AMERICAN NUMISMATIC ASSOCIATION FLORENCE SCHOOK SCHOOL OF NUMISMATICS

2019 SUMMER SEMINAR

COURSE CATALOG

Session 1: June 15-20 • Intersession: June 20-21 • Session 2: June 22-27
Join us at Summer Seminar!

Our students know that Summer Seminar is numismatics’ premier annual educational event. It’s a meeting place of great minds and great friends, where you’ll learn and grow into a more informed collector and professional, all while enjoying the camaraderie of like-minded people.

You can encounter fascinating subjects presented by world-class instructors and spend time with other students who share your passion. Optional tours, seminars and special events round out a perfect week (or two) of numismatic immersion.

Classes are held on the campus of Colorado College, a prominent, four-year liberal arts college founded in Colorado Springs in 1874. A variety of tuition and lodging options are available to meet your needs and budget.

What are you waiting for? An enthusiastic exchange of ideas and knowledge awaits you!

“I’ve lived a full life, and thought I’d ‘been there and done that.’ Then I finally made the time to attend Summer Seminar and found that I needed a new life. So much to learn! It has been the high point of every year since. Great friends, great knowledge, great memories!”

-Pam S., ANA member

Questions? Call 719-482-9810 or e-mail seminars@money.org

Ed Rochette, father of Summer Seminar.

SUMMER SEMINAR STAFF (from left): Numismatic Educator Sam Gelberd, Education Director Rod Gillis, Seminars Manager Brianna Victor, Museum Specialist/Photography Director Robert Kelley, Seminars Coordinator Meghan Reed, Museum Curator Douglas Mudd and Library Director David Sklow.
For more than 50 years, the annual Summer Seminar in Colorado Springs has offered in-depth classes to suit every collector’s needs. Students can hone their numismatic photography and publishing skills, sharpen their grading and counterfeit-detection abilities, study ancient coinage, carve coins and much more. With Summer Seminar, students can tailor their numismatic education for a personal fit.

Classes consist of small groups where participation is encouraged and engaging discussion is common. Participants learn from instructors who are recognized leaders in their fields, and from the experiences of fellow students who range in age from teenagers to seniors. The ANA’s Edward C. Rochette Money Museum and Dwight N. Manley Library provide additional educational and research options.

Students can select from a variety of tuition and lodging options to meet their needs and budget. Most stay in Colorado College dormitories, but many elect to stay in nearby hotels and inns (p. 22). Optional tours, lectures and events are offered. Those traveling with family or friends might find the tours and events (p. 11) and the Intersession activities (p. 12-13) of particular interest.

Those who don’t wish to join an organized activity can enjoy the great attractions, restaurants and entertainment venues of Colorado Springs and the Pikes Peak region—one of America’s most popular family tourist destinations. Visit Garden of the Gods, the Air Force Academy, the Olympic Training Center and more.

Rarely do students or instructors attend just one Summer Seminar. More than 70 percent come back time and time again for the unparalleled education, friendships and camaraderie. There is a reason why participants are so loyal and enthusiastic. Come see for yourself!

More than 40 young numismatists (YNs)—ages 13-17—attend Summer Seminar each year, bringing enthusiasm and new perspectives. Many have become hobby leaders, with Summer Seminar playing a key role in their success. YNs stay in Colorado College dormitories with counselor supervision. They have the same opportunities as adult students, attending class during the day and having the option to take mini-seminars or go on tours in the evening. YNs also organize and conduct a benefit auction, with all proceeds directly benefiting the YN Summer Seminar Scholarship Fund, which helps dozens of YNs attend every year.

* See YN AGE GUIDELINES on p. 22.

Dedicated Young Numismatists Welcome

**JIM STOUTJESDYK** helps a student in his “Grading United States Coins, Part 1” class.
1. & 2. Grading United States 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. Enrollment in each class is limited to 20 students.

1. **Instructors:** Jim Stoutjesdyk, vice president of numismatics, Heritage Auctions; David Bozsik, Professional Coin Grading Service grader and authenticator; and Kevin Kaufmann, professional numismatist

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

3. Grading United States 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 United States Coins, Part 1” or permission from the instructors. Enrollment in this class is limited to 24 students.

**Instructors:** David J. McCarthy, senior numismatist, Kagin’s; Steven Feltner, professional numismatist, Americana Rare Coin; and Devin Hipp, professional numismatist and owner of Devin Hipp Enterprises LLC

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**GRADING STUDENTS** review hundreds of coins to sharpen their skills.
4. 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 United States, 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

5. Introduction to Numismatic Digital Photography

Students will learn how to take great 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 software applications. 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

6. Introduction to Early United States Paper Currency (1776-1899)

Designed for intermediate students, this class divides U.S. paper money into three periods: The Revolution to the Civil War; the Civil War; and post-Civil War federal issues until 1899. (National Bank notes will not be covered.) Students will examine specimens from the ANA’s Edward C. Rochette Money Museum—including those from the Bebee Collection—to learn the fascinating role of paper currency in the economic development of the United States and how these notes 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
7. The Fourteen Mexican Mints (1536-1910)
   Explore the history of the fourteen mints established in Mexico, including history, coin issues, and the circumstances of each mint’s origin. Handle coins of each mint and discuss different varieties and other interesting facts. Students will gain a thorough understanding of the official mints of Mexico and their impact.
   **Instructor:** Ricardo de León Tallavas, author and Mexican coinage expert

8. Medalllic Washington: Images of Our First President in Numismatics
   George Washington’s image appears on virtually every category of post-colonial Americana, from coins, tokens, medals and patterns to commemoratives and even pioneer gold. This course will cover the spectrum of Washington issues from the past to the present, with special attention paid to the earliest coins and medals, special rarities, and fantasies, fakes and forgeries.
   **Instructors:** Dr. David Menchell, medals expert; and Neil Musante, author, *Medalllic Washington*, Volumes 1 and 2

9. Developing a Passion for Liberty Seated Coinage
   Presented by leading experts in the field, this in-depth examination of Liberty Seated coinage will explore historical perspectives, key dates, collecting strategies, major varieties, grading, counterfeits and authentication. Each denomination in the series—half dimes, dimes, 20 cents, quarters, half dollars, dollars and Trade dollars—will be
covered, and students will handle coins of all grades. **Instructors:** John Frost, co-author, *Double Dimes: The United States Twenty-Cent Piece*, and education director, Liberty Seated Collectors Club; Craig Eberhart, Liberty Seated Collectors Club; and Len Augsburger, project coordinator, Newman Numismatic Portal

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10. **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, author and specialist in U.S. small cents

11. **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

12. **Intaglio Engraving**

This course offers an introduction to and instruction in intaglio engraving and etching. Students will learn the rudiments of a banknote 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

**SUMMER SEMINAR STUDENTS** arrive at Colorado College ready to begin their week of studies and activities.

**PHOTOS:** ROBERT B. KELLEY

Lawrence Sekulich teaches students how to **CREATE A WINNING EXHIBIT** from their collections.
13. The Art of Engraving

This course offers instruction and hands-on exploration of both the sculpting and hand-engraving processes traditionally used to create medals and coins. This is a two-year program, with students returning in 2020 to complete the course. (The class is underwritten by the Gilroy and Lillian P. Roberts Foundation in honor of Gilroy Roberts, the ninth chief engraver of the United States Mint.)

**Instructor:** Laura Stocklin, U.S. Bureau of Engraving and Printing

**STUDENTS** in “The Art of Engraving” learn techniques firsthand.
Session 1 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 and learn something new. Each student can take one mini-seminar in conjunction with their day course. Pre-registration is required.

A. Small-Size Dollars: McVeagh to Munchin • $79
Sunday-Monday, June 16-17, 6:30-9:30 P.M.

This program 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 include Legal Tender notes, silver certificates, current Federal Reserve notes, series designations, note varieties, engraving errors, “funny backs” and more!
Instructor: Rick Ewing, professional numismatist

B. United States Patterns & Error Coins • $79
Sunday-Monday, June 16-17, 6:30-9:30 P.M.

This mini-seminar will offer an overview of two interesting and popular topics in U.S. coin collecting: patterns and errors. Participants will examine dozens of patterns and error coins, including many rare pieces, with plenty of group discussion.
Instructor: John Frost, co-author of Double Dimes: The United States Twenty-Cent Piece and education director of the Liberty Seated Collectors Club

C. Conder Tokens: A Study of the History, Care & Grading of Tokens of Late-18th-Century Britain • $79
Sunday-Monday, June 16-17, 6:30-9:30 P.M.

Students will learn about this amazing series through hundreds of pictures, explanations and stories that have fascinated collectors of these 18th-century British tokens. The instructor will share the history of late 18th-century England under the rule of mad King George and his demented prime minister, the dastardly William Pitt the Younger. Participants will gain hands-on experience and learn about the care, treatment and grading of these fascinating pieces.
Instructor: Jerry Bobbe, former grader, Professional Coin Grading Service

D. Pioneer Gold Coins • $79
Sunday-Monday, June 16-17, 6:30-9:30 P.M.

This mini-seminar will offer a detailed history of United States pioneer and private gold coins, with every maker and major issue discussed and illustrated. The instructor will review the so-called Ford/ Franklin counterfeits and their detection, and important pattern-only issues. Participants are sure to enjoy this in-depth study of one of the most interesting and least understood areas of U.S. numismatics.
Instructor: David J. McCarthy, gold-coin specialist and senior numismatist, Kagin’s

E. What’s in Your Junk? • $79
Sunday-Monday, June 16-17, 6:30-9:30 P.M.

Every dealer and collector has at least one box of mystery coins set aside for future inspection. The instructor will review the basics of differentiating error coins and post-mint damage. Students will learn how and where to hunt for die varieties, and get acquainted with the do’s and don’ts of buying and selling them.
Instructor: Sam Gelberd, ANA Numismatic Educator

F. National Bank Notes: The Big Picture • $79
Sunday-Monday, June 16-17, 6:30-9:30 P.M.

National Bank notes comprise the most intense market within the paper money field, but they can be fickle for dealers to handle. Students will learn what National Bank notes are; why there are different series; what constitutes rarity; the importance of grade; how to judge a note; where to find information; and effective marketing strategies.
Instructors: Peter Huntoon, author of United States Large Size National Bank Notes; and Gerome Walton, author of A History of Nebraska Banking and Paper Money
On-Campus Living

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 in each room. The beds are standard twin size with clean linens on arrival, including 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, shared with one other student, and a single room, which is private. Neither has a private bathroom, 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 a room on the ground floor.

Whatever you choose, we know you will have a great week making new memories and connections.
PIKES PEAK ASCENT ON THE PIKES PEAK HIGHWAY • $35
SUNDAY, JUNE 16 • 4:15 P.M.-8:30 P.M.
MONDAY, JUNE 24 • 4:15 P.M.-8:30 P.M.
Take a ride up the scenic Pikes Peak Highway to the summit of 14,115-foot Pikes Peak—America’s Mountain! You’ll experience 360 degrees of breathtaking views and, if it’s a clear day, you’ll even catch a glimpse of downtown Denver’s skyscrapers. The Bottomless Pit, a dramatic drop-off to the north, and the Continental Divide to the west can be seen from the summit. The bus leaves at 4:15 p.m., and boxed dinners will be provided. Attendees will arrive back at Colorado College by 8:30 p.m. **Note:** Participants are encouraged to wear warm clothes, including a heavy jacket, as the summit is cold and weather is unpredictable. *This tour is not recommended for students with heart or respiratory problems.*

BREWERY TOUR OF COLORADO SPRINGS • $65
MONDAY, JUNE 17 • 4:15-10:00 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’ll 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 departs at 4:15 p.m. and returns to Colorado College at approximately 10 p.m. **Note:** You must be 21 or older and have a valid ID to join us on this tour.

SHUTTLE BUS TO CRIPPLE CREEK & CASINOS • $30
SUNDAY, JUNE 23 • 4:15-11:30 P.M.
Cripple Creek’s Casinos offer the latest and greatest slots, live blackjack, roulette, craps and poker in a friendly and scenic Colorado-mountain atmosphere. The City of Cripple Creek is home to 14 casinos, which vary from modern facilities to beautifully restored historic buildings. Please note this is a shuttle bus only, and once in Cripple Creek, you will be on your own. The bus leaves at 4:30 p.m., and boxed dinners will be provided. Participants will be back at Colorado College by 11:30 p.m. **Note:** You must be 21 or older and have a valid ID to join us on this tour.

ANNUAL LIBRARY BOOK SALES
SATURDAY, JUNE 15 • 7-9 P.M.
SATURDAY, JUNE 22 • 7-9 P.M.
Surplus books, periodicals and auction catalogs are available for sale at 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, JUNE 18 • 7-10 P.M.
TUESDAY, JUNE 25 • 7-10 P.M.
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.

GRADUATION RECEPTIONS
WEDNESDAY, JUNE 19 • 5-6 P.M.
WEDNESDAY, JUNE 26 • 5-6 P.M.
Free to all Summer Seminar participants. Wine and hors d’oeuvres, as well as non-alcoholic beverages, will be served.

GRADUATION BANQUETS
WEDNESDAY, JUNE 19 • 6-8 P.M.
WEDNESDAY, JUNE 26 • 6-8 P.M.
The Graduation Banquet is a wonderful opportunity to celebrate the week’s achievements with instructors, staff, family and fellow students. The evening is a nice blend of informal gathering, dinner and recognition. Each instructor and on-campus student receives one banquet ticket. Banquet tickets for off-campus students or guests can be purchased for $50.
Intersession Activities

Offered between Session 1 and Session 2, these activities provide a wonderful opportunity to explore some of the area’s great attractions, attend the local coin show, and enjoy an educational lecture or two.

Dinner Talks

Thursday, June 20
The Gold 40-Franc Coins of Napoléon Bonaparte
Out of the bloodshed and turmoil of the French Revolution (1789-99) came one of history’s most significant figures, Napoléon Bonaparte. Among the many reforms he brought to France and Europe was a coinage system based on a fixed percentage of gold, primarily in 20- and 40-franc coins featuring seven designs honoring Napoléon and France. Explore the history and images of these gold coins while learning the background of the French Revolution and Napoléon—conqueror of much of the 19th-century European world.
Presenter: Bob Bair, long-time educator and professional numismatist

Friday, June 21
Official Counterfeiting
For as long as paper money has been in use, governments have waged war by counterfeiting their foes’ circulating paper. Official counterfeiting is a state-on-state operation. This usually wasn’t for economic reasons, as it is almost impossible for a currency to be brought down simply by swamping it with bad paper. The practice provided notes for friendly agents to use behind enemy lines; damaged a nation’s confidence in its own currency; facilitated spending in international commerce for war materiel; and even liberated a friendly population from occupation by an enemy. Learn the schemes for faking an enemy’s notes from the 18th century to the mid-20th century. Tips are provided on how to distinguish the bad paper, which often is worth more to collectors than the original notes.
Presenter: Joseph E. Boling, ANA chief judge and co-author, *World War II Remembered: History in Your Hands, A Numismatic Study*

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 (June 21 and/or June 22), all meals are included in the on-campus fees. Off-campus attendees can purchase Intersession dinners for $25 per person per dinner. For the registration form, see p. 23 and 24. The evening programs are free and open to everyone. Questions? Phone 719-482-9810 or e-mail seminars@money.org.
Learn More, Experience More, Do More

DENVER MINT • $25
THURSDAY, JUNE 20 • 12:45-6 P.M.

During the 45-minute tour, visitors will get a bird’s-eye view of the production floor, including several coining presses that strike more than 750 coins a minute. Tour guides share many interesting facts about the mint and are available to answer questions. Learn the history of the mint and the coin-making process, and enjoy the exhibits and artifacts on display. Boxed lunches will be provided. The bus will leave at 12:45 p.m., and will return to Colorado College by 6 p.m.

MOLLIE KATHLEEN GOLD MINE • $45
FRIDAY, JUNE 21 • 8:30 A.M.-1 P.M.
Go on a gold-mining adventure! Descend 1,000 feet into America’s only vertical-shaft gold-mine tour. Experience the Old West as it was for gold miners at “The World’s Greatest Gold Camp” in Cripple Creek, Colorado. Boxed lunches will be provided. The bus departs at 8:30 a.m. and returns to Colorado College by 1 p.m. Note: This tour is not recommended for persons who have heart or respiratory problems.

COLORADO SPRINGS COIN SHOW • FREE
THURSDAY, JUNE 20 • 9 A.M.–6 P.M. • FRIDAY, JUNE 21 • 9 A.M.–6 P.M. • SATURDAY, JUNE 22 • 9 A.M.–4 P.M.
Colorado Springs Event Center
3960 Palmer Park Blvd, Hall A

A COMPLIMENTARY SHUTTLE between Colorado College and the coin show will be available Thursday, Friday and Saturday. For more information, phone 719-641-2700.

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. Enrollment in each class is limited to 20 students.

20. Instructors: Michael Faroone, grader, Professional Coin Grading Service; and Kyle Knapp, professional numismatist and former grader, Professional Coin Grading Service

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

22. Grading United States 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 United States Coins, Part 1” or permission from the instructors. Enrollment in this class is limited to 24 students.

Instructors: Thomas Hallenbeck, ANA past president and owner, Hallenbeck Coin Gallery; Jerry Bobbe, former grader, Professional Coin Grading Service; and Kevin Kaufmann, professional numismatist

23. Advanced United States 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 United States Coins, Parts 1 and 2” or instructor permission. Enrollment is limited to 24 students.

Instructors: Don Ketterling, professional numismatist, D.H. Ketterling Consulting; Marc Crane; Jeff Garrett; and Maxwell Gregory
24. 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 United States, 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/conserver and ANA authenticator/conserver; and H. Robert Campbell, ANA past president, owner of All About Coins, and recognized expert on toning.

25. Digital Numismatic Photography for Collectors

This class is designed for intermediate photographers who want to manage their digital coin collection, sell coins online, conduct research or perform diagnostic inspection. Learn how to organize a collection for selling or theft recovery; and create glamour images for publication or Internet bragging rights. Discover proper image capture and handling methods for premium efficiency. Students are encouraged to bring a DSLR camera with a macro lens, a laptop with Photoshop® or Photoshop Elements®, and several items from their collections to photograph.

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


Explore the minting process and learn how each procedure can lead to the creation of collectible errors and varieties. Topics include identification and description; value; and the art of cherry-picking. Students are encouraged to bring their own errors and varieties. Included is a field trip to the Moonlight Mint in Loveland, Colorado, where students can view the production process from design to post-strike finishing, and press the button on a Grabener coin press (formerly used by the Denver Mint to strike commemoratives) to produce their own medallions. This class fulfills the “Modern Minting Process/U.S. Minting Errors and Varieties” course requirement for the ANA Numismatic Diploma Program.

27. Collecting United States 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.

28. The Wonderful World of Paper Money

Paper money has existed for centuries, and not only for economic purposes. Just as the Romans used coinage to publicize Imperial accomplishments, paper currency has been printed to celebrate a nation’s history, people and conquests. Take a tour covering 600+ years of paper money, how it is produced and what it represents, as well as its artistry and future. (Soon it might not be “paper” money any longer!) Included are many hours of handling notes. Pick the countries or periods that interest you and enjoy!

Instructor: Joseph E. Boling, ANA Chief Judge and co-author of World War II Remembered: History in Your Hands
29. Ducats to Dollars: Trade Coins from the End of the Middle Ages until the 20th Century

Students will study the evolution of world coins from the 13th century through the middle of the 20th century, with a focus on the coins used in international trade, starting with the gold florin, the Venetian ducat and descendants like the Netherlands ducat and gulden. Participants will discover how the dollar evolved from its 15th-century Tyrolean ancestor, and follow the development and demise of Trade dollars from Spanish cobs to the demonetization of the Maria Theresa thaler in 1971.

Instructor: Ian Fenn, researcher, author and student of numismatics

30. 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: EACer Jim Carr, professional numismatist, Carr’s Coins; and Kevin Vinton
31. Indian Peace Medals

Learn about Indian Peace medals as numismatic objects, ethnographic artifacts, representations of a negotiated military treaty, and symbols of power and prestige for their original Native American owners. Using the Denver Museum of Nature and Science’s Crane Collection, students will examine specimens of French, British, Canadian and American Peace medals, including a daylong visit to the Denver Museum. A final research project allows students to contribute to constructing a census of known examples.

Instructors: Dr. Steve Nash, senior curator of archaeology, Denver Museum of Nature and Science; and Dr. Lawrence J. Lee, curator emeritus

32. 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. Each student will receive ready-to-carve nickels.

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

Be sure to check out the Edward C. Rochette Money Museum!

The must-see exhibits include the Harry W. Bass, Jr. Gallery featuring highlights of the Harry Bass collection of U.S. gold coins and patterns; two 1804 dollars; and a 1913 Liberty Head nickel. The Main Gallery offers the new exhibit Money of Empire: Elizabeth to Elizabeth, while the Lower Level Gallery spotlights The History of Money and features an operational “mini-mint” where you can watch the production of our latest ANA Museum token!
Session 2 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 and learn something new. Each student can take one mini-seminar in conjunction with their day course. Pre-registration is required.

G. Carson City: The Mint, the Technology, the Coins • $79
Sunday-Monday, June 23-24, 6:30-9:30 P.M.
Participants will learn about the events and people behind the creation of the Carson City (CC) Mint. The instructor will review the rarities and variety of CC issues, including Liberty Seated coinage, 20-cent pieces, and Morgan and Trade dollars, as well as gold coins struck in $5, $10 and $20 denominations. Students will explore the challenges the Mint faced in using 19th-century refining technologies, and how it dealt with problems caused by the isolation of Carson City. Also offered are collecting tips; advice about how to build a type set; and information about grading and availability.
Instructor: David Jaeger, collector of Carson City coins

H. The 1780 Maria Theresa Thaler: 267+ Years of Economic & Numismatic History • $79
Sunday-Monday, June 23-24, 6:30-9:30 P.M.
The 1780 Maria Theresa thaler is a ubiquitous coin poorly understood by many collectors. Students will explore the incredible history of the coin, and learn how to cherrypick collectable and rare examples while avoiding modern restrikes.
Instructor: Ian Fenn, European coin expert

I. The Good, the Bad & the Ugly: The Many Faces of Justinian the Great • $79
Sunday-Monday, June 23-24, 6:30-9:30 P.M.
This mini-seminar presents a numismatic study of the world-altering events that transpired throughout the reign of Justinian I, Byzantine emperor from A.D. 527 to 565. The stressful toll on the man is noted through an amazing decades-long series of mostly unstudied base-metal coinages, all dated and identified and struck at six different mints. Beware the plague!
Instructors: Jerry Bobbe, former grader, Professional Coin Grading Service; and Larry Gaye, ANA national volunteer and longtime collector and exhibitor

J. Playing in the Auction World • $59
Sunday, June 23, 6:30-9:30 P.M.
Participants will discover how to buy, sell and participate at auctions. An auction house must coordinate a good deal of material and information: obtaining consignments, cataloging, marketing, and conducting the auction live, online or live interactive. Participants will gain knowledge that helps them improve, upgrade or disperse a collection through the auction method. Time permitting, you might even learn how to chant!
Instructor: Ailie Byers, CFO, Centennial Auctions

K. The Seven Colonial Mints in Mexico (1536-1821) • $79
Sunday-Monday, June 23-24, 6:30-9:30 P.M.
Seven colonial mints officially were opened by the Spanish government. This program will trace their development, starting with the establishment of the first mint in Mexico City in 1536, and the striking of Carlos and Johanna, cob, transitional and milled coinage there. Students will review the history of the mints in Durango, Chihuahua, Monclova, Zacatecas, Sombrerete and Guadalajara (1810-21), including varieties and details of issues from each mint during that period.
Instructor: Ricardo de León Tallavas, author and Mexican coinage expert

L. Detection of Artificial Toning, Artificial Frosting & Reproofing Surfaces of Coins • $79
Sunday-Monday, June 23-24, 6:30-9:30 P.M.
In this mini-seminar, 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 frostong 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
Schedule at a Glance

Session 1: June 15-20

SATURDAY, JUNE 15
10 A.M.–4:30 P.M.—Adults and YNs arrive at COS Airport; take shuttle to College
10:30 A.M.–5 P.M.—Registration/Check-in at College & Buffet Lunch
11 A.M.–4:30 P.M.—YN Benefit Auction Lot Donations
6 P.M.—Opening Ceremonies
7-7:30 P.M.—All About “Coin Camp”
7-9 P.M.—ANA Library Book Sale

SUNDAY, JUNE 16
9–11:45 A.M. and 1:15–4 P.M.—Classes in session
Noon-1 P.M. and 4-5 P.M.—ANA Library Book Sale
4-6 P.M.—Art of Engraving
   Art Gallery Show
4:15 P.M.—Tours
4:30–8:30 P.M.—Bull Sessions
5:30–7 P.M.—YN Benefit Auction Lot Donations
6:30–9:30 P.M.—Mini-Seminars

MONDAY, JUNE 17
9-11:45 A.M. and 1:15–4 P.M.—Classes in session
Noon-1 P.M. and 4-5 P.M.—ANA Library Book Sale
4:15 P.M.—Tours
4:30–8:30 P.M.—Bull Sessions
6:30–9:30 P.M.—Mini-Seminars
7–9 P.M.—YN Benefit Auction Lot Viewing

TUESDAY, JUNE 18
9-11:45 A.M. and 1:15–4 P.M.—Classes in session
5:30 P.M.—YN Benefit Auction Lot Viewing opens
7–10 P.M.—YN Benefit Auction

WEDNESDAY, JUNE 19
9–11:45 A.M. and 1:15–4 P.M.—Classes in session
5 P.M.—Graduation Reception
6 P.M.—Graduation Banquet

THURSDAY, JUNE 20
4–10 A.M.—COS Airport Shuttle Drop-off (Adults & YNs)

Courses

Saturday, June 15, is Registration Day
Thursday, June 20, is Departure Day

Classroom Hours: Sunday, June 16–Wednesday, June 19, 9–11:45 A.M. & 1:15–4 P.M.

Select one class per week

1. Grading United States Coins, Part 1 (p. 4)
2. Grading United States Coins, Part 1 (p. 4)
3. Grading United States Coins, Part 2 (p. 4)
4. Detection of Counterfeit & Altered Coins (p. 5)
5. Introduction to Numismatic Digital Photography (p. 5)
6. Introduction to Early United States Paper Currency (1776-1899) (p. 5)
7. The Fourteen Mexican Mints (1536-1910) (p. 6)
8. Medallic Washington: Images of our First President in Numismatics (p. 6)
9. Developing a Passion for Liberty Seated Coinage (p. 6)
10. Secrets of Flying Eagle & Indian Head Cents (p. 7)
11. Creating a Winning Numismatic Exhibit (p. 7)
12. Intaglio Engraving (p. 7)
13. The Art of Engraving (p. 8)

Evening Mini-Seminars

A. Small-Size Dollars: McVeagh to Mnuchin (p. 9)
B. United States Patterns & Error Coins (p. 9)
C. Conder Tokens: A Study of the History, Care & Grading of Tokens of Late-18th-Century Britain (p. 9)
D. Pioneer Gold Coins (p. 9)
E. What’s in Your Junk? (p. 9)
F. National Bank Notes: The Big Picture (p. 9)
Session 2: June 22-27

COURSES

Saturday, June 22, is Registration Day
Thursday, June 27, is Departure Day

Classroom Hours: Sunday, June 23–Wednesday, June 26, 9–11:45 A.M. & 1:15–4 P.M.

SELECT ONE CLASS PER WEEK

22. Grading United States Coins, Part 2 (p. 14)
23. Advanced United States Coin Grading & Problem Coins (p. 14)
24. Detection of Counterfeit & Altered Coins (p. 15)
25. Digital Numismatic Photography for Collectors (p. 15)
27. Collecting United States Type Coins (p. 16)
28. The Wonderful World of Paper Money (p. 16)
29. Ducats to Dollars: Trade Coins from the End of the Middle Ages until the 20th Century (p. 17)
30. Early American Copper Coinage (p. 17)
31. Indian Peace Medals (p. 18)
32. Coin Carving 101: Creating the Modern Hobo Nickel (p. 18)

EVENING MINI-SEMINARS

G. Carson City: The Mint, the Technology, the Coins (p. 19)
H. The 1780 Maria Theresa Thaler: 267+ Years of Economic & Numismatic History (p. 19)
I. The Good, the Bad & the Ugly: The Many Faces of Justinian the Great (p. 19)
J. Playing in the Auction World (p. 19)
K. The Seven Colonial Mints in Mexico (1536-1821) (p. 19)
L. Detection of Artificial Toning, Artificial Frosting & Reproofing Surfaces of Coins (p. 19)
SIGN UP EARLY!
Save $50 by paying your tuition and fees by March 29. And 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 1, 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 canceling on or before May 15, can choose to receive a refund (less a $50 cancellation fee), or keep a credit with us (without penalty) for a future seminar. Registrants canceling after May 15 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 and need-based assistance is available to ANA members. For applications, phone 719–482-9810. The application deadline is February 1.

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. Phone 719–482-9810 or e-mail seminars@money.org.

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

ALL ABOUT “COIN CAMP”
This informational meeting directly follows our opening ceremonies on registration day. It will cover the details of Summer Seminar, and help you know what to expect throughout the week. We recommend that all new students and instructors attend. There will be a Q&A session, so come prepared with questions!

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 a student’s responsibility to make reservations directly with hotels. Cancellation terms for off-campus lodging vary by hotel.

The Mining Exchange:
A Wyndham Grand Hotel
719–323–2000 (call for rates)
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 Hotel
719–955–5600 (call for rates)
antlers.com

This historic hotel, established in 1883, is located in the heart of downtown Colorado Springs’ entertainment 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.

Clarion Hotel & Quality Suites:
A Choice Hotel
719–471-8681 (call for rates)
clarionhotel.com/hotel/co025

Located 10 blocks southwest of ANA headquarters, the Clarion Hotel and Quality Suites offers a variety of amenities at budget-friendly prices, including a full breakfast buffet, wireless Internet access, fitness center, indoor pool, and a Managers Reception (Monday–Thursday, 4–6 p.m.).

The St. Mary’s Inn
719–540–2222 (call for rates)
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 (call for rates)
holidayinnexpress.com

Located 1.2 miles from ANA headquarters, the Holiday Inn Express and 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
719–482-9810

For more information, phone
719–482-9810

Help Keep Summer Seminar Affordable for Everyone
You can show your support and promote numismatic education in many ways!

- SCHOOL OF NUMISMATICS PATRONS provide books, equipment, teaching materials and much more.
- ROBERT LECCE ADVANCED SCHOLARSHIP PROGRAM provides scholarships to members who are active in the hobby on a local, regional or national level.
- ADNA G. WILDE JR. SCHOLARSHIP FUND provides financial assistance to members who can’t afford to attend Summer Seminar.
- CHARLES O. BROWNE SCHOLARSHIP FUND provides financial assistance to members ages 15-25 taking the Advanced United States Coin Grading and Problem coins class.

To make your donation, just check the appropriate box on the registration form, p. 23.
**OFF-CAMPUS FEES**

<table>
<thead>
<tr>
<th>LODGING, MEALS AND BANQUET TICKET NOT INCLUDED</th>
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<tbody>
<tr>
<td>Meals can be purchased in the campus cafeteria at the posted Colorado College rates</td>
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<tr>
<th></th>
<th>PRICE</th>
<th>TOTAL</th>
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<tr>
<td>Off-Campus Tuition – Session 1 – June 15-20</td>
<td>$760</td>
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<tr>
<td>Off-Campus Tuition – Session 2 – June 22-27</td>
<td>$760</td>
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**ON-CAMPUS FEES**

<table>
<thead>
<tr>
<th>Tuition, Lodging and Meals for One Week + One Banquet Ticket</th>
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<tr>
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<th>Residential Hall – Double Occupancy – 5 nights</th>
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<tr>
<td>*YN Residential Hall – Double Occupancy – 5 nights</td>
<td>$1,100</td>
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<tr>
<td>Residential Hall – Private Room – 5 nights</td>
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<tr>
<td>Multi-Occupancy Apartment – Private Room – 5 nights</td>
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<tr>
<th>Tuition, Lodging and Meals for Two Weeks + Two Banquet Tickets</th>
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| Residential Hall – Double Occupancy – 12 nights                  | $2,510 |
| *YN Residential Hall – Double Occupancy – 12 nights              | $2,410 |
| Residential Hall – Private Room – 12 nights                       | $2,570 |
| Multi-Occupancy Apartment – Private Room – 12 nights             | $2,710 |

*YNs are Young Numismatists, age 13 to 17.

**DONATION TO SUPPORT ANA EDUCATION (100% TAX DEDUCTIBLE)**

Amount: ☐ $25 ☐ $50 ☐ $100 ☐ $500 ☐ Other ________________

For: ☐ Patron ☐ LeCce Scholarship Fund ☐ Wilde Scholarship Fund ☐ Other ________________

**QUESTIONS?**

Phone 719-482-9810  
or e-mail seminars@money.org

**SESSION 1 COURSE NUMBER**  
(June 15-20, 2019)  
1st choice ____________________ 2nd choice ____________________

**SESSION 2 COURSE NUMBER**  
(June 22-27, 2019)  
1st choice ____________________ 2nd choice ____________________

Thank you for your registration. You will receive confirmation by mail.

For: Patron ☐ LeCce Scholarship Fund ☐ Wilde Scholarship Fund ☐ Other ________________

**OFF-CAMPUS FEES**

**ON-CAMPUS FEES**

**DONATION**

Use these totals on the back of this form.
### TO Tours / Mini-Seminars / Banquet Tickets / Extra Lodging

<table>
<thead>
<tr>
<th>Date</th>
<th>Description</th>
<th>Price</th>
<th>Quantity</th>
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<tr>
<td>Friday, June 14</td>
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<td>Sunday, June 16</td>
<td>Tour — Pikes Peak Ascent on the Pikes Peak Highway</td>
<td>$35</td>
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<tr>
<td>Sun./Mon., June 16-17</td>
<td>(A) Small-Size Dollars: McVeagh to Munchin</td>
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<tr>
<td>Sunday, June 23</td>
<td>Tour — Shuttle Bus to Cripple Creek &amp; Casinos</td>
<td>$30</td>
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<td>Additional Banquet Ticket (for off-campus student or guest)</td>
<td>$50</td>
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**EXTRAS TOTAL**

**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 2019
818 North Cascade Avenue, Colorado Springs, CO 80903-3279

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**TOTAL CHARGES**

- **OFF-CAMPUS FEES**

  **ON-CAMPUS FEES**

  Early Discount: $50 per week if campus fees are paid by March 29
  - [ ]

  Campus Fees Discount: $25 per week for Life Members
  - [ ]

**DONATION**

**GRAND TOTAL**