AMERICAN NUMISMATIC ASSOCIATION
FLORENCE SCHOOK SCHOOL OF NUMISMATICS

SUMMER SEMINAR
2020

EDUCATION.
CONNECTION.
COLLECTION.

SESSION 1:
JUNE 27 - JULY 2

INTERSESSION:
JULY 2 - JULY 3

SESSION 2:
JULY 4 - JULY 9
For more than 50 years, Summer Seminar, a two-week annual conference in Colorado Springs, Colorado, has offered in-depth classes to suit virtually every collector’s needs. With such a wide range of material, students can become numismatic photographers or publishers, or sharp detectors of counterfeit coins and paper money. Among its vast offerings, this event will teach attendees how to evaluate money, study ancient or war coinage, and carve coins. With Summer Seminar, students are able to tailor their numismatic education for a personal fit.

The classes consist of small, intimate groups where input is encouraged and engaging discussion is prevalent. Participants will learn from instructors who are recognized leaders in their fields and from the collective experiences of fellow students, who span in age from teenagers (see below) to seniors.

Students can select from a variety of tuition and lodging options to meet their needs, preferences and budget. Most reside in Colorado College dormitories while others elect to stay in nearby hotels and inns. More details can be found on p. 22 and on the registration form (pp. 23-24).

Optional tours, seminars, lectures and special events allow students to customize their experience. Participants will have many opportunities to visit the ANA’s Edward C. Rochette Money Museum and Dwight N. Manley Numismatic Library. Colorado has wonderful entertainment, especially for those traveling with family members or guests. Check out “Tours and Events” (p. 11) and “Intersession Activities” (pp. 12-13) for the many non-numismatic choices available. Those not wishing to join an organized activity also may opt to visit any of the various attractions, restaurants and entertainment venues in Colorado Springs and the Pikes Peak region—one of America’s most popular family tourist destinations.

Rarely do students or instructors attend just one Summer Seminar. More than 70 percent come back time and time again for the unparalleled education, priceless friendships and sense of community. There is a reason why attendees are enthusiastic about Summer Seminar.

Try it for yourself.
1. & 2. Grading U.S. Coins, Part 1
Explore the history and philosophy of grading, and learn how to grade copper, silver and gold U.S. coins according to the latest ANA and market standards. Instruction will consist of slide presentations, hands-on opportunities to view and grade many notable specimens in individual and group settings, and in-depth discussions about the intricacies of grading.

1. INSTRUCTORS: Jim Stoutjesdyk, vice president of numismatics, Heritage Auctions; and David Bozsik, Professional Coin Grading Service grader and authenticator

2. INSTRUCTORS: Rod Gillis, ANA education director; Brian E. Fanton, owner and operator, BE’s Coin Store; and Mike Ellis, variety specialist, ANA governor and owner, Mike Ellis Rare Coins

3. Grading U.S. Coins, Part 2
This mid-level course is intended to sharpen grading skills through hands-on group and individual exercises, with instructor feedback on each coin. Students will gain a better understanding of current grading-service philosophies and how they evolved in the marketplace. Copper, silver and gold specimens are covered, with emphasis on About Uncirculated through Uncirculated examples.

PREREQUISITE: Successful completion of “Grading U.S. Coins, Part 1” or permission from the instructors.

INSTRUCTORS: David J. McCarthy, senior numismatist, Kagin’s; Steven Feltner, professional numismatist, Director of Numismatic Education and Outreach, Professional Coin Grading Service; and Devin Hipp, professional numismatist and owner, Devin Hipp Enterprises, LLC

4. Advanced U.S. Coin Grading & Problem Coins
Discover the nuances of high-grade, mint-state and proof coins. Learn how to distinguish original surfaces from mint-state and circulated coins that have been cleaned or altered, and how to identify minute imperfections and color variances that can affect a coin’s grade. Become familiar with the methods used by experts, as well as their own strengths and weaknesses.

PREREQUISITE: Successful completion of “Grading U.S. Coins, Parts 1 and 2” or permission from the instructors.

INSTRUCTORS: Don Ketterling, professional numismatist, D.H. Ketterling Consulting; Jeff Garrett, owner, Mid-American Rare Coin Galleries; and Maxwell Gregory, Gregory Numismatics, Inc.

5. Detection of Counterfeit & Altered Coins
Learn the often-subtle differences between genuine, counterfeit and altered coins while applying your newly acquired skills using the ANA’s counterfeit detection set of more than 400 U.S., world, ancient and colonial specimens. Students will handle “raw” genuine and spurious coins under instructor supervision. Topics will include counterfeit-coin production, types of counterfeit dies and castings, date and mintmark alterations, specific gravity testing, and the use of microscopes.

INSTRUCTORS: Brian Silliman, professional numismatist, Brian Silliman Rare Coins, and former NGC grader/conserver and ANA authenticator/conserver; and Jim Robinson, professional numismatist, APMEX

6. Detection of Counterfeit World Paper Money
By the end of this course, students will know how to separate good paper money from bad, including notes intended to circulate and those made specifically to defraud collectors. The history of counterfeiting, printing techniques, security devices and their fraudulent replication, raised and altered notes, and entrepreneurial counterfeiting since the 19th century will be discussed. Examples of vintage and recent counterfeits will be compared to genuine notes using magnification, ultraviolet and infrared illumination, and the trained eye to identify the spurious pieces.

INSTRUCTOR: Joseph E. Boling, ANA Special Exhibit Advisor and co-author, World War II Remembered: History in Your Hands, a Numismatic Study

"ADVANCED U.S. COIN GRADING & PROBLEM COINS" IS THE PERFECT CHALLENGE FOR STUDENTS WHO HAVE COMPLETED "GRADING U.S. COINS, PARTS 1 AND 2."
7. INTRODUCTION TO EARLY U.S. PAPER CURRENCY: 1765 TO 1865
This class is designed for beginning to intermediate students and will divide U.S. paper money into three periods: the end of the colonial period and the Revolution; the obsolete period; and the Civil War, with the introduction of federal issues up to 1865. Examples from the ANA’s holdings (including parts of the Bebee collection) will be shown to illustrate the fascinating and important role of paper currency in the early economic development of the United States as well as how such notes can provide a window into the history of the period.

INSTRUCTORS: Richard L. Horst, paper-currency specialist; and Douglas Mudd, museum director and curator, Edward C. Rochette Money Museum

8. COLLECTING & INVESTING IN MORGAN DOLLARS: A COMPREHENSIVE APPROACH
This course will provide a thorough and professional overview of collecting and investing in Morgan silver dollars. Students will learn the subtle nuances of dates and mintmarks, varieties, die states, prooflike and deep-mirror prooflike coins. Whether you are a beginner, dealer or seasoned Morgan collector, the knowledge gained from this class will serve you well as you collect and invest in the most popular series in numismatics.

INSTRUCTORS: John Baumgart, owner, Variety Slabbing Service, Past President of the Society of Silver Dollar Collectors; and Michael S. Fey, Ph.D., president of Rare Coin Investments

9. THE MODERN MINTING PROCESS: ERRORS & VARIETIES
Explore the minting process and learn how each procedure can lead to the creation of collectable errors and varieties. Topics include identification and description; value; and the art of cherrypicking. Students are encouraged to bring their own errors and varieties. This class will be taking a field trip to the Moonlight Mint and fulfills the “Modern Minting Process/U.S. Minting Errors and Varieties” course requirement for the ANA Numismatic Diploma Program.

INSTRUCTOR: James Wiles, author, The Modern Minting Process/U.S. Minting Errors & Varieties: An ANA Correspondence Course

10. COLLECTING U.S. TYPE COINS
This course will provide an overview of how to collect U.S. coins by regularly issued types, from half cents through double eagles (gold $20). Explore the rarity of each design and denomination in relation to grade, as well as the technical aspects of strike and planchet quality and the aesthetics of toning. Students are encouraged to bring their own coins for evaluation.

INSTRUCTORS: David W. Lange, director of research, Numismatic Guaranty Corporation; and Frank Van Valen, professional numismatist and cataloger

11. LEGACY & COINAGE OF FATHER-SON MINT ENGRAVERS WILLIAM & CHARLES BARBER
With all the recent discoveries and publicity regarding engravers Williams (1869-79) and Charles Barber (1880-1917), interest in their coinage has never been greater. This comprehensive class presents the collective knowledge of experts who have studied, collected, bought and sold these coins for decades. All six circulating-coin series from the late 19th into the early 20th century will be studied, including Trade dollars, 20-cent pieces and Liberty nickels, along with Barber dimes, quarters and halves. The mint medals designed by these prolific engravers also will be explored, as will their designs for U.S. commemoratives and non-U.S. coins that were made under contract with the U.S. Mint. Explore the collecting and growth opportunities of coinage of the Barbers, and share your experiences with the class.

INSTRUCTORS: John Frost, co-author of Double Dimes: The United States Twenty-Cent Piece, and education director of the Liberty Seated Collectors Club; and Glenn Holsonbake, professional numismatist, Americana Rare Coin, Inc.

12. THE AMAZING WORLD OF EARLY COPPERS
Designed for beginning and accomplished hobbyists, this course details how to assemble U.S. copper half cents, large cents, Hard Times tokens and Civil War patriotic and store card tokens. Early British Conder tokens as well as some ancient copper coins also will be discussed. Active student involvement is encouraged during this free-flowing class.

INSTRUCTORS: Col. Steven K. Ellsworth (ret.), one of the foremost coin security experts in the country, is a full-time coin dealer at Butternut Coins and current ANA president; and Jerry Bobbe, former grader at Professional Coin Grading Service

13. A SURVEY OF ARCHAIC & CLASSICAL GREEK COINAGE
This class will cover the beginnings of ancient Greek coinage from the mid-7th century to the late 4th century B.C., ending at the beginning of Alexander the Great’s domination of the ancient world and the subsequent Hellenistic kingdoms. Weight standards, denominations, mints, legends, types, hoards and circulation patterns will be discussed. Participants will get advice regarding collecting themes, grading and authentication, and the international marketplace for ancient coinage and how to participate. Students are encouraged to bring coins from their own collections.

INSTRUCTORS: Mike Gasvoda and Kerry Wetterstrom, both from Classical Numismatic Group (Lancaster, Pennsylvania, and London, England)
14. INTRODUCTION TO NUMISMATIC DIGITAL PHOTOGRAPHY
Students will learn how to take professional photographs of the items in their collections. The instructors will describe camera and computer requirements, provide hands-on guidance in basic and intermediate photography techniques, and review editing softwares. Although not required, students are encouraged to bring their own macro-capable digital cameras and high-speed laptop computers.

INSTRUCTORS: Thomas Mulvaney, professional numismatic photographer; Clark Fogg, forensic photographer, Beverly Hills Police Department; and David Heinrich, coin photographer and editor of several local and regional numismatic publications.

15. CREATING A WINNING NUMISMATIC EXHIBIT
One of the most rewarding aspects of coin collecting is sharing knowledge with others through a numismatic exhibit. Students will go through the entire process of creating their own display, from brainstorming ideas, writing text and selecting appropriate materials to designing a balanced layout and pulling it all together. Also included will be tips for packing an exhibit for transportation, and exhibit rules and judging. Participants are encouraged to improve an already existing display or create a new one before attending this course. A laptop computer and ideas for new exhibits also are recommended.

INSTRUCTOR: Lawrence Sekulich, working artist, retired art instructor, numismatic author, speaker and award-winning exhibitor.

16. NUMISMATIC WRITING & PUBLISHING
This practical and fun course will help collectors—beginning to advanced—write for today’s numismatic publications. From traditional print periodicals to new online media, there have never been more opportunities for writers to reach and connect with an audience. Additionally, new online resources, from the archived volumes of The Numismatist to the Newman Numismatic Portal, are a boon for researchers. With the help of special guest instructors, students will get an overview of the various venues available for publishing today, the elements of quality (readable) writing, and gain an understanding of different types of writing, from auction-lot descriptions to academic papers. During the class, participants will create an outline and work to produce an article suitable for publication. Included will be a gentle peer-review to help build individual writing skills. By the end of the course, students will lay the groundwork for a paper or book proposal that they can be proud of and gain confidence in their craft.

INSTRUCTORS: Steve Roach, former editor-in-chief and current editor-at-large of Coin World, where he has published more than 500 articles; and Dennis Tucker, publisher at Whitman Publishing, who has edited numerous titles, written hundreds of articles, and authored American Gold & Silver: U.S. Mint Collector & Investor Coins & Medals, Bicentennial to Date.

SESSION 1 COURSE CATALOG CONTINUED

MINI-SEMINARS
Mini-seminars are introductory, hands-on courses usually conducted over one or two evening sessions. They allow Summer Seminar participants to study more than one area of interest or learn something new. Each student can take one mini-seminar in conjunction with their day course. Pre-registration is required.

A. ADVANCED NUMISMATIC NEGOTIATING-$79
(Sunday-Monday, June 28-29, 6:30 P.M.-9:30 P.M.)
This class will teach students the art of negotiating numismatic transactions, including buying and selling coins, paper currency and other numismatic materials. The course is designed to assist both collectors and dealers in becoming comfortable with the process of negotiating, as well as developing relationships for future numismatic transactions.

INSTRUCTORS: A. Ronald Sirna Jr., former general counsel for the ANA, Central States Numismatic Society and Michigan State Numismatic Society, and Richard Stintner, former ANA governor and past president, coin dealer for more than 50 years.

B. NATIONAL BANKS NOTES: THE BIG PICTURE-$79
(Sunday-Monday, June 28-29, 6:30 P.M.-9:30 P.M.)
Learn what they are, why there are different series, what makes for rarity and desirability, sources of information, importance of grade, how to size up a piece, including many rare examples, and have lively discussions on the topic. Note: this mini-seminar focuses on older and obsolete series and does not cover common modern errors.

INSTRUCTORS: Peter Huntoon, author of United States Large Size National Bank Notes; and Jerome Walton, author of A History of Nebraska Banking & Paper Money

C. COLLECTING THE “ODDBALL” DENOMINATIONS-$59
(Sunday, June 28, 6:30 P.M.-9:30 P.M.)
Two-cent, silver 3-cent, nickel 3-cent and 20-cent pieces all represent a group of oddball denominations that are often overlooked by collectors. This mini-seminar provides a detailed overview of each of these series and includes a discussion of scarce and key dates, major varieties, collecting strategies, grading and value. Hands-on examinations and interactive discussions will take place.

INSTRUCTOR: John Frost, co-author of Double Dimes: The United States Twenty-Cent Piece, and education director, Liberty Seated Collectors Club

D. U.S. ERROR COINS-$59
(Monday, June 29, 6:30 P.M.-9:30 P.M.)
A fascinating area in U.S. coins is collecting mint errors. Participants will examine dozens of error pieces, including many rare examples, and have lively discussions on the topic. Note: this mini-seminar focuses on older and obsolete series and does not cover common modern errors.

INSTRUCTOR: John Frost, co-author of Double Dimes: The United States Twenty-Cent Piece and education director, Liberty Seated Collectors Club
ON CAMPUS

The ANA Summer Seminar is held annually on the Colorado College campus and utilizes its dormitories to house students. These are basic dorm rooms with shared bathrooms and no air-conditioning, though large fans are provided. The beds are standard twin size with clean linens on arrival, including sheets and towels. No cleaning service is available during your stay, though you can request fresh towels and linens. If you plan to stay on campus, you will need to bring your own toiletries (soap is provided). Should you forget something, two 7-Eleven stores are within walking distance of campus, and the college bookstore offers a limited selection of basic supplies and toiletries.

You can choose between a double room, a shared room (with one other student) and a single room, which is private. None have a bathroom in the room, but they do have small refrigerators and microwaves. An apartment-style option offers four single rooms with one shared bathroom, a small kitchen and common space. If stairs are difficult for you, please contact us or indicate on your registration form that you require accommodations on the ground floor.

Students say that staying on campus is great for meeting new friends. You also can request specific roommates, so you can surround yourself with familiar faces all week! Another benefit of staying on campus is that you are close to your experience, some prefer to stay at local hotels. While many attendees enjoy the campus experience, some prefer to stay at local hotels, the Lunar Lounge, where adult students gather after the long days.

While many attendees enjoy the campus experience, some prefer to stay at local hotels. Several accommodations are nearby, about a mile from Colorado College (see p. 22). Some students walk to campus, while others choose to rent cars for the week. If you stay in a hotel, a free shuttle to and from Summer Seminar will be available on registration day only. When you arrive, check in for the Seminar on campus at Worner/Gaylord Hall, after which you will be transported to your hotel.

Wherever you decide to stay, we know you will have a great week making new memories and connections.

LIVING

ANNUAL LIBRARY BOOK SALES
SATURDAY • 7-9 P.M. JUNE 27 & JULY 4
Surplus books, periodicals and auction catalogs are available for sale and discounted prices. Books are available on a variety of numismatic subjects, including world and U.S. coins, paper money, tokens, medals, ephemera and more. The proceeds benefit the Dwight N. Manley Numismatic Library.

YN SCHOLARSHIP BENEFIT AUCTIONS
TUESDAY • 7-10 P.M. JUNE 30 & JULY 7
Show your support by participating in one of the annual YN auctions. Socialize with fellow numismatists, bid on interesting items, and contribute to education—all at the same time! Young numismatists, who organize the entire event, rely on the generosity of members to donate items. All proceeds directly benefit the YN Summer Seminar scholarship fund.

BREWERY TOUR OF COLORADO SPRINGS $70
MONDAY, JUNE 29 • 4-30 P.M.-10 P.M.
Enjoy an evening out treating yourself to the best craft beer in town! Join Rocky Mountain Ride as they charter you to three local breweries. You will see firsthand how each brewery creates their signature beers and tour their behind-the-scenes facilities guided by a knowledgeable professional. The price includes a half-pint beer at each location and free swag along the way. Boxed dinners will be provided. The bus will leave at 4:30 p.m. and return to Colorado College at approximately 10:00 p.m.

*Note: You must be 21 or older and have a valid ID to go on this tour.

MAJOR LEAGUE BASEBALL: ROCKIES VS. GIANTS $85
MONDAY, JULY 6 • 4:15 P.M.-11 P.M.
Summer is not summer without baseball! Watch the Colorado Rockies play the San Francisco Giants at beautiful Coors Field in Denver. The fee includes charter bus transportation, game tickets, boxed dinner, and $10 concession credit. The bus will depart at 4:15 p.m. for the game starting at 6:40 p.m. and bring participants back to Colorado College at approximately 11:00 p.m.

TOURS & EVENTS

ROCKIES VS. GIANTS
MONDAY, JUNE 29 • 4-30 P.M.-10 P.M.
Enjoy an evening out treating yourself to the best craft beer in town! Join Rocky Mountain Ride as they charter you to three local breweries. You will see firsthand how each brewery creates their signature beers and tour their behind-the-scenes facilities guided by a knowledgeable professional. The price includes a half-pint beer at each location and free swag along the way. Boxed dinners will be provided. The bus will leave at 4:30 p.m. and return to Colorado College at approximately 10:00 p.m.

*Note: You must be 21 or older and have a valid ID to go on this tour.

GRADUATION BANQUETS
WEDNESDAY • 6-8 P.M. JULY 18 & JULY 8
The dinner celebrates the week’s achievements with instructors, staff, family and graduates. The evening is a nice blend of informal gathering, dinner and recognition. Each instructor and student receives one banquet ticket. When you register, please let us know if you plan to attend. Banquet tickets for guests can be purchased in advance for $50 (see p. 23).

YN SCHOLARSHIP BENEFIT AUCTIONS
TUESDAY • 7-10 P.M. JUNE 30 & JULY 7
Show your support by participating in one of the annual YN auctions. Socialize with fellow numismatists, bid on interesting items, and contribute to education—all at the same time! Young numismatists, who organize the entire event, rely on the generosity of members to donate items. All proceeds directly benefit the YN Summer Seminar scholarship fund.

BANQUETS
WEDNESDAY • 5-6 P.M. JULY 1 & JULY 8
Free to all Summer Seminar participants, this gathering includes hors d’oeuvres, wine, non-alcoholic beverages and fellowship.

RECEPTIONS
WEDNESDAY • 6-8 P.M. JULY 18 & JULY 8
The dinner celebrates the week’s achievements with instructors, staff, family and graduates. The evening is a nice blend of informal gathering, dinner and recognition. Each instructor and student receives one banquet ticket. When you register, please let us know if you plan to attend. Banquet tickets for guests can be purchased in advance for $50 (see p. 23).

BOOK SALES
SATURDAY • 7-9 P.M. JUNE 27 & JULY 4
Surplus books, periodicals and auction catalogs are available for sale and discounted prices. Books are available on a variety of numismatic subjects, including world and U.S. coins, paper money, tokens, medals, ephemera and more. The proceeds benefit the Dwight N. Manley Numismatic Library.
**INTERSESSION ACTIVITIES**

**DENVER MINT TOUR**  $25  
**THURSDAY, JULY 2 • 12:45 P.M. - 6:00 P.M.**  
Learn the history of the mint and the coin-making process, and enjoy the exhibits and artifacts on display. Visitors will get a bird’s-eye view of the production floor, including several presses that strike more than 750 coins a minute. Tour guides will share interesting facts about the mint and are available to answer questions. Boxed lunches will be provided. The bus departs at 12:45 p.m. and returns to Colorado College at approximately 6 p.m.

**DENVER MUSEUM OF NATURE & SCIENCE**  $40  
**FRIDAY, JULY 3 • 12:45 P.M. - 6:00 P.M.**  
Noted as one of the great entertaining and educational institutions of the country, the Denver Museum of Nature & Science offers many exhibits, including brightly colored Mexican folk art, gem carvings by a famed Ukrainian sculptor and a virtual-reality arcade. View the newest frontiers in science on a 3-story high screen in the Phipps IMAX Theater or take a journey through the cosmos at Gates Planetarium. There is something for everyone at the museum. Boxed lunches will be provided. The bus departs at 12:45 p.m. and returns to Colorado College at approximately 6 p.m.

**COLORADO SPRINGS COIN, CURRENCY AND COLLECTIBLES SHOW**  FREE  
**THURSDAY, JULY 2 • 9 A.M. - 6 P.M.**  
**FRIDAY, JULY 3 • 9 A.M. - 6 P.M.**  
**SATURDAY, JULY 4 • 9 A.M. - 4 P.M.**  
The Colorado Springs Coin Club and the Colorado Springs Numismatic Society are sponsoring this event, held at the Colorado Springs Event Center, 3960 Palmer Park Blvd. Complimentary shuttle rides between the show and Colorado College will be available each day of the show.  

**QUESTIONS? PHONE 719-641-2700 OR E-MAIL KEN@KENBYRDCOINSANDCURRENCY.COM**

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**INTERSESSION TALKS**

**THE WARRINGTON FAKER**  
**THURSDAY, JULY 2**  
An eBay seller in England has been fabricating overprints and rubber stamps on notes to increase their collector value for the past nine years. This discussion will identify the false markings he is placing on notes and teach how to distinguish his inkjet products from original overprinting or stamping.  

**PRESENTER:** Joseph E. Boling, ANA special exhibit advisor and co-author, *World War II Remembered: History in Your Hands, a Numismatic Study*

**COL. GREEN: AMERICA’S MOST EXTRAORDINARY COLLECTOR**  
**FRIDAY, JULY 3**  
Col. Edward Howland Green inherited a vast fortune and had a goal to spend as much on his collection in one day as his estate earned in interest. Hear more about this man and his story.  

**PRESENTER:** Peter Huntoon, author of *United States Large Size National Bank Notes*

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**A NOTE ABOUT THE INTERSESSION DINNERS & EVENING PROGRAMS**

For those attendees staying at the college both weeks (12 nights) or those registered to stay additional nights (July 2 and/or July 3), all meals are included in the on-campus fees. Off-campus attendees can purchase Interession dinners for $25/person per dinner. Registration for these dinners can be found on pp. 23-24. The evening programs are free and open to everyone.

QUESTIONS? PHONE 719-482-9810 OR E-MAIL SEMINARS@MONEY.ORG
SESSION 2:
JULY 5 - JULY 8
Sunday-Wednesday
9 A.M.-4 P.M.

20. & 21. GRADING U.S. COINS, PART 1
Explore the history and philosophy of grading, and learn how to grade copper, silver and gold U.S. coins according to the latest ANA and market standards. Instruction will consist of slide presentations, hands-on opportunities to view and grade many notable specimens in individual and group settings, and in-depth discussions about the intricacies of grading.

INSTRUCTORS: Michael Faraone, grader, Professional Coin Grading Service; and Kyle Knapp, professional numismatist and grader, Professional Coin Grading Service

21. INSTRUCTORS: Rod Gillis, ANA education director; Brian E. Fanton, owner and operator, BE’s Coin Store; and Mike Ellis, variety specialist, ANA governor and owner, Mike Ellis Rare Coins

22. GRADING U.S. COINS, PART 2
This mid-level course is intended to sharpen grading skills through hands-on group and individual exercises, with instructor feedback on each coin. Students will gain a better understanding of current grading-service philosophies and how they evolved in the marketplace. Copper, silver and gold specimens are covered, with emphasis on About Uncirculated through Uncirculated examples.

INSTRUCTORS: Thomas Hallenbeck, ANA past president and owner, Hallenbeck Coin Gallery; and Jerry Bobbe, former grader, Professional Coin Grading Service

PREREQUISITE: Successful completion of “Grading U.S. Coins, Part 1” or permission from the instructors.

23. DETECTION OF COUNTERFEIT & ALTERED COINS
Learn the often-subtle differences between genuine, counterfeit and altered coins while applying your newly acquired skills using the ANA’s counterfeit detection set of more than 400 coins, which includes U.S., world, ancient and colonial specimens. Students will handle “raw” genuine and spurious coins under instructor supervision. Topics will include counterfeit coin production, types of counterfeit dies and castings, date and mintmark alterations, specific gravity testing, and the use of microscopes.

INSTRUCTORS: Brian Silliman, owner, Brian Silliman Rare Coins, former NGC grader/conservator and ANA authenticator/conservator; and H. Robert Campbell, ANA past president, owner, All About Coins, and recognized expert on toning

24. EARLY AMERICAN COPPER COINAGE
An extension of the Early American Coppers (EAC) class, this course delves into lesser-known aspects of EACs, including how they were distributed by the mint, where and how they circulated, how to determine if a copper has been cleaned or altered, and how restrikes were made. Also, learn how to grade and attribute higher-graded coins. Topics are student-driven—if you want to know something, just ask! Bring your loupe and any coppers you would like to share.

INSTRUCTORS: Jim Carr, EAC member, professional numismatist, Carr’s Coins; and Kevin Vinton, professional numismatist

25. CLASSIC COMMEMORATIVE COINS
Learn the historical background of all silver and gold representatives of this U.S. series. Students will gain grading expertise and how to better purchase commemorative coins to add to their collection.

INSTRUCTORS: Carl Stang, Numismatist contributor and commemorative-coin expert; and Jeff Nolen, owner, Nolen Numismatics

26. INTRODUCTION TO MEDALS & MEDAL COLLECTING
This course will introduce students to medals of religious wars and the medallic history of French King Louis XIV, Britain’s Queen Anne and French Emperor Napoleon I. Topics include the evolution of medal production and the role of engravers and sculptors, as well as reference material, preservation tips and the grading process to determine value.

INSTRUCTORS: David T. Alexander, founder of Medal Collectors of America, prolific author including the award-winning book, American Art Medals, 1909-1995, Circle of Friends of the Medallion & Society of Medalists; and David Menczell, president of the Medal Collectors of America, ANA district representative, exhibit judge and award-winning exhibitor

"EARLY AMERICAN COPPER COINAGE" is a POPULAR COURSE AT SUMMER SEMINAR.
27. THE BUSINESS OF BEING A COIN DEALER sharpen your business skills and learn new ways to increase profit potential. Topics of discussion include basic business accounting, economics, finance, marketing and management concepts, methods and tools. Additional emphases devoted to inventory control, ethics and security will be addressed. This is an academic course with some study required.

INSTRUCTOR: Col. Steven K. Ellsworth (ret.), one of the foremost coin security experts in the country, is a full-time coin dealer at Butternut Coins and current ANA president

28. SECRETS OF THE FLYING EAGLE & INDIAN HEAD CENTS Participants will examine all aspects of collecting two of the most popular series in U.S. numismatics, including history, grading, values, varieties and collecting strategies. The course also covers counterfeit and problem coins. Students are encouraged to bring their own examples to augment those shown by the instructor.

INSTRUCTOR: Richard Snow, professional coin dealer, and specialist in U.S. small cents

29. FUNDAMENTALS OF COIN COLLECTING This numismatic overview is geared for all hobbyists. Learn the basics of coin grading, counterfeit detection and the minting process.

INSTRUCTORS: Sam Gelberd, ANA numismatist educator and avid collector; Robert Mellor, ANA district representative, CONCENA state representative and ANA certified exhibit judge; and John H. Miller Jr., variety expert for more than 20 years

30. FROM THE ESTABLISHMENT OF THE FIRST MINT IN THE NEW WORLD TO THE BIRTH OF THE MEXICAN REPUBLIC Discover the origins and needs for the establishment of the first mint in the New World in Mexico (1536) and the birth of the Republic (1824). Participants will learn the general identification of cobs, attributions to kings and milestones in the popular series of pillar and bust coins. Students are encouraged to bring their Mexican specimens to this class.

INSTRUCTOR: Ricardo de León Tallavas, author and Mexican coinage expert

31. ADVANCED DIGITAL NUMISMATIC PHOTOGRAPHY FOR COLLECTORS This course is designed for intermediate through advanced photographers who want to manage their digital coin collection, sell coins online, conduct research, perform diagnostic inspection, or submit images for publication. Learn how to use multiple lighting configurations, get the most out of your equipment, or shoot images using ANA equipment for comparison tests. Discover proper image capture and file handling methods for premium efficiency. Students are encouraged to bring a DSLR camera or a macro lens, a laptop with Photoshop® or Photoshop Elements®, and several items from their collections to photograph.

INSTRUCTORS: Robert Kelley, ANA photography director/museum specialist; Douglas Mudd, museum director and curator, Edward C. Rochette Money Museum; and David Heinrich, coin photographer and editor of several numismatic publications

32. AN INTRODUCTION TO MODERN WORLD PAPER & COINS Participants will explore the heritage of some of the more than 200 numismatic issuers of the late 20th and 21st centuries. This hands-on exploration will include numismatic artifacts, online and offline resources, frameworks for collecting and organization.

INSTRUCTOR: Benjamin Swagerty, numismatic researcher

33. SMALL-SIZE DOLLARS: MacVeagh to Mnuchin This course will present a study of U.S. small-size $1 notes from the concept of size reduction to the printing processes in use today. Topics will include Legal Tender notes, Silver Certificates, current Federal Reserve notes, series designations, note varieties, engraving errors, “funny backs” and more.

INSTRUCTOR: Rick Ewing, dedicated collector

34. WORLD WAR II NUMISMATICS Allied military franc notes were secretly printed in the United States for the D-Day invasion of France. They then were shipped to England and paid to the troops mere hours before the assault. The number of military and emergency issues created as a result of World War II is vast and the study thereof fascinating. Additionally, the notes are remarkably diverse in purpose, use, design and production. This course will employ a case-study approach to teach students about the issues’ history and purpose. Many different specimens will be covered, most notably U.S. Military Payment Certificates, Allied military currency, Japanese invasion money and even some coins.

INSTRUCTORS: Joseph E. Boling and Fred Schwan, authors of World War II Remembered: History in Your Hands, a Numismatic Study

35. ADVANCED WORLD WAR II NUMISMATICS The class will introduce advanced aspects of subjects covered in the “World War II Numismatics” course. Japanese war bonds and similar issues of the United States and Canada also will be covered. The schedule is flexible to accommodate topics of special interest to the students individually or collectively. Participants will research a topic of their choice using course materials, the instructors and ANA holdings and present their results to students in the entry-level course.

INSTRUCTORS: Joseph E. Boling and Fred Schwan, authors of World War II Remembered: History in Your Hands, a Numismatic Study

PREREQUISITE: Successful completion of “World War II Numismatics” or permission from the instructors
36. INTAGLIO ENGRAVING
This course offers an introduction to and instruction in intaglio engraving and etching. Students will learn the rudiments of a bank-note engraver’s craft and methods, and cultivate an appreciation of the materials and techniques used. Through demonstrations and hands-on work, participants will create intaglio prints pulled from engravings.

INSTRUCTOR: Christopher Madden, bank-note engraver, U.S. Bureau of Engraving and Printing

37. COIN CARVING 101:
CREATING THE MODERN HOBO NICKEL
When is a buffalo an elephant, or an Indian a soldier in uniform? Find out in this fascinating exploration of the history and folk art of the hand-carved hobo nickel. Students will learn to use hand gravers, a hammer and chisel, and rotary and air-powered tools to create their own works of Americana art. Ready-to-carve nickels and other tools will be provided.

INSTRUCTOR: Joe Paonessa, America’s greatest left-handed hobo-nickel carver

E. HOW U.S. CURRENCY WAS & IS MADE-$79
(Sunday-Monday, July 5-6, 6:30 P.M.-9:30 P.M.)
The intaglio-printing process guarantees that bank notes around the world are not easily counterfeited. Learn about the challenges behind this process and how it has evolved over the past 100 years. Students will get to handle actual component dies, master dies, rolls, printing plates and all the electroforming objects from blanks to finished plates used to make currency. You will explore fantastic visuals and even a film showing the action. You even will get to see real glitches that were made on U.S. currency and stamps and learn how they happened.

INSTRUCTOR: Peter Huntoon, author of United States Large Size National Bank Notes

F. DIGITAL IMAGE EDITING FOR NUMISMATICS:
GETTING YOUR OBERVES & REVERSSES TOGETHER-$79
(Sunday-Monday, July 5-6, 6:30 P.M.-9:30 P.M.)
Learn how to organize, edit and modify coin and paper-money images for print and web publishing, personal reference and exhibiting. Demonstrations include basic color correction, adding and removing backgrounds, and creating drop shadows and reflections. Students will gain hand-on experience combining separate obverse and reverse photos into a single seamless composite image. It is highly recommended that students bring their own laptop with Adobe Photoshop® to familiarize themselves with the software. Students can bring their own digital images for hands-on practice, but practice images will be provided by the instructor.

INSTRUCTOR: Michael Kodyz, visual communication instructor and numismatic exhibitor

G. DETECTION OF ARTIFICIAL TONING, ARTIFICIAL FROSTING & REPROOFING SURFACES OF COINS-$79
(Sunday-Monday, July 5-6, 6:30 P.M.-9:30 P.M.)
Collectors will become familiar with the color sequence of rainbow toning on coins, the difference between natural and artificial toning and the contrast between “liquid transfer directional gas” and “air transfer” toning. The instructors will lead an exploration of artificial frosting and surface reproofing and provide examples for students to examine.

INSTRUCTORS: H. Robert Campbell, ANA past president, owner of All About Coins, and expert on toning; and Brian Silliman, professional numismatist, Brian Silliman Rare Coins, former NGC grader conserver and ANA authenticator/conserver

H. AUCTION WORLD 101: AN INSIDER PERSPECTIVE-$59
(Sunday, July 5, 6:30 P.M.-9:30 P.M.)
It takes many moving parts for auction houses to produce a successful event. Participants will come away with the knowledge that will help them improve, upgrade or disperse a collection through an auction. This class will present an overview of how to buy, sell and participate in auctions by understanding how auction companies approach sales.

INSTRUCTOR: Ailie Byers, CFO, Centennial Auctions
SESSION 1: JUNE 27-JULY 3

COURSES

Saturday, June 27, is Registration Day
Thursday, July 2 is Departure Day

CLASSROOM HOURS:
Sunday, June 28-Wednesday, July 1
9-11:45 a.m. & 1:15-4 p.m.

SELECT ONE CLASS PER WEEK

1. Grading U.S. Coins, Part 1 (p. 4)
2. Grading U.S. Coins, Part 1 (p. 5)
3. Grading U.S. Coins, Part 2 (p. 5)
4. Advanced U.S. Coin Grading & Problem Coins (p. 5)
5. Detection of Counterfeit & Altered Coins (p. 5)
6. Detection of Counterfeit World Paper Money (p. 5)
7. Introduction to Early U.S. Paper Currency: 1765-1865 (p. 6)
8. Collecting & Investing in Morgan Dollars: A Comprehensive Approach (p. 6)
9. The Modern Minting Process (p. 6)
10. Collecting U.S. Type Coins (p. 7)
11. Legacy & Coinage of Father-Son Mint Engravers William & Charles Barber (p. 7)
12. The Amazing World of Early Coppers (p. 7)
14. Introduction to Numismatic Digital Photography (p. 8)
15. Creating a Winning Numismatic Exhibit (p. 8)
16. Numismatic Writing & Publishing (p. 8)

EVENING MINI-SEMINARS

A. Advanced Numismatic Negotiating (p. 9)
B. National Bank Notes: The Big Picture (p. 9)
C. Collecting the “Oddball” Denominations (p. 9)
D. U.S. Error Coins (p. 9)

SESSION 2: JULY 4-JULY 9

COURSES

Saturday, July 4, is Registration Day
Thursday, July 9, is Departure Day

CLASSROOM HOURS:
Sunday, July 5-Wednesday, July 8
9-11:45 a.m. & 1:15-4 p.m.

SELECT ONE CLASS PER WEEK

22. Grading U.S. Coins, Part 2 (p. 14)
23. Detection of Counterfeit & Altered Coins (p. 15)
24. Early American Copper Coinage (p. 15)
25. Classic Commemorative Coins (p. 15)
26. Introduction to Medals & Medal Collecting (p. 15)
27. The Business of Being a Coin Dealer (p. 16)
28. Secrets of the Flying Eagle & Indian Head Cents (p. 16)
29. Fundamentals of Coin Collecting (p. 16)
30. From the Establishment of the First Mint in the New World to the Birth of the Mexican Republic (p. 16)
31. Advanced Digital Numismatic Photography for Collectors (p. 16)
32. An Introduction to Modern World Paper and Coins (p. 17)
33. Small Size Dollars: MacVugh to Mnuchin (p. 17)
34. World War II Numismatics (p. 17)
35. Advanced World War II Numismatics (p. 17)
36. Intaglio Engraving (p. 18)
37. Coin Carving 101: Creating the Modern Hobo Nickel (p. 18)

EVENING MINI-SEMINARS

E. How U.S. Currency Was & Is Made (p. 17)
F. Digital Image Editing for Numismatics: Getting Your Obverses & Reverses Together (p. 17)
G. Detection of Artificial Toning, Artificial Frosting & Reproofing of Surfaces of Coins (p. 17)
H. Auction World 101: An Insider Perspective (p. 17)
**Details/Features...**

**Sign up Early!** Save $50 by paying your tuition and fees by April 3. Be sure to select your classes early, as enrollment is limited.

**Cancellation/Refund Policy:** The ANA reserves the right to cancel courses with inadequate enrollment numbers. In the event of such cancellation, students will be notified by May 22, and the ANA will issue a full refund of the registration fee (but will not be responsible for any other charges incurred by the registrant due to the cancellation of the course). Registrants cancelling on or before May 29 can choose to receive a refund (less a $50 cancellation fee), or keep a credit with us (without penalty) for a future seminar. Registrants cancelling after May 29 are not eligible to receive any refunds, but can accept a credit for a future seminar (minus a $150 cancellation fee). Registrants who fail to attend the Seminar without notice will forfeit all funds.

**Scholarships/Financial Aid:** Merit-based scholarships are available to ANA members. For applications, visit money.org/ANA-summer-seminar-scholarships. The application deadline is February 14. For more information, call 719-482-9810 or e-mail seminars@money.org.

**YN Age Guidelines:** Summer Seminar is an adult-level conference in an open-campus college setting. Therefore, a parent or legal guardian must accompany children under the age of 15. Several accommodation options are available to parents, and we are happy to assist you in planning your visit. Call 719-482-9810 or e-mail pwhitnah@money.org.

**Travel:** We recommend contacting Paul Whitnah with M&M World Travel Service for travel arrangements (phone toll-free 800-426-8326 or e-mail pwhitnah@mworldtravel.com). M&M works closely with the ANA to provide competitive airline rates and personalized service. To take advantage of the ANA’s complimentary shuttle, students must fly into the Colorado Springs Airport.

**Off-Campus Lodging**

Students who prefer private baths or air conditioning or those traveling with family should consider off-campus lodging. Listed below are several lodging options within a short distance of ANA headquarters and Colorado College. Please note: it is the student’s responsibility to make reservations directly with hotels. Cancellations terms for off-campus lodging vary by hotel.

**The Mining Exchange** (a Wyndham Grand Hotel) 719-223-2000 | MININGEXCHANGEHOTEL.COM

The Mining Exchange, located about a mile south of ANA headquarters, occupies a fully renovated historic building in downtown Colorado Springs. The hotel offers a variety of on-site services including high-speed internet access, a 24-hour fitness center, 24-hour room service, and a bar and full-service restaurant.

**The Antlers** (a Wyndham Grand Hotel) 719-955-5600 | ANTLESTUS.COM

This historic hotel, established in 1883, is located in the heart of downtown Colorado Springs and shopping district, about a mile south of the ANA. It offers spacious guest rooms with all the amenities normally found in a corporate hotel, including an indoor swimming pool and whirlpool, health club, two full-service restaurants and a morning coffee bar.

**The St. Mary’s Inn Bed & Breakfast** 719-540-2222 | THESTMARYSINN.COM

Situated just five blocks southeast of ANA headquarters, this elegant inn has been renovated to its original splendor, but features 21st-century amenities. Each spacious room offers air conditioning, a sitting area, cable TV and high-speed wired or wireless Internet access. A complimentary gourmet breakfast is served in the dining room each morning.

**Holiday Inn Express & Suites Colorado Springs Central** 719-424-4300 | HOLIDAYINKNEXPRESS.COM

Located 1.2 miles from ANA headquarters, the Holiday Inn Express & Suites offers a complimentary hot breakfast and a 24-hour fitness center with indoor pool and hot tub. Also provided is high-speed wired and wireless Internet access and complimentary shuttle service within a two-mile radius of the downtown Colorado Springs area.

**Hilton Garden Inn** 719-632-1000 | HILTON.COM/EN/HILTON-GARDEN-INN

Hilton Garden Inn is the newest hotel in downtown Colorado Springs. Situated just five blocks southeast of ANA headquarters, this elegant inn has been renovated to its original splendor, but features 21st-century amenities. Each spacious room offers air conditioning, a sitting area, cable TV and high-speed wired or wireless Internet access. A complimentary gourmet breakfast is served in the dining room each morning.

**The St. Mary’s Inn Bed & Breakfast**

**The Antlers**

**Holiday Inn Express & Suites Colorado Springs Central**

**Hilton Garden Inn**

**Athens**

**Deadline to Register for Summer Seminar: June 5**

**Off-Campus Fees**

**Banquet Ticket Included for All Students | Lodging and Meals Not Included**

<table>
<thead>
<tr>
<th>Price</th>
<th>Total</th>
<th>Price</th>
<th>Total</th>
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<tbody>
<tr>
<td>Off-Campus Tuition - One Week - Adults and YNs</td>
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<td>Off-Campus Tuition - Two Weeks - Adults and YNs</td>
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<td>Multi-Occupancy Apartment - Private Room - 5 nights</td>
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<td>Multi-Occupancy Apartment - Private Room - 12 nights</td>
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<td>YN College Dorm - 5 nights (YNs are Young Numismatists, age 13 to 17)</td>
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<td>YN College Dorm - 12 nights (YNs are Young Numismatists, age 13 to 17)</td>
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**Seminars**

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<th>Subject</th>
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<tr>
<td>Digital Image Editing for Numismatics</td>
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<tr>
<td>Coin Fitting &amp; Reproofing Surfaces of Coins</td>
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<td>Jewelry Montage</td>
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<td>Tutorials</td>
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<td>Brewery Tour of Colorado Springs</td>
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<td>Denver Mint Tour</td>
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<tr>
<td>Denver Museum of Nature &amp; Science</td>
<td>$20</td>
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<tr>
<td>Major League Baseball: Rockies vs. Giants</td>
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**EXTRA LODGING**

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<th>Additional On-Campus Lodging and Meals (per person/per night)</th>
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<tr>
<td>Friday, June 26</td>
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<tr>
<td>Thursday, July 2</td>
<td>$110</td>
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<tr>
<td>Friday, July 3</td>
<td>$110</td>
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**Banquet Tickets**

<table>
<thead>
<tr>
<th>Donation for Summer Seminar 2020 Registration Form</th>
<th>Side 1 Pricing</th>
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<tbody>
<tr>
<td>Early Discount: $50 per week if campus fees are paid by April 3</td>
<td></td>
</tr>
<tr>
<td>Campus Fees Discount: $25 per week for life members</td>
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<tr>
<td>Grand Total</td>
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</table>
NAME (as you would like it to appear on your name tag)

NAME (as you would like it to appear on your diploma)

ADDRESS

CITY    STATE   ZIP

CELL PHONE   DAY PHONE   EVENING PHONE

E-MAIL

AGE    ANA MEMBER NO. (Membership required to attend)

PREFERRED ROOMMATE

☐ Young Numismatist, age 13 to 17 (you will be contacted by an ANA staff member)

☐ I will need special assistance (you will be contacted by an ANA staff member)

Scholarship recipient (Name of provider)

SESSION 1 COURSE NUMBER

FIRST CHOICE   SECOND CHOICE

SESSION 2 COURSE NUMBER

FIRST CHOICE   SECOND CHOICE

Do you plan to attend the banquet? ☐ Yes ☐ No

PAYMENT

Make check or money order payable to American Numismatic Association.

Please charge $___________ to

☐ VISA   ☐ MASTERCARD

☐ AMERICAN EXPRESS   ☐ DISCOVER

CARD NUMBER

EXPIRATION DATE

NAME ON CARD

SIGNATURE

RETURN TO:
American Numismatic Association Summer Seminar 2020
818 North Cascade Avenue, Colorado Springs, CO 80903-3279

DEADLINE TO REGISTER: JUNE 5

QUESTIONS?
(719) 482-9810
SEMINARS@MONEY.ORG