vincent h. bernard signal Collection

Title: Vincent H. Bernard Signaling Collection

Creator: Vincent H. Bernard (1928-2015).

Born in Lawrence on July 18, 1928, Vin Bernard was the son of the late Henry J. and Agnes (Buote) Bernard. He was a resident of Lawrence for many years and relocated to Haverhill when he got married. He was a graduate of Central Catholic High School in Lawrence and Northeastern University where he received his Bachelor’s Degree in Electrical Engineering. He was a U.S. Army veteran and was stationed in Germany while he was enlisted. He worked as an electrical engineer for many years at the Portsmouth Naval Shipyard until his retirement. Vin was an accomplished pianist in his younger years and for as long as his family can remember he was an avid railroad hobbyist. His special interest was railroad signals and signal systems. He was the husband of the late Maureen H. (Sullivan) Bernard who died in 2008. Vin died December 22, 2015 in Haverhill.

Date of Donation: June 9, 2016

Donor: Creator’s estate, courtesy of Jane Cadarette, Mr. Bernard’s sister

Physical Description: Approximately 8 linear feet housed in a four-drawer legal size file cabinet

Location of Collection: North Chelmsford

Catalog Number of Collection: 2016.29.0

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*Inventory Prepared by Mal Sockol, Eric DiVirgilio, and Steve Butterworth, B&MRRHS Archives Volunteers*

Drawer One

1) B&MRR Southern Division

2) Portland Line (E.) General

3) Portland Line (W.) General

4) Boston Area: Early Towers “A” 1894 1914

A) Boston Area 2nd Tower “A” 1914

B) Boston Area 1st Tower “A” 1894

5) Tower “A” – 1931

A) 3rd Tower “A” 1931 (track diagram)

B) 3rd Tower “A” 1931 (history note sketch)

6) Boston Area – Tower “B” 1894 1st, 1905 2nd, 1927 3rd

7) Boston Area – Tower “C” (FX)

A) Tower “C” (FX) – 1894 Johnson Mechanical (1st “C”)

B) Tower “C” (1894-1919) Masters

C) Tower “C” (FX) – USS&S e-p (2nd “C”)

D) Tower “C” 1934 (3rd “C”) History and Miscellaneous DB 7&8

E) Tower “C” 1934 (3rd “C”) Notes, Aspects, Studies.

F) Tower “C” 1934 (3rd “C”) “R” plans, “Z” plans.

G) Tower “C” 1934 (3rd “C”) Aspects: V series plan, flow chart plans, N series plans

8) Boston Area – Tower “D” East Somerville c1896 1st, 1902 2nd

9) Boston Area – Tower “E” (“JC”) Medford Jct. 1902

10) Boston Area – Tower “F” East Cambridge 1905

11) Boston Area M1 Mystic Tower

12) Boston Area – Tower “H” (“SA”)

A) Tower “H” (“SA”) Pre 1900 (1st) 1906 (2nd)

B) Tower “H” (“SA”) ca 1927/1928 History Miscellaneous

C) Tower “H” (“SA”) ca 1927/1928 V, N, R plans

13) Boston Area – Washington St. 1890

14) Boston Area – Tower “X” (replaces G and M1)

A) Tower “X” 1971 Signal aspects

B) Tower “X” 1971 History “N” plans – Misc.

15) Ayer, Mass. “AY” Tower 1906/1907

16) Ayer, Mass. Tower “G”

A) Ayer Tower 1928 (History, “Z” Plans, Notes, Studies)

B) Ayer Tower 1917 Small Tower

C) Ayer Tower 1928 “R”, “N” Plans; “V” Charts

17) Baldwinville, Mass. “BV” Tower Pre 1900

18) Beverly, Mass. “BI” Tower ca 1897

19) Biddeford, Me. “AR” Tower/CTC

A) Biddeford, Me. CTC – 1932

B) Biddeford, Me. CTC – 1932, “AR” CTC & Biddeford, Me. E-M 1928 “AR” Local

20) Claremont Jct., N.H. “CM” station 1928

21) Clinton Jct. – Tower

22) Concord, Mass. – Tower O-366 (NH RR) 5-1884 “West Concord”

23) Concord, N.H. “CO” Tower

24) Concord – WRJ N.H./Vt. 1958 CTC

25) Crescent, N.Y. “QS” Tower (D&H RR owned)

26) Dover, N.H. “OT” Tower

A) “R”, “N”, “V” Plans, Studies

B) Dover Tower – 1929 History, Notes

27) Dover – Rigby N.H./Me. 1945 CTC

A) Dover CTC 1945 “V” & “N” Plans, Flow diagram

B) 1945 Rollinsford – Rigby CTC (as installed)

28) Dover – Rockingham, N.H. CTC (start) 1960

A) Single tracking “R” Plans various and “V” Plans complete set

29) East Deerfield, Mass. “WX” Tower

A) CTC 1931 “R”, “N”, Yard & “V” Plans

B) CTC 1931 History/Misc.

30) Everett Jct., Mass. “NA” Tower ca 1895 1st, 1909 2nd

31) Fitchburg, Mass. “BX” 1931 CTC

A) Tower P-376 (NHRR) 1883 [predecessor to “BX” CTC 1931]

B) History, notes CTC 1931

C) CTC 1931 “R” Plans

D) CTC 1931 “V”, “N” Sheets; flow diagrams

32) Gardner, Mass. “DI” 1931 CTC

A) “V”, “N” Plans; flow diagrams

B) “R” Plans

C) History, Notes, Pix

D) “DI” Tower 1913

33) Greenfield, Mass. 1931 CTC “DS”

A) “V”, “N” Sheets; aspect color

B) History, Notes, Studies

34) Greenfield, Mass. West End CTC 1962

A) CTC 1962 w/ Gardner Ext B) “West End Dispatcher”, “R”, “N”, “V” Plans

35) Hoosac Tunnel “NY” Tower – East Portal 1911

36) Hoosac Tunnel “WO” Tower – West Portal 1911

37) Johnsonville, N.Y. “JV” Tower/CTC

A) “JV” Tower 1-30-1931

B) “JV” Tower 1908/1909

38) Lawrence, Mass. “FA” & “OK” Towers

A) Pre interlocking track ball signals & tower

B) “JK” Tower 1931

C) “FA” Tower (earlier “DO”) 8-1915

D) New psgr station 1931

Drawer Two

39) Lowell, Mass. “BO” CTC 1948

A) Flow diagram, aspect sheets

B) Notes, studies

C) History

D) Line Plans “N” & “R” series

E) Aspect sheets; “V” series

40) Lowell, Mass. Early Towers “HS” – Hale St. – 1901, “JO” – Lowell – 1881, “BO” – Bleachery – 1900

41) Lowell Jct., Mass. “JA” Tower

42) Lynn, Mass. “GS” Tower

43) Manchester, N.H. “MA” 1944 CTC

A) “N”, “R” Plans

B) “MA” Tower – 1898, “MR” Tower – 1898, “MD” x-ing

C) “CD” Tower – 1898, Concord, N.H.

D) History, Notes

44) Mechanicville, N.Y. “XO” Tower (D&H RR owned) [folder empty]

45) Mechanicville W-NY B&M trailer interlocking

46) Mechanicville, N.Y. “WY” Tower (D&H RR)

47) B&M Miscellaneous interlockings

48) Montvale, Mass. “JM” Tower 5-1897

49) Nashua, N.H. interlocking

50) Newburyport, Mass. “NY” Tower 11-1916

51) Newton Jct., N.H. “QM” Tower 1930

52) North Adams, Mass. “NA” Tower 1947 CTC

A) History, Notes

B) CTC 1946 “R”, “N”, “V” Plans

C) CTC 1946 Studies

53) Northampton, Mass. “NO” Tower 1896

54) North Berwick, Me. “BT” Tower 6-1898

55) North Billerica, Mass. Tower – 1898; unattended – 1944

56) North Cambridge, Mass. “AU” Tower

57) North Chelmsford, Mass. “NS” Tower

58) Northey Point “NP” Tower (Salem, Mass. 1892)

59) Northfield, Mass. Tower 1931 (East Northfield)

60) Petersburgh Jct., N.Y. “PI” Tower

61) Portland, Me. Tower 1 (PTC)

A) Rigby Yard South – 1896 Tower

B) 1945 Tower

62) Portland, Me. Towers 2-3-4-5 (PTC)

A) Brighton Ave., Portland, Me. (PTC)

B) Passenger station, Portland, Me.

C) Tower 3 – Mountain Jct. on Fore River Bridge

D) Tower 4 Danforth Jct.

E) Tower 2 North End Rigby Yard

63) Portland, Me. Tower “PT” (PTC)

64) Portland, Me. Tower “X” (PTC)

65) Revere, Mass. “BH” Tower ca 1895

66) Rockingham Jct., N.H. “SK” Tower 1930

67) Salem, Mass. “SA” Tower “CTC”

A) Danvers Branch

B) Gloucester Branch

C) “R”, “N”, “V” Plans

D) 1928 electro-mechanical; 1950 all relay

E) East and West End Towers Salem Tunnel 1889

68) Shelburne Jct., Mass. “CB” Tower 1892

69) Somerville Jct., Mass. “SC” Tower 2-1893

70) South Acton, Mass. Tower pre-1900

71) Springfield, Mass. Early Towers S-1, S-2. “WA” Tower

72) Swampscott, Mass. “SR” Tower 9-1895

73) Troy, N.Y. – T.U.R.R. (NYC, D&H, B&M)

74) Wakefield Jct., Mass. “WQ” 1st 1891, “WN” 2nd 1930

75) Waltham, Mass. “OD” Tower

A) “OD Tower 10-1893

B) 1930/1934 History, Notes

C) 1930/1934 “V” “N” Plans; flow diagrams

76) Wamesit, Mass. “WX” Tower ca 1896 (Tewksbury)

77) West Cambridge, Mass. “WJ” Tower ca 1892 1st; ca 1901 2nd

78) West Lynn, Mass. “WY” Tower ca 1896

79) West Medford, Mass. Tower ca 1896

80) White River Jct., Vt (APB System)

A) Special APB System, “R” Plans

B) Special APB System Aspect Study, “V” Plans

81) Wilmington, Mass. “WF” Tower (No. Woburn Jct.)

82) Wilmington, Mass. “WN” Tower ca 1880

83) Wilmington Jct., Mass. Tower “U” ca 1885

84) Winchester, Mass. “Q” 1930 CTC

A) Tower “Q” 1885

B) Temp arrgts. 1957 grade separation

C) “N”, “V”, “R” Line Plans

D) History, Misc.

85) Woodsville, N.H. “XO” Tower 1898

86) Worcester, Mass. “BA” (Barber) Tower ca 1911

87) Worcester, Mass. “MB” (Millbrook Yard) Tower ca 1908

88) Worcester, Mass. “RD” Garden St./Exchange St.

89) [Folder not marked]

A) 1937 B&M Characteristic Charts

90) [Folder not marked]

A) Misc. B&M general material

91) Automatic/unattended small facilities B&MRR

Drawer Three

92) Signaling (ICC involvement)

93) Signaling (Hazwell Correspondence 1989-90)

94) Signaling (Horgan List of Dates)

95) Signaling (Rwy Signal Engr Annual Installation Lists). B&MRR Signaling Misc. Material

96) B&MRR Conn. River Line: General

A) Signaling: Misc. correspondence

B) WRJ – Wells River

C) Conn. River: Misc. loose articles, papers

97) B&MRR Fitchburg Line: General – various diagrams, layouts, correspondence, related to signaling and track layouts along division – including Hoosac Tunnel

98) B&MRR New Hampshire: General -Track diagrams, correspondence, signal systems.

99) Guilford Boston West Dispatcher – 1980s era – Layouts, bulletins, signal systems

100) Guilford: Conn. River Dispatcher - 1980s era – Layouts, bulletins, signal systems

101) Guilford East End Dispatcher – 1980s era

A) East End CTC dispatcher, North Billerica, Mass. – Track diagrams “N” plans, “R” sketches

B) Signal aspects. Tabulated chart styles

C) Miscellaneous – console diagrams, bulletin orders, pix

102) Guilford Gardner Dispatcher – 1980s era – Diagrams, signal aspects, bulletins

103) Guilford West End Dispatcher - 1980s era

A) West End CTC dispatcher – 1962 No. Billerica (History, “N” Plans

B) West End CTC dispatcher – 1962: Aspects

C) West End CTC dispatcher – 1962: “R” Plans

104) Guilford Current Material – 1990s era

A) Freight Main Line Track Charts: 3 charts, viz. Springfield Term-B&M Corp.-MEC RR (2); Conn. River-Northern-Worcester (1).

B) Timetable booklet

105) Amtrak Boston North Lines (MBTA)

A) MBTA Aspect chart East Route Main Line

B) MBTA Aspect chart North Station

C) Various track layouts – diagrams – misc. aspects

106) Amtrak Boston South Lines (MBTA)

A) MBTA Aspect chart South Station

B) Bulletins: Northeast Corridor

107) Amtrak N.E. Corridor

A) Amtrak – N.E. Corridor (Main Line: NYC to Wash, D.C.)

B) Amtrak – N. E. Corridor (Aspect sequences: studies, notes)

108) Amtrak Interlocking plan books

109) Boston & Albany RR Towers. Conrail Boston & Albany Line

Drawer Four

110) D&H Signaling – Misc. Locations

111) D&H Signaling – 1937 CTC Albany – Warevliet

112) France (SCNF)

113) LAUPT Terminal Tower 1939 (Macy St.)

114) LAUPT Dayton Ave. Tower (SD)

115) LAUPT Mission Tower a/o 1939 (ATSF)

116) Maine Central RR. Signaling. Various Locations

117) Boston Elevated Railway/Metropolitan Transit Authority (Boston). Towers

118) MBTA Design projects. Reviews

119) Netherlands RR

120) NYC RR. Pre-electrification towers. GCT.

121) NYC RR Electrification (1911) era Towers “U”, “A”, “B”, “C”, “F”. Gen. mat’l.

122) NYC RR – Mott Haven. Yard Tower 1

123) NYC RR – Mott Haven. Pre-1930 towers

124) Studies/Masters for “MO” interlocking aspects EQ ca. 1860

125) NYC RR Electrification (1911) era towers “U”, “A”, “B”, “C,” “F”, etc.

126) Metro-North “Super Tower” at GCT replacing “U”, “A”, “B”, “C,” “F”, MO, “DV”, “JO”

127) NYC RR Harlem Line “TO” to “VERN” (NH Line)

128) NYC RR Hudson Line thru “DV”. Towers “SK”, “BN”

129) NYC RR North of “MO” Tower to “JO”, “VO”, “NW”

130) NYC RR Mott Haven elec. era (1911) Tower “MO” 1930 tower

131) NYC RR Berea, OH

132) NYNH&H RR Towers

133) NE Corridor – PRR Penn. Sta. NYC area (old material)

134) NE Corridor – PRR Baltimore area (old material)

135) NE Corridor – PRR Philadelphia area (old material)

136) NE Corridor – PRR Trenton area (old material)

137) Pennsylvania RR. NE Corridor. Older material

138) PRR Altoona – local area. East end and middle

139) PRR Altoona – local area. West end

140) PRR Gallitzin – Horseshoe Curve area AR, UN, SF, BF, MD, SO interlockings

141) PRR Harrisburg area. Interlockings “STATE”, “HARRIS”, “DAY”

142) PRR Pittsburgh area. Interlockings BU, UF, US, PH, FW

143) PRR. Misc. material

144) PRR. Other locations

145) SEPTA Philadelphia area

146) Miscellaneous lines and locations

147) Chicago & Western Indiana RR. State Line Tower – Largest US Machine

148) Southern Pacific RR – 16th Street Tower. Oakland, Cal. (station)

149) Southern Pacific RR – ELVAS Tower – Sacramento, Cal. area

150) Reading RR