

## NAWCC SLIDE/TAPE PROGRAMS (FOR CHAPTER USE ONLY)

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### NOTE

Chapters may also find the Video programs that are available from the library for borrowing by members to be useful for chapter meetings.

Programs are shipped UPS within the U.S. or air mail if outside the U.S. Programs should be returned to Headquarters as soon as possible after the chapter meeting using the same shipping method. A payment of \$6 to cover shipping & handling is requested and can be placed inside the mailing container upon its return. If a program must be shipped third- second- or next day air UPS, there will be additional charges. An invoice will be included when the program is shipped.

#### 1. ALL YOU WANTED TO KNOW ABOUT OG'S, by Earl McHugh (25)

A brief history about Chauncey Jerome & his OG clocks. Shows some examples of clocks from the collections of members of Chapter #13, comparing size & variety in the OG style of clock.

#### 2. AMERICAN CLOCKMAKING FROM A CRAFT TO AN INDUSTRY, by Chris Bailey (24)

A visit to the American Clock & Watch Museum in Bristol, CT. Gives a brief history of American Clockmaking which started as a craft & developed into a major industry. The emphasis of the talk is on the state of Connecticut.

#### 3. AMERICAN WALL HANGING SECONDS BEAT REGULATORS, by Dorothy & Glenn Marsh (29)

Shows a variety of large regulators from the collections of Chapter #4 members. Companies such as New Haven, Waterbury, Ansonia, Seth Thomas, Welch, & Howard are shown. Shows some of the different escapements used on these regulators with compensated pendulums. All of these clocks beat seconds.

4. AMERICAN WATCHES, by James W. Gibbs (44)

Shows watches from the collection of Jim Gibbs giving serial numbers & date of manufacture. A basic overview of the changes in American watchmaking.

5. EXHIBITS OF REGIONALS HELD AT ANAHEIM, CA, by Lloyd Porter (20)

Shows a variety of clocks & watches from three regionals held in the southern California area. Shows American and foreign items.

6. ANTIQUARIAN HOROLOGICAL RESTORATION, by Robert Barfoot (30)

A brief introduction to restoring clocks in different stages of neglect. Shown are a few clocks from England, Ireland, & America which have been restored.

9. BERNARD J. EDWARDS WATCH & CLOCK ADVERTISING COLLECTION, by Bernard Edwards (14)

Unique collection of advertising items. Includes watches, clocks, signs, & other horological items.

11. DAVID BOYCE'S BACKYARD TOWER CLOCK, by David Boyce & Lloyd Porter (20)

The procedures of moving a Howard tower clock from a church tower to a backyard. Included are the steps in constructing the tower, some of the materials used, & a look at the parts.

12. BEHIND THE DIAL #2, BUSHING, by George Peterson (25)

A method of correcting worn pivot holes. The KWM bushing system is used, & simple, fast, & accurate methods of bushing a clock plate are illustrated.

13. CALENDAR CLOCKS, by M. R. Shunk (28)

A variety of Calendar clocks from companies such as Ithaca, Seth Thomas, Southern Calendar Clock Co., National Calendar Clock Co., & many others.

15. BEHIND THE DIAL #9, THE CLASSIC ENGLISH LANTERN, by George Peterson (45)

The history & mechanics of English lantern clocks. A brief history of early English clockmaking is also included.

16. CLOCKS & WATCHES OF THE FORD & SMITHSONIAN MUSEUMS, by Lloyd Porter (25)

Shows some of the clocks from these two museums. Dates & makers are given. Included is a selection of watches from the Packard & Proctor collections.

17. A COLLECTION OF MINIATURE CLOCKS - EUROPEAN, by Jane & Lloyd Porter (21)

Unusually small carriage clocks from the collection of Jane Porter.

18. DEVELOPMENT OF EARLY AMERICAN CLOCKMAKING, by W. L. Wadleigh, Jr. (35)

Highlights in the development of American clockmaking. Deals with the major kinds of clocks & the major makers, such as Simon Willard & his improved timepiece.

19. DIAL REPAINTING, by Jim West (23)

Repainting an OG dial. Step-by-step procedures: make copy of dial, remove old paint, spray dial white, pencil in dial face, ink in dial face, spray dial clear. Lists supplies needed to complete job.

20. EARLY BATTERY CLOCKS, by Glenn Marsh (32)

Deals with five major companies who made battery clocks and compares their products. 1. Reason (Murday) 1910 England. 2. Eureka (Kutnow) 1910 England. 3. LeRoy (Fery) France 1920. 4. Bulle France 1920. 5. Barr (Poole) American 1932.

21. ELI TERRY, CONNECTICUT CLOCKMAKER, by W. L. Wadleigh, Jr. (27)

Highlights of Eli Terry's career & his competitors' activities. Shows his first five models & their differences. 1816 patent for his Box clock is featured, through his mass-produced shelf clock. Stresses his importance on the clockmaking business in Connecticut.

23. EUROPEAN PUBLIC CLOCKS, by Albert Odmark (45)

24. FANTASY OF THE FORTIES, by Dr. D. H. Shaffer (30)

Clocks made in the 1840's are shown & a detailed history of the changes made in that decade is discussed.

26. HOW I DID IT - THE MAKING OF A WATCH CASE, by Jesse Cannon (10)

How a gold case was made for a valuable pocket chronometer. Gives some idea of the time & effort involved.

27. IN THE WORKS, by Henry Horne & Lloyd Porter (39)

Illustrates three basic repairs on a single train movement: Replace pivot, rebush, replace or repair bent or broken teeth. Shows cleaning the movement and checking the beat with an inexpensive amplifier.

28. INGERSOLL & OTHER DOLLAR WATCHES, by Ralph Whitmer (37)

Examples of dollar watches, including the first watch sold by Ingersoll. Ansonia, Waterbury, & New Haven are represented. Advertising watches are shown, as well as watches made for expositions.

30. THE EXHIBITS OF THE 1972 CONVENTION AT JACKSON, MS, by Lloyd Porter (25)

Some of the fine items on display at the Convention. Also includes some of the NAWCC Officers who attended the meeting.

31. JOSEPH IVES, CLOCKMAKER, by W. L. Wadleigh, Jr. (30)

Joseph Ives & his major contributions to horology. 1. Invention of the wagon spring. 2. Invention of the rolling pinion. 3. His part in development & use of rolled brass in clockmaking.

35. MARINE CHRONOMETER, by Los Angeles Chapter #56 (23)

A short history of the marine chronometer & the underlying necessity for its development. Included are examples of the works of famous makers and historically significant improvements. A typical chronometer is shown disassembled. Tips on the care of a chronometer are given.

36. MINIATURE AMERICAN CLOCKS, by W. L. Wadleigh, Jr. (20)

Deals with scaled down versions of the larger clocks.

37. MY ALL-AMERICAN ELEVEN CLOCKS, by W. L. Wadleigh, Jr. (30)

What Wadleigh considers the 11 most important American clocks due to their historical value & interest to collectors. Simon Willard's wall & patent timepiece, Massachusetts shelf clock, girandole, New Hampshire Mirror clock, Terry's hang-up, box, & Pillar & Scroll, Joseph Ives' wagon spring, Jerome's OG, & Ingraham's gothic steeple.

39. A NEW ENGLAND COLLECTION, CIRCA 1950, by W. L. Wadleigh, Jr. (30)

A variety of clocks from the collection of Art & Millie Bloom. A brief history of some of the early New England makers.

40. THE LANGMAID COLLECTION, by Norman Langmaid & Lloyd Porter (30)

Clocks photographed in June 1972. Main emphasis is on skeleton clocks.

41. EXHIBITS OF THE NORTHWEST REGIONALS, by Lloyd Porter (30)

Many varieties of clocks exhibited at the northwest regionals. European & American.

42. OLD DOMINION CLOCK TREASURY, by Robert Draucker (27)

Clocks from the collections of Chapter #34 members. Not rare items, but shown for originality. Interests and knowledge of Chapter members is shared.

44. AN OUTSTANDING WESTERN COLLECTION, by Lloyd Porter (40)

Interesting mechanical varieties of European clocks. Other data such as maker, date, escapement type, & size are given.

46. PERPETUAL CALENDAR CLOCKS, by Ray Horner & Roger Dankert (22)

Shows American calendar clocks from companies such as Ithaca, Seth Thomas, & Southern Calendar Clock Co. Technical data is not included.

47. RESTORATION OF THE WILLARD HOUSE & CLOCK SHOP, by Dr. Roger W. Robinson (40)

Shows some of the steps taken to restore a much neglected historical home. Shows the interior of the building after restoration & describes the clocks & contents.

48. THE RISE & FALL OF THE VIENNA REGULATOR, by Peter Booz (18)

Shows the wide variety of the early Vienna regulators made in Vienna, Austria about 1700, & gives the approximate dates of the examples.

50. SOME UNUSUAL CLOCKS, MOSTLY AMERICAN, by W. L. Wadleigh, Jr. (24)

Unusual clocks from the Wadleigh & Vincent Versage collections. Shows both case & movement. Shows a number of miniature types which are replicas of large size clocks.

56. VARIETY OF CLOCKS IN NORTH CAROLINA, by Rudolph Gereg & Chapter #17 (28)

A large variety of clocks owned by the members of Chapter #17.

57. THE VERGE WATCH, by Chapter #56 (26)

Studies the verge escapement from 1600-1900. Shows many early verge watches with enamel & tortoise-shell cases. Takes a 1750 verge watch apart, cleans the fusee chain, cleans the escapement, fixes teeth on escape wheel, & reassembles.

58. WHAT TO LOOK FOR WHEN BUYING A WATCH, by Bill Meggers & Joe Shaffer (33)

Aimed at the beginning collector of pocket watches. Shows how to take the movement from the case, the dial & hands off, to inspect for rust, replacements, & faulty parts.

59. WATCHES, by J. J. Shaffer & W. F. Meggers (36)

An introduction to the pocket watch. Illustrates most common escapements, how they work, & why some are better timekeepers than others.

60. CLOCKS OF E. N. WELCH, by Dorothy & Glenn Marsh (30)

The empire of E. N. Welch, the most prominent & wealthiest man in the Connecticut area during the 19th century. The clocks are from the collections of the members of Chapter #69.

61. RARE & UNUSUAL CLOCKS & TIMEPIECES, by Chapter #19 (22)

Rare & unusual clocks from the collections of members of Chapter #19.

62. INGERSOLL ADVERTISING, by Ralph Whitmer (13)

Shows the different types of signs, display cases, & other items used to advertise Ingersoll products.

64. COMPLICATED WATCHES OF THE SANDOZ COLLECTION, by Henry J. Cole (20)

Deals mainly with the animated & complicated watches in the collection of Edouard M. Sandoz. Gives movement, size, & maker.

65. IDENTIFYING POCKET WATCHES, by Bill Meggers (30)

Aims to help identify unmarked American & foreign pocket watches. Classifies them as to type of construction & jewel count.

68. THE ITHACA CALENDAR CLOCK COMPANY, by Tom Blizzard, David Meier, & Chapter #96 (42)  
Ithaca made the first American calendar clocks. The many patents used are discussed.

69. ALARM CLOCKS ARE COLLECTIBLE, by Vincent Angell & Chapter #71 (22)  
Different sizes & varieties of alarm clocks. Emphasis is on Big Ben & Baby Ben. Shows that alarm clocks are inexpensive yet still a collectible item.

70. WELCH, SPRING & COMPANY, by Jo & Owen Burt (36)  
History of the company from 1868 to 1884. Shows four main stages & clocks from each period: Standard shelf models; regulators & calendar; fancy models with musical names; the Patti era. Emphasizes role of B. B. Lewis.

71. ANSONIA & ITS CLOCKS, by Marjorie & Charles Partridge (42)  
Variety of Ansonia clocks from the collections of the members of Chapter #6. They date from 1840-1930.

72. THE YANKEE & HIS CLOCK BOX, by Dorothy Glenk (30)  
Shows the changing American clock case from 1812. Compares the clock case styles to the architecture of the period.

73. SETH THOMAS & HIS CLOCKS, by Marjorie & Charles Partridge (30)  
Shows clocks from their 150 years of manufacturing. Gives a brief history of Seth Thomas & how he began to manufacture clocks. The most well-known name in American clockmaking history.

74. THE RITTENHOUSE ORRERY, by Stephen Kramer, III (33)  
Extensive, original research of astronomer David Rittenhouse & his era.

75. HOROLOGICAL NOVELTIES, by Robert Draucker (25)  
Unusual collectibles that are not necessarily timepieces, such as antique advertising items, toys in the shape of timekeepers, etc.

76. WATCH ODDITIES, by James W. Gibbs (19)  
Rare watches from all areas. Some unusual Repeaters.

77. GETTING ACQUAINTED WITH POCKET WATCHES, by J. J. Shaffer & W. F. Meggers (33)

Discusses some of the major differences between watches & how watches are advertised so as to understand what is being said.

78. CLOCKS OF CENTRAL IOWA, by Chapter #91 (30)

Very brief description of clocks from the collections of members of Chapter #91. Clocks are German, French, & American.

79. THE TERRY FAMILY, by Chapter #31 (30)

Deals with the companies & the members of the Terry family. A chronology illustrated by the clocks.

80. 200 YEARS OF MORBIER CLOCKS, by Alan Seymour (42)

Clocks from southeastern France 1700-1900. The evolution of the dial, case, movement, & pendulum are discussed.

81. EARLY VIENNA REGULATORS, by Pete Booz & Chapter #75 (21)

Mainly floor standing Vienna Regulators from 1700-1825. Pointers are given as to how to date them.

82. SKELETON CLOCKS, by Pete Booz & Chapter #56 (28)

Shows many different skeleton clocks from France, England, Austria, & America. Shows the wide range of styles, escapements, & ages of these clocks, & displays some of the more exotic ones.

83. THE ANIMATED & MUSICAL CLOCKS & FIGURES OF SANDOZ COLLECTION, by Henry J. Cole (33)

84. THE JADE CLOCK, by Ted Bhend (29)

85. RARE & UNUSUAL WATCHES, by James W. Gibbs (34)

Rare watches dating from 1630 to 1810. Makers such as Tompion, Breguet, & Quare. Shows unusual dials, cases & movements.

86. METAL DECORATION IN HOROLOGY, by Chet Lockhart & Dr. Abbott Smith (36)

The art of metal turning in horology. Used for 300 years to cover defects in material. Main focus is to show how to do some simple turning on lathe at home.

87. ABNER JONES & HIS BLOOMFIELD NEW YORK CLOCKS, by Evan Edwards (28)

Shows about 24 clocks & discusses the similarities & differences among them. Shows how to identify this maker at a glance.



88. ARTHUR PEQUEGNAT CLOCK COMPANY, by Chapter #92 (28)

Clocks from one of Canada's best-known clockmaking companies (1904-1940). Majority of clocks are mission, kitchen, & mantel styles. Includes family history.

89. CARRIAGE CLOCKS, by O. B. Frye & Chapter #46 (17)

Carriage clocks from the collections of members of Chapter #46.

90. LUX & KEEBLER PENDULETTES, by Jo Burt & Margaret Horner (24)

Many different models of these animated novelty clocks are discussed. Very little history is given.

91. SETH THOMAS SMALL WOOD CASE CLOCKS, by Ray & Margaret Horner (16)

Seth Thomas clocks from 1863 to 1900. Shows eight different case styles & 16 different designs of the movement.

92. AMERICAN CLOCK TREASURES, by Ray & Margaret Horner (20)

Very rare models from American manufacturers are shown. Date, size, duration, & function are discussed.

93. FASHION CALENDAR CLOCKS, by Ray & Margaret Horner & Chapter #21 (17)

Discusses companies who produced calendars for the Southern Calendar Clock Co. from 1875 to 1889 when they owned the patent rights to all Fashion calendars. Uses the system by Gerald Siegel from February 1967 BULLETIN, whole #126, to designate the types of calendars.

94. CLOCKS OF OLD JAPAN, by Dave Olson & Chapter #56 (27)

Unusual methods of timekeeping in old Japan. Shows three major styles of clocks: hanging clock; bracket clock; & pillar clock. Some clocks are now in the collection of the British Museum.

95. THE ELECTRONIC WATCH, by Armand VanVelthoven (37)

Discusses quartz & digital watches: how they work; why they are accurate, reliable, & durable. Defines the binary system used in all electronic watches. Mentions possible future developments in timekeeping.

96. THE SWINGING CLOCK, by Roger Holmberg (40)

Examples of Swingers from American companies & from France.

97. ADVERTISING TRADE CARDS & POST CARDS, by Ralph Whitmer (22)

General overview of advertising cards used to promote the sale of horological items.

98. 1982 CHICAGO REGIONAL EXHIBIT OF ELECTRIC & BATTERY OPERATED CLOCKS (20)

Variety of makers & models of American battery operated clocks.

99. RESTORATION & ADDITIONS OF ELECTRIC WIND FOR BROWN STREET CLOCK, by Chapter #116 (37)

Step-by-step procedures giving information on products & equipment used.

101. 8-DAY WOODEN WORKS SHELF CLOCKS, by W. L. Wadleigh, Jr. (31)

Six wooden 8-day movements are shown by: Eli Terry & Son, Seth Thomas, Atkins & Downs, Jeromes & Darrow, Eli Terry, Jr. & Co., & Henry Terry. Shows many different case styles.

102. A WATCH DISPLAY, by Dr. O. B. Frye (20)

Discusses the difficulties collectors have in displaying their watches. Shows the making of a display case & the foreign watches exhibited with it.

103. AMERICAN POCKET WATCH CASES & THEIR GUARANTEES, by Mike Kahane (38)

Brief history of watch case production & the content of each case. Shows how watch papers can help identify the watch & the gold content of the case.

104. WATCHES OF THE TAFT COLLECTION, by Chapter #23 (28)

48 watches dating from the 17th & 18th centuries. Main emphasis is on case decoration.

105. OHIO CLOCKS, 1981 MUSEUM EXHIBIT, by Chapter #23 (32)

Clocks dating from 1810-1850. Majority of the program deals with Luman Watson & his hollow column clocks & the well-known Columbus clock.

106. RESTORING LUX-KEEBLER PENDULETTES, by Jim & Jean West (21)

Instructions on repairing, making, cleaning, & finding parts to restore these clocks.

107. WESTERN REGIONAL EXHIBIT AT SAN MATEO, by Fred Buasch & Lloyd Porter (45)  
Exceptional & extensive exhibit of watches & clocks.

108. DR. SOBEK COLLECTION OF VIENNESE CLOCKS, by Lloyd Porter (35)  
Clocks from 1740-1900. Beautiful & unusual clocks of the Biedermeier period.

109. CLOCKS & WATCHES OF EUROPEAN MUSEUMS, by Dr. H. P. Holladay & Lloyd Porter (27)  
Rare, complicated, & beautiful clocks from three museums are shown: the Beyer collection, Zurich, Switzerland; the Kellenberger collection, Winterthur, Switzerland; the Abeler collection, Wuppertal, W. Germany.

110. TOWER CLOCKS OF AMERICA, by Dr. Joseph G. Baier (38)  
Views of movements as well as towers, & discussion of escapements. Good overview & general history of tower clocks & the companies that made them. Includes some anecdotes of his personal experiences exploring tower clocks.

111. THE SHELF CLOCK IN PA, THE BRACKET, by Carter Harris (21)  
Detailed history of the PA spring-driven table clocks compiled during the 1983 NAWCC Museum exhibit. Good photos of cases & movements.

112. THE SHELF CLOCK IN PA, THE WEIGHT-DRIVEN, by Carter Harris (60)  
The influence of Eli Terry's Connecticut shelf clock on the development & history of the PA weight-driven shelf styles. Detailed discussion of cases, dials, & movements of each clock presented.

113. AN INTRODUCTION TO THE HISTORY & PRODUCTS OF ILLINOIS WATCH CO., PT 1, 1870-1890, by Bill Meggers (30)  
The early, lean years of the company & the watches made before the influence of the railroads.

114. AN INTRODUCTION TO THE HISTORY & PRODUCTS OF ILLINOIS WATCH CO., PT 2, 1890-1933, by Bill Meggers (30)  
Emphasis on the railroad years of the Illinois Watch Co. & the hi-grade watches produced during this period.

115. WATCH & CLOCKMAKER FIGURINES, by Myrtie Simmons (17)

Description of small figurines of clockmakers made in various countries. One includes a real working clock. Figures are interesting for their detail & differences. Also includes a tiny clock shop made by Bill & Myrtie Simmons.

116. ELECTROMAGNETIC CLOCKS, by I. G. M. Cleator (42)

A comprehensive program covering the many electric clocks, their movements, actions, & makers from the earliest to present-day quartz.

117. THE JAQUET-DROZ MECHANICAL PUPPETS, by Henry J. Cole (8)

Child-size mechanical puppets. Shows their movements which allow them to draw, write, & play the piano.

118. PUBLIC CLOCKS OF EUROPE, by Gigi & Hap Holladay (40)

Clocks seen on European horological tours.

119. NEW HAMPSHIRE'S CLOCKS, by Carter Harris (58)

Clocks photographed & discussed are from the NAWCC Museum's sixth annual summer exhibit in 1984. A comprehensive presentation of New Hampshire's clockmaking from the hand-crafted period thru the period when it became cheaper to merely case mass-produced Connecticut movements.

120. TOOLING & TECHNIQUES IN CLOCKMAKING, by John P. Wikswo (32)

Shows how to make the different tools needed in clockmaking. A number of books have been published on How-to-Make different kinds of clocks, i.e., skeleton, musical, bracket, 8-day, etc. In this program, the making of the tools is explained.

121. THE EVOLUTION OF EARLY BATTERY DRIVEN CLOCKS, by Ted Bosschieter (40)

Discourse on the development of battery-driven pendulum clocks. There are diagrams & explanations of the different methods of early electrical timekeeping. Anyone interested in electrical timekeeping will find this program very informative.

122. MANUFACTURING PROCESSES FOR AMERICAN WOOD WORKS CLOCK MVTS., by George A. Bruno & Chapter #8 (40)

Pictures, diagrams & drawings are used to show the processes used in making wood works movements & the tools & machinery of this period. Steps in making the movements begin with the tree & end with the movement.

123. WONDERFUL WATCH HOLDERS, by Gigi Holladay (43)

Delightful program of rare & interesting watch holders that have been photographed & collected in eastern & western Europe & the United States.

124. IT'S ABOUT TIME, by Bryson Moore, Bob Hughes, & Chapter #31 (38)

Shows a display of clocks & watches from around the world. This display of rare, museum-quality clocks & watches was arranged in conjunction with the sixth NAWCC Seminar, held in Portland, Oregon, in October 1985. The exhibition was held at the Oregon Historical Society from September Thru November 1985.

125. FLORENCE KROEBER & HIS CLOCKS, by Chapter #23 (21)

Photographed display of the Southern Ohio Regional, held in the Spring of 1984. The historical data included is from a presentation by Chris Bailey given at one of the Seminars.

126. THE TECHNIQUES OF HAND-GRAINING, by Doris Westerholm & Bob Draucker (28)

The program presents the restoration of an early American clock in a step-by-step procedure. The hand-graining process is explained. The tools & products used while restoring a badly neglected clock case to a beautifully grained clock are shown & explained.

127. BUSHING WOOD MOVEMENTS WITH WOOD BUSHINGS, by Melville T. Farquhar & Bob Draucker (14)

Shows tools & procedures used in bushing wood works clocks.

128. WATCH JEWELS PAST TO PRESENT, by John S. Martin (43)

129. TOWER CLOCKS OF SOUTH CENTRAL TEXAS, by Jim West (21)

130. THE ENAMELING OF OUR MINI-CARRIAGE CLOCKS, by Jacques & Mary Deveau (32)

This is a very interesting step-by-step procedure of the enameling of mini-carriage clocks made by the Deveaus.

131. THE SONORA CHIME CLOCK, by Kirk Fallin & Chapter #98 (25)

This program shows & describes the different models of Sonora Chime clocks & explains how they differ from other conventional clocks of the period.

132. A HOROLOGICAL TOOL - THE LATHE, by Ozzie Nelson & Len Rutlin (17)

Two members get together, learn how to use a lathe & show how they made a banjo clock.

133. THE CANADA & HAMILTON CLOCK COMPANIES, by Jane Varkaris & Jim Connell (33)

An excellent program showing the many variations made by three Canadian clock companies during the 12 year period 1872-1884.

134. CLOCK CARTOONS, by Jim West (16)

A collection of amusing horological cartoons cut out of newspapers & magazines.

136. JOSEPH IVES CLOCK EXHIBIT, by Bob Hughes, Bob Schug, Bryson Moore, & Pacific-Northwest Chapter #31 (62)

This program shows the exhibit at the Northwest Regional in Portland, Oregon in February 1988. Clocks are shown with dials on & off. Commentary on the clocks & the different movements made by Ives for a number of clockmakers is extensively covered.

137. THE DEVELOPMENT OF EARLY AMERICAN CLOCKS, by W.L. Wadleigh (34)

This program is an excellent remake of one of Bill's early programs. New slides of clocks and movements that have been found and restored have been added to increase the value of this program. Bill also notes the prices of these rare clocks when sold new, as well as their value today.

138. SEVENTY-SIX YEARS OF ANSONIA CLOCKS, by Don Wells (30)

It has been said that there was never a type or style of clock that Ansonia didn't make and put a movement in. Don has included most of them in this program. It is a must-see, especially for collectors of Ansonia clocks.

139. HISTORICAL SIGNIFICANCE OF WHITE DIALS, by Bud Cowgill (29)

This program covers the period of time these beautiful dials were used in place of brass dials. There were many variations used on the chapter ring as to placement & time segments relative to period & maker.

140. EXTRACTS FROM A CLOCK RESTORER'S WORKBOOK, by Robert F. Barfoot (30)

This program is on the restoration of horological disasters to their former beauty. Mr. Barfoot illustrates the repair of a variety of pieces, describing methods & processes used in their restoration. It also covers the manufacture of parts not usually treated in the text books. Robert is a Craft Master of the British Horological Institute, & lives in Belfast Ireland.

141. SO YOU WANT TO DATE A CLOCK?, by Varne Kimmick (18)

This is an informative program to help beginners & those interested in sources for determining the date a particular clock was made. Equipment & procedures used to date clocks are discussed. Cartoons help to make this program amusing. The presentation is in two parts, one covering American clocks & the other foreign clocks, including a section on dating Vienna Regulators.

142. STYLE & HOROLOGY: INFLUENCE OF ARCHITECTURAL & FURNITURE STYLES ON CLOCK CASES, by Bob & Maryanne Schug, & Bryson Moore (32)

Excellent program showing architecture & furniture styles along with various clock cases that they might have influenced. This program was made from the very fine display at the 1990 Northwest Regional.

143. ARCHITECTURE IN HOROLOGY-THE CLASSICAL REVIVAL, by Dorothy Glenk Waldrip (42)

This program shows & explains how architectural periods & design have influenced the many types of clock cases.

144. WALTHAM WORKHORSE, by Al Stevens (26)

This program covers this large watch movement in detail & several variations of it, which was used in banjo clocks, car clocks, desk watches, travel clocks, & many mantel & shelf clocks. Many of these clocks & Waltham's advertising are shown.

145. ART DECO & ITS BACKGROUND, ART NOUVEAU, by John Lord (25)

This well-developed program explains how to recognize the difference between art deco & art nouveau in clock-case style, in ornaments & furniture. This program has been given at several chapter meetings & received favorable comments.

146. THE LUX KEEBLER PENDULETTE CIRCUS & THE DELUXE CLOCK COMPANY, by Bob Hughes, Chap. 31 (20)

Two programs are combined to make a short 20 minute program. The first is a whimsical approach to clock case design. It shows many of the pendulette clocks which feature birds, animals, houses, & comical figures. The second features clocks of the Deluxe Clock Co. which was formed to make other types of clocks. Many were made of pressed wood & of the Art Deco & Art Nouveau design. Most of the clocks were larger than the Pendulettes & some had similar figures.

147. WEBB C. BALL, HIS WATCHES & CLOCKS, by James Hernick (18)

This is an excellent program of the watches & clocks that were made for the Ball Co., established 1865, to meet railroad specifications. The very fine photography, in excellent detail, shows on the movements & dials Ball's famous trademark "Official RR Standard." Also shown on the movements & dials are abbreviations of "Brotherhood of Locomotive Engineers," "Brotherhood of Railway Trainmen," "Order of Railway Conductors," & others. Ball's watches & clocks were made for him by the finest watch & clock makers of the period.

148. TOWER CLOCK EXHIBIT OF THE BUFFALO NATIONAL CONVENTION, by Jim West (16)

Shows the many fine tower & street clock movements that were on display at the Convention. They had been excellently restored. To have had so many in one location made this display most unusual.

149. METAL STATUE & FIGURE REPAIR, by Bruce Clarke (26)

This program shows how repairs on metal figures & statues can be accomplished. It shows the materials needed & some special tooling used to repair several metal types, i.e., white metal, bronze, cast iron & lead. Some figures are shown in a rough condition as well as completely restored. The use of epoxy brazing & soldering are used for repair.

150. THE SOUTH BEND WATCH STORY, by O.B. Frye (42)

History of the South Bend Watch Co. & the involvement of the Studebaker family in its organization. The company name was later changed to Studebaker. There are many pictures of movements, dials & cases. Included are anecdotes concerning the successes & failures of the company as well as individuals.

151. GERMAN CLOCK ROAD, by Hans Krauss ( )

152. THE NAWCC LIBRARY: A HOROLOGICAL TREASURE, by Eileen Doudna, NAWCC Librarian (22)

A brief history of the Library from its beginnings in 1947 is given; services offered to members are reviewed and highlights of the materials in the Reference and Research collection are shown and briefly discussed. Members will gain a greater understanding of the Library and its services from this program.

153. ENAMELED TIMEPIECES - HISTORY & PROCESSES, by Lawrence Fanshaw (29)

A brief history & explanation of the art of decorative enameling, featuring many photos of enameled watches & clocks.



154. THE ILLINOIS WRISTWATCH, by Phil Harnage & Chapter #75 (18)

While containing a large amount of detailed information for the collector, this program is an entertaining showing of many of the case and dial designs used by the Illinois Watch Company from the 1910's to the 1930's.

155. TIME BEFORE MECHANICAL CLOCKS, by Varne Kimmick (15)

This short program gives a good review of many of the devices used to tell time, before the invention of the geared mechanical clocks.

156. THE MISSION MYTH – MISSION WALL CLOCKS, 2 PARTS, by Jim West (50)

Part 1 explains the real origins of this style of clock & demonstrates with many drawings & photos. Part 2 demonstrates & identifies mission wall clocks made by major American manufacturers & assemblers.

157. EARLY AMERICAN BALANCE WHEEL CLOCKS-THE MARINE CLOCK MFG CO, by Doug Cowan (25)

Traces the history & clocks of the first American company to mass produce balance wheel clocks. These were the precursors of the alarm & carriage clocks introduced later in the 19th century.

158. TIFFANY NEVER-WIND CLOCKS, by Jay McAlister & Roy Crowe (30)

Begins with very brief capsule history of Tiffany designed clocks followed by intro to operating principals of Tiffany's designs & explanation of what is necessary to implement these principles. Several illustrations of various case styles using both movement designs are presented with many technical & cosmetic details pointed out. With use of close-up photos & detailed diagrams, functioning both double & single contact designs are explained in detail. Many hints & suggestions on restoration, operation & repair of these clocks are presented.

159. ENGLISH BRACKET CLOCKS, by Dennis Radage (45)

Dennis uses his personal collection to provide a Tour-de-Force of English Bracket Clocks including cases, decoration, dials, gilding, spandrels, casting, hands, movements & makers. Slides are the highest quality. Must see classic presentation.