every collector who wants one can get an example – in part because so few of us try to collect a date run of

these little guys. We might even be able to make this claim about how common a piece is for the four years from 1859 to 1862. But from 1863 to the end, the numbers produced are absolutely tiny, and tough to find today.

To give some idea of just how we go about defining "tiny," let's use the 1863 as a starting point. We can only think that this coin was something of a footnote to the people who worked in the Mint and actually produced it when we look at its mintage. To make just one comparison or use just one example, the 1852 is the most common of the series, with 18,663,500 coined. The 1863 we're looking at saw only 21,000 produced, which is basically 0.1% of that 1852 total – meaning the 1852 is roughly one thousand times more common. Since there are 365 days in the year, 0.1% of a year translates into roughly one-third of a day. It appears then that the entire Mint run of 1863 silver, three-cent pieces was something that could have been produced on a good morning of a single work day!

Perhaps oddly, the expense for an 1863 silver, three-cent piece is only about \$600 in a grade like very fine, or VF-20. While this isn't pocket change for most of us, it also isn't a thousand times more expensive than its more common kin. Still, that outlay is enough that most collectors will probably keep their costs down by sticking with a single coin, one of the common dates, especially if their collection only needs that single type.

From 1863 to the end of the series, none of the silver, three-cent pieces are inexpensive, simply because they are all at least as rare as that 1863. It's interesting to note though that even the rarest of this crowd does *not* end up coupled to price tags which are insanely high. It always seems to come back to the idea that there is not a very wide collector base for this tiny set of silver.

In another fascinating twist for the silver, three-cent pieces, there are several years in which some proofs were made, and the final year of issue ended up being a proof-only year. The year 1873 was not the end of this denomination, as there were also nickel, three-cent pieces being produced by then, but it was the end of the silver version. In 1873 the Mint records indicate that just 600 proofs were made, and no regular issues for circulation. As with the just-mentioned rare dates, we might think this coin costs a fortune – and at about \$2,000 the price may be out of the comfort zone for many of us. But by comparison, that price will only land us a 1916-D Mercury dime in a grade like very good, or VG-8. Clearly, this proof is undervalued. The other proofs are probably in the same boat.

When all is said and done, the silver, three-cent pieces remain a neat yet under-collected piece of our history. We can only wonder if the denomination might once more become of interest should the price of copper rise yet again.





## William Joseph Gaston: Portrait of a Tar Heel

(September 19, 1778 – January 23, 1844) By Paul Horner



The Gaston portrait shown on all four bank notes was engraved by Asher Brown Durand (1796-1886.)

The biography and political career of William Gaston were extensive and are easily found online and in published works, so just a few highlights are in order. He is listed as the first student at Georgetown College where he studied from 1791 to 1793. He was the Newbern Academy valedictorian in 1794, and in Nov. 1794 he entered Princeton College as a junior and graduated at age 18 at the head of his class. Smart guy! He served one term in the US House of Representatives in the 14<sup>th</sup> Congress, 1815-1817. In 1815 he presented a petition to Congress for Georgetown College to issue academic degrees. He served in the NC Senate for four

terms beginning in 1800, and in the NC House of Commons variously from 1807 through 1832 as the Newbern<sup>1</sup> town representative. He is most remembered for his years as an associate justice of the NC Supreme Court from 1833 until he died in 1844.

Bank of NEWBERN Promise to pay S. B. Horbes Nonbern the 25 day of March 1829 20 Myuin cash Win: Lacton Pin

William Gaston was president of the Bank of Newbern from about 1828 through 1832. Notice his signature as President on this rare note. This note may be genuine, or not; at this late date it is hard to tell! P-unlisted, Haxby G12. Image courtesy of The Wolfpack Hoard.

On the 20<sup>th</sup> of June, 1832, commencement day, at The University of North Carolina, he gave his most famous speech before the Philanthropic and Dialectic Societies. He implored his audience to uphold the Constitution and to preserve the Union<sup>2</sup>. In the same speech he condemned the institution of slavery and insisted upon its eventual abolition, although at the time of his death in 1844 he owned 163 slaves. In 1835 a convention was called to modify the North Carolina state constitution. Gaston, a lifelong Catholic, was instrumental in the change that allowed all Christians, not just Protestants, to be legally eligible to hold public office.



Gaston's portrait is "flipped" on this note. The note is known dated as early as 1835, with the "Promise to pay Wm Gaston..." He may have been an official in the Merchants Bank of Newbern, but that has not been verified. P-910. Image courtesy of The Wolfpack Hoard.

In 1835, William Gaston wrote song lyrics to accompany a tune that came from a concert of Swiss bell ringers. It was first sung in public at the Whig state convention in October of 1840. *The Old North State* was formally adopted as the state song in 1927.

"Carolina! Carolina! Heaven's blessings attend her! While we live we will cherish, protect and defend her! Though the scorner may sneer at and witlings defame her, Our hearts swell with gladness whenever we name her.

Refrain: Hurrah! Hurrah! The Old North State forever! Hurrah! Hurrah! The good Old North State!

(Followed by 4 more verses.)



The Bank of Cape Fear centered Gaston on their attractive C note. This hundred is found as both proof and issued notes from Asheville, Salisbury and Wilmington. Unfortunately, the lovely damsels on either end have not been properly identified. P-330. Image courtesy of The Wolfpack Hoard.

There are several *Gaston* landmarks<sup>3</sup> scattered around North Carolina and beyond: Gaston County was formed in 1846 from Lincoln County, and Gastonia has been the county seat since 1911. Lake Gaston is a 20,000 acre lake in northern North Carolina and southern Virginia. The Gaston Hydro Station operated by Dominion Energy is on the east end of Lake Gaston, utilizing, of course, Gaston Dam. A NC Highway Historical Marker to *Gaston* is in New Bern. NC at the corner of Broad and Craven Streets. Gaston College, part of the North Carolina Community College System, is in Dallas, NC. Gaston Hall auditorium is at his alma mater, Georgetown University. A WW II Liberty Ship, the SS William Gaston was built in 1942 by the North Carolina Shipbuilding Company in Wilmington, NC. It was hit by two torpedoes from the German submarine U-861 about 150 miles off the coast of Brazil on July 23<sup>rd</sup>, 1944. It rolled over and sank in 3 minutes, but with no loss of life! All 67 survivors were picked up on the 25th by the USS Matagorda AVP-22 (a seaplane tender) and taken to Brazil. Since at least 1998, the Gaston County Board of Commissioners has annually awarded the William Gaston Award. "A very important part of the Board's mission is to encourage citizen involvement in county government. The Board recognizes the significant contributions citizens make to Gaston County through their work on county boards, committees and task forces..." From images on the Gaston County website, the awards appear to be plaques or trophies. A marble bust of William Gaston was presented to the NC House of Representatives in 1914.
On January 23<sup>rd</sup>, 1844, William Joseph Gaston fell ill while hearing a case and died in his office in Raleigh. He now rests in Cedar Grove Cemetery in New Bern, NC. Gaston was six feet tall with dark hair and blue eyes. He was married three times and had 1 son and 4 daughters. His last words: "We must believe there is a God - all wise and all mighty."



This Bank of Wadesborough \$4 is known in three varieties: A proof on India paper as shown here, issued (P-1290), and with two red "4" overprints: P-1290A. Notice the variation of the State Seal in the left vignette. Image courtesy of The Wolfpack Hoard.

### Notes:

1. The spelling "Newbern" for the town name dates from its formation: a post office was established on October 14, 1755. The spelling change to "New Berne" occurred during the Union occupation and appears on postal cancellations beginning circa 1863. This spelling continued until March 1892 when it was changed back to "Newbern." The last change and accepted spelling today, "New Bern," occurred on January 24, 1918.

2. The Nullification Crisis of 1832-1833 began with the tariff of 1828 of almost 49% on imported manufactured goods. Northern manufacturers favored it, but Southern interests did not. "Nullification" was the idea that states could "nullify" federal laws that were unfavorable. Gaston and President Jackson were in agreement that nullification was against the constitution.

3. *Fort Gaston* in Northern California and *Camp Gaston*, a former US Army camp in the Imperial Valley of California were both named for 2<sup>nd</sup> Lt. William Gaston, killed in 1858 during the Indian Wars. There is the

*Ernest C. Gaston Electric Generating Plant* in Alabama, and the *Gaston Shoals Hydro Station* in Cherokee County, SC. There have been four storms named *Gaston*: Hurricanes in 2004 and 2016, and tropical storms in 2010 and 2022. Undoubtedly, more *Gaston* named what-nots can be found.

### **References:**

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# **Chemistry of Coin Corrosion and Cleaning**

By Mark Welker

In a previous edition of this journal, we covered the fact that coins are made of chemicals or elements. Most coins today are made of mixtures of elements called alloys and the most commonly used coin elements are gold (chemical symbol Au), silver (Ag), copper (Cu), zinc (Zn) and nickel (Ni). Hardness of these elements and their alloys impacts their durability in circulation and then the intrinsic value of those elements impacts whether or not we will be willing to use them for their intended purpose or we just sell them to be melted for some other purpose based on the value of the element relative to the face value of that coin.

In this article, let's think about chemistry related to coin storage, corrosion, and cleaning. All metals or elements react with oxygen (O<sub>2</sub>) (or sulfur compounds) in the air to form compounds called metal oxides or metal sulfides on their surface. As coin collectors, we are probably most familiar with this process for silver coins since they tone or tarnish over time due to the buildup of silver oxide (Ag<sub>2</sub>O) and sulfide (Ag<sub>2</sub>S). The tarnish that is most notable to us as collectors is due to the formation of the black silver sulfide (Ag<sub>2</sub>S). This reaction of silver with sulfur is due to the presence of hydrogen sulfide (H<sub>2</sub>S) which along with nitrogen and oxygen is also present in our air.

 $2Ag + \frac{1}{2}O_2 - ... > Ag_2O$  $2Ag + H_2S - ... > Ag_2S + H_2$ 

The reaction above can be reversed by heating for silver oxide but the chemical processes that you typically see published<sup>1</sup> for cleaning silver rely on using a different metal (aluminum foil) that is easier to oxidize than silver to reduce the silver oxide or sulfide back to silver metal and do something called ion exchange to make aluminum oxide or sulfide (and oxidize the aluminum). In a nutshell, the oxygen or sulfur gets transferred from silver to aluminum and you get your shiny silver coin surface back rather than one covered by silver oxide or sulfide.

#### $3Ag_2O \text{ or } 3Ag_2S + 2Al \quad \dots > 6Ag + Al_2O_3 \text{ or } Al_2S_3$

The silver that gets redeposited on the coin doesn't necessarily go back to where it came from though so this cleaning does also change the structure of the coin surface. For that reason, chemical cleaning is generally frowned upon by collectors. I'll leave it to others more knowledgeable than I to write about the pros and cons of cleaning coins relative to their numismatic value and the types of cleaning that are generally considered acceptable and unacceptable. My purpose here is just to show you what is happening chemically when coins corrode and when they are cleaned.

In addition to chemical reactions that can happen between coins and elements in the air, we also have to worry about chemical reactions that can occur between



Tarnished Silver Eagle – before and after "cleaning".

coins and the materials they are stored in. Below I show you a picture of one of my proof sets that I stored in a place that did not have good humidity control. I'm sure many of you have also seen examples of this. The penny has corroded (copper clad on a zinc core) whereas the other clad coins (typically copper-nickel clads) have not. Chemically, what has happened here?

Many plastics contain a polymer called polyvinylchloride (PVC). You may have some lawn furniture made of PVC tubing sitting in your yard. The process to make PVC uses something called vinyl chloride and typically produces small amounts of hydrogen chloride (HCl) and then the PVC over time, particularly in a humid environment, can undergo a chemical reaction that releases additional HCl. Fortunately for collectors, the corrosion dangers of PVC containing coin holders have been known for quite some time and copper coins are particularly susceptible to this damage.<sup>2</sup>

The 1987 proof set pictured has HCl damage to the penny. The copper on the surface of all pennies gets oxidized to copper oxide (CuO) by oxygen in the air as we discussed above. This copper oxide then reacts with HCl that comes from the PVC in the coin holder to produce a green copper chloride salt (CuCl<sub>2</sub>) and water (H<sub>2</sub>O).

 $CuO + 2HCl ----> CuCl_2 + H_2O$ 



This is the same kind of chemical reaction that is happening to copper roofs that makes them turn green over time. There are recipes available for cleaning these coins such as soaking in vinegar (a solution of acetic acid ( $CH_3CO_2H$ ) in water).<sup>3</sup> Copper chloride ( $CuCl_2$ ) is converted into a more water soluble copper acetate salt [ $Cu(CH_3CO_2)_2$ ] and removed by this treatment but again copper is being removed from the surface of the coin when this happens.

#### $CuCl_2 + 2 CH_3CO_2H ----> Cu(CH_3CO_2)_2 + 2 HCl$

Lastly, while we are on the topic of coin chemistry let's cover the chemistry of date restoration on coins. This technique is most commonly performed on buffalo nickels and these nickels are actually mostly composed of copper (75% Cu) and 25% nickel (Ni). The chemistry of date restoration whether you use vinegar<sup>4</sup> or Nic-a Date<sup>5</sup> (a ferric chloride solution (FeCl<sub>3</sub>) in water that contains HCl) is essentially the same as described above. Metal oxides on the coin surfaces (mostly copper oxide on a buffalo nickel) are being converted into a more water soluble copper salt like copper acetate or copper chloride so copper is being removed from the surface as a water soluble salt.

But if you think about what happens to the copper or nickel atoms in the coin blank when it is being struck<sup>6</sup> some of the atoms are being pushed closer together by that bending and some are being moved farther apart. In the first diagram below, the atoms in the base of the bend would be moving closer together from the bending shown and in the second diagram that bending motion would move them farther apart. Both of these types of bends will be occurring on the metal surface when a coin is stamped.



The effect of this bending is that you will have different metal atom densities or populations in the metal around the date stamp since bending of this type will have occurred there. Assuming all surface atoms or molecules react with acid at the same rate, low metal atom density areas will appear differently (be decreasing/dissolving faster) than high metal atom density areas once you start dissolving (removing) them. Imagine what it would look like if I removed 5 dots (atoms) randomly from the images on the far right below (low atom/dot density/area) versus removing 5 dots (atoms) from the images on the far left (high atom/dot density/area). The same kind of thing is happening to the coin surface in areas with a lot versus few metal atoms due to the bending that occurs when the coin is stamped.



Send me an email if you have coin chemistry questions and I'll try to answer them: Mark Welker (welker@wfu.edu).

#### **References:**

- 1) <u>https://www.moneymetals.com/guides/how-to-clean-silvercoins?utm\_medium=cpc&utm\_source=google&utm\_campaign=MMEeComm-Performance%20Max%20-NoFeed&keycode=ADWORDS-PERFMAX-ECOMM\_NOFEEDGENERAL&gc\_id=19222490862&gclid=EAaIQo bChMI0pjXmMiV\_gIVM41bCh3qawwVEAAYASAAEgITp\_D\_BwE</u>
- https://coinweek.com/education/coin-grading/pvc-damage-world-coinsavoid/
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- 5) https://www.coincommunity.com/forum/topic.asp?TOPIC\_ID=272838
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# News from the Clubs

Go to the NCNA website <u>NCNA.club</u> for the most recent updates on local club contacts, information, and news.

# **Attention NCNA Member Coin Clubs!**

# The NCNA Journal needs your club news and updates on your club's activities!

Club leaders: Please have your representative send updates to the Journal regarding your club's activities as well as obituaries of members who recently passed away.

Updates should be sent to Greg Cheek at <u>ghcheek@earthlink.net</u> or Greg Cheek – NCNA, PO Box 185, Yadkinville, NC 27055.

Thanks in advance for your help with keeping other NCNA members updated and aware of your club's organization changes, events and projects.

# Report on the Raleigh Coin Club's Raleigh Money Expo June 2023

From Jeff McCauslin

The largest coin, currency, and stamp show in the state, held June 16-18, 2023, was another huge success. Over 1700 people came through the doors at the Expo Center on the NC State Fairgrounds site to buy numismatic and philatelic items from 113 dealers located at almost 200 tables. It appears the dealers had a successful show as about 60% have already committed to do the 2024 show which will be on June 21-23, 2024.

There were numerous exhibits at the 2023 Show. The quality of these exhibits is evidenced by one submitted by Tim G., a Raleigh member. Not only did he receive first place in the voting at the Raleigh show, but Tim took his exhibit to the ANA show where he won first place in his category.

Presentations by several Club and NCNA members were well received. Also participating was the Reed Gold Mine. For the first time in memory, the raffle with a top prize of a \$20 St. Gaudens, was a sellout. Better get your tickets early for next year. A record number of youth went through the extensive Young Numismatist area led by Brian S. Of course, this show could not have gone on without the leadership of the Bourse Chair, Paul Landsberg and the many club members who supported the show. The Raleigh Coin Club thanks all of them for their efforts.

See you next year which will be the Raleigh Club's 50<sup>th</sup> show, so expect an even larger show and a few surprises!

# Report on the Low Country Coin Club Coin Show July 2023

From Lowell Knouff

Despite sometimes torrential rains, the Low Country Coin Club's Summer Show floated successfully through the weekend. It was held on July 28-30 at the Exchange Park Fairgrounds in Charleston, SC. The biggest problem was having to dodge the rain as dealers unloaded their vehicles. As always they left Sunday evening pleased with a good show.

Saturday was a great day for the club. Not quite record attendance overall, but youth attendance was a record. Robert Catron coordinated a **scavenger hunt for the Young Numismatists** along with 9 other dealers. This was a first for the Low Country Coin Club and everyone was excited. 36 youths participated and as soon as it was over most of the youths were ready for more. In addition to the scavenger hunt, a **Boy Scout Coin Collecting Merit Badge session** was held. Lead by Chris Staubes, a long-time club member, Saturday afternoon. 27 Boy Scouts got their certificates.

Besides all the wheeling and dealing among the dealers and visitors, the Low Country **Red Cross held a blood drive** Friday afternoon at the Coin Show. A prize drawing for a 1928 "Horse Blanket" was held just for the blood donors Friday evening. Lowell Knouff took that bill home.

Winners of the semi-annual club raffle were Sean (last name unknown) who won the \$5 gold, Brenda McDowell who won the 3 Morgan dollars and Billy Baker who won the 2023 American Silver Eagle. Three certified MS70 2023 American Eagles were given as daily door prizes and 12 door prizes were won by others attending during the 2 ½ day show.

This was also the final show for the Bourse Chairman, Richard Smith. Richard officially retired at the August 2, 2023 club meeting after organizing more than 20 shows. Richard's replacement has not been officially appointed yet. Contact the Club President, Randy Clark through the club website if you want show information.

The next Low Country Coin Club Show will be February 2-4, 2024. Visit <u>www.lowcountrycoinclub.com</u> and the club Facebook page for more information.

# Report on the 28<sup>th</sup> Anniversary Iredell-Statesville Coin Club Show August 2023

From Bill Brewer

The Iredell-Statesville Coin Club 28<sup>th</sup> Anniversary Coin Show was held on August 12th & 13th 2023. The Club had 86 tables with 57 Dealers participating. We began the show for the dealers on Friday night with set up and a Bar-B-Que and fried chicken supper, with fruit and vegetable trays provided by our hostess, Diane Campbell. Fantastic food! All of the dealers seemed to enjoy socializing during set up.

The show started briskly at 10:00 am on Saturday morning with close to 100 collectors waiting to open the doors and was steadily packed for most of the rest of the day. All tables were full with dealers, no empty ones left. Sunday also carried a stronger attendance than normal for most shows of this level.

On Saturday, we also had a Young Collector Program, facilitated by Bob Pedolsky from the Charlotte Club & NCNA. Had a good number of young collectors in attendance with their parents. They received a lot of education as well as a good amount of free coins that he provided. The YN program was held at 11:00 am and 2:00 pm, and was very well received.

All the dealers that I spoke with seemed to have a good show and wanted to come back. By the end of the show all 86 tables were reserved for the 2024 show - a sold out show already! I had to add 8 more tables to accommodate 2024 and they are also sold. As a Chairman I have never seen a sellout show a year in advance. So I was very well pleased with a turnout close to 1000 attendees total for the two day show.

Be sure to mark August 10<sup>th</sup> or 11<sup>th</sup>, 2024 on your calendar to attend the Iredell-Statesville Coin Club 29<sup>th</sup> Anniversary Coin Show at the Statesville Civic Center to see for yourself.

# NCNA Membership Benefits

The NCNA was established to bring together those interested in numismatics and to foster a sharing of numismatic knowledge through its publications, its annual Convention and its support of local coin clubs. NCNA membership is open to collectors, dealers and clubs.

#### Why Join the NCNA?

- **Fellowship:** Become part of a numismatic community that stretches from the Great Smoky Mountains to the Outer Banks!
- *NCNA Journal*: Receive an award-winning quarterly magazine with informative articles, NCNA organizational updates and the latest news from member clubs.
- **Discounts on Books & Supplies**: Receive a 10% discount on numismatic books and supplies from participating dealers.
- Annual Convention: The NCNA hosts one of the larger coin and currency shows in North Carolina each year, featuring local and regional dealers.
  - NCNA members can enter the Convention bourse
    30 minutes before the general public. (Valid NCNA membership card must be shown.)
- Local Clubs: The NCNA can assist with the organization of a new club or the ongoing support of an existing club. Contact us if you need assistance!
- Club Liaison Program: A program that brings together club representatives from across the state to exchange ideas and collaborate on improving the club experience for all members.
- Annual Awards: Each year the NCNA presents awards to those who have contributed to the advancement of the hobby through their support of the organization and/or the sharing of their expertise with other collectors.

# Young Collector Program

The NCNA offers an educational program specifically designed for young collectors. The program was created to help develop the next generation of collectors by encouraging today's youth to become active in coin and paper money collecting.





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## **Bill Graves**

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# 2023 NCNA Board of Directors Meeting Schedule

All NCNA BOD meetings are open to the NCNA membership. BOD meetings are scheduled on Saturday, immediately following the close of the coin show bourse and times are TBD. *Please note that the BOD meeting scheduled for September 30 is actually the Annual NCNA General Membership Meeting at Cabarrus Arena at 8:30 AM.* All members of the NCNA are encouraged to attend.

Meeting Location	Date
Charlotte Coin Club Show - Charlotte	Feb. 10, 2023
Azalea Festival Coin Show - Wilmington	April 15, 2023
Raleigh Money Expo - Raleigh Coin Show - Raleigh	June 17, 2023
Iredell-Statesville Coin Club Show - Statesville	Aug. 12, 2023
NCNA Convention - General Membership - Concord	Sept. 30, 2023
Carolina Coin & Stamp Show – Raleigh	Nov. 18, 2023

## NCNA Local Club Outreach & Coordination

NCNA BOD Directors Bill Graves and Danny Freeman have reached out to local clubs for updated contact and other information, which has been posted on the NCNA website. They are continuing to reach out to local coin clubs and facilitate forums for sharing ideas and forming partnerships. Please feel free to contact Bill or Danny, as they are very interested in your ideas and suggestions.

### NCNA Website (http://www.NCNA.CLUB)

The NCNA website is an important tool for sharing information with the membership. Alan Stullenbarger currently serves as our webmaster, with Perry Siegel providing administration for the website. Local club representatives should send all local club contact updates and news to Perry Siegel. Please send all coin and stamp show updates to Bill Graves.

## <u>NCNA Facebook Page & Other Social Media</u> (www.facebook.com/NCCollector)

The NCNA Facebook page is another important tool for sharing information with the membership and beyond. Paul Landsberg has taken on Facebook administrative activities for our page, exploring fresh ideas in utilizing other social media to promote our hobby. Please feel free to share your ideas and suggestions with Paul in the social media arena. This is still a fairly under explored area and much more can be done to use it to promote the hobby.

## North Carolina Numismatic Association Officers and Directors (as of 01/10/2023)

**President:** Greg Cheek • 336.428.2026 • ghcheek@earthlink.net 1<sup>st</sup> Vice President: Perry Siegel • 704.488.4787 • herakles@heraklescoins.com

- 2<sup>nd</sup> Vice President: Danny Freeman 910.740.6751 southerngoldcoins@yahoo.com
- Secretary: Bill Graves eaglecoinclub1@aol.com Treasurer: Halbert Carmichael • hhcarmichael@mindspring.com

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# **Appointed Positions**

Webmaster: Alan Stullenbarger • alanstullenbarger@gmail.com Journal Editor: Greg Cheek • 336-428-2026 • ghcheek@earthlink.net Bourse Chair: Perry Siegel • 704.488.4787 • herakles@heraklescoins.com YN Coordinator: Bob Pedolsky • 704.408.8511 • rpedolsky@carolina.rr.com Website Administrator: Perry Siegel • 704.488.4787 • herakles@heraklescoins.com Facebook Administration: Paul Landsberg • paul\_landsberg@yahoo.com Exhibit Chair: Paul Horner • 336.998.2510 • halfplatinum@gmail.com





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