

month from September to May, inclusive, at 710 Terry Building, Roanoke, at 5 p. m.

**Association of Railway Superintendents of Bridges & Buildings.**—The annual convention will be held Oct. 17, in Detroit, Mich. S. F. Patterson, Secretary, Concord, N. H.

**Boston Society of Civil Engineers.**—Meets at 715 Tremont Temple, Boston, on the third Wednesday in each month at 7.30 p. m.

**Canadian Roadmasters' Association.**—The annual convention will be held at Toronto, Sept. 20. J. Drinkwater, Secretary, Winchester, Ont.

**Canadian Society of Civil Engineers.**—Meets at its rooms, 112 Mansfield street, Montreal, P. Q., every alternate Thursday at 8 p. m.

**Central Railway Club.**—Meets at the Hotel Iroquois, Buffalo, N. Y., on the second Friday of January, March, May, September and November, at 2 p. m.

**Chicago Electrical Association.**—Meets at Room 1737, Monadnock Building, Chicago, on the first and third Fridays of each month at 8 p. m. J. R. Cravath, Secretary.

**Civil Engineers' Club of Cleveland.**—Meets in the Case Library Building, Cleveland, O., on the second Tuesday in each month at 8 p. m. Semi-monthly meetings are held on the fourth Tuesday of each month.

**Civil Engineers' Society of St. Paul.**—Meets on the first Monday of each month except June, July, August and September.

**Denver Society of Civil Engineers.**—Meets at 3 Jacobson Block, Denver, Col., on the second Tuesday of each month, except during July and August.

**Eastern Maintenance of Way Association.**—The annual convention will be held Sept. 26 to 29 at Portland, Me. F. C. Stowell, Ware, Mass., Secretary.

**Engineers' Club of Cincinnati.**—Meets at the rooms of the Literary Club, 25 East Eighth street, on the third Tuesday of each month, excepting July and August, at 6.30 p. m.

**Engineers' Club of Columbus, (O.)**—Meets at 12½ North High street on the first and third Saturdays from September to June.

**Engineers' Club of Minneapolis.**—Meets in the Public Library Building, Minneapolis, Minn., on the first Thursday in each month.

**Engineers' Club of St. Louis.**—Meets in the Missouri Historical Society Building, corner Sixteenth street and Lucas place, St. Louis, on the first and third Wednesdays in each month.

**Engineers' Society of Western New York.**—Holds regular meetings on the first Monday in each month, except in the months of July and August, at the Buffalo Library Building.

**Engineers' Society of Western Pennsylvania.**—Meets at 410 Penn avenue, Pittsburg, Pa., on the third Tuesday in each month, at 7.30 p. m.

**Locomotive Foremen's Club.**—Meets every second Tuesday in the club room of the Correspondence School of Locomotive Engineers and Firemen, 335 Dearborn street, Chicago.

**Master Car & Locomotive Painters' Association.**—The annual convention will be held Sept. 12 at Philadelphia, Pa. Robert McKeon, Secretary, Kent, O.

**Montana Society of Civil Engineers.**—Meets at Helena, Mont., on the third Saturday in each month at 7.30 p. m.

**New England Railroad Club.**—Meets at Pierce Hall, Copley Square, Boston, Mass., on the second Tuesday of each month.

**New York Railroad Club.**—Meets at 12 West Thirty-first street, New York City, on the third Thursday in each month at 8 p. m., excepting June, July and August.

**Northwest Railway Club.**—Meets on the first Tuesday after the second Monday in each month at 8 p. m., the place of meeting alternating between the West Hotel, Minneapolis, and the Ryan Hotel, St. Paul.

**Northwestern Track and Bridge Association.**—Meets at the St. Paul Union Station on the Friday following the second Wednesday of March, June, September and December, at 2.30 p. m.

**Roadmasters' Association of America.**—The annual convention will be held in Detroit, Mich., Sept. 12. J. B. Dickson, Secretary, Sterling Ill.

**St. Louis Railway Club.**—Holds its regular meeting on the second Friday of each month at 3 p. m.

**Southern and Southwestern Railway Club.**—Meets at the Kimball House, Atlanta, Ga., on the second Thursday in January, April, August and November.

**Technical Society of the Pacific Coast.**—Meets at its rooms in the Academy of Sciences Building, 819 Market street, San Francisco, Cal., on the first Friday in each month, at 8 p. m.

**Traveling Engineers' Association.**—The annual convention will be held in Cincinnati, O., Sept. 12. W. O. Thompson, Secretary, Elkhart, Ind.

**Western Foundrymen's Association.**—Meets in the Great Northern Hotel, Chicago, on the third Wednesday of each month. A. Sorge, Jr., 1533 Marquette Building, Chicago, is Secretary.

#### New York Railroad Club.

The next regular meeting of the New York Railroad Club will be held Sept. 21 at the rooms of the New York Transportation Club, Forty-second street and Madison avenue.

#### St. Louis Railway Club.

Through the courtesy of the Wiggins Ferry Company, the members of the St. Louis Railway Club and their families went on a moonlight trip on the Mississippi River July 18, on the steamer "Andrew Christy."

#### Southern and Southwestern Railway Club.

The next regular meeting of the Southern and Southwestern Railway Club will be held at the Kimball House, Atlanta, Ga., at 10 a. m. on Tuesday, August 10. The following subjects will be discussed: "The M. C. B. Interchange Rules—Review of the Work at the M. C. B. Convention;" "Durability of Different Colors of Paint for Passenger and Freight Equipment in the South," by Messrs. T. S. Lloyd, W. L. Tracy and John S. Cook; and "Pneumatic Cleaning Plants for Passenger Equipment," by Messrs. W. L. Tracy, P. Leeds and J. Cullen. A committee consisting of Messrs. W. E. Symons, R. H. Johnson and T. S. Lloyd will report on "Electric Lighting for Passenger Cars."

#### Engineers' Club of Cincinnati.

The 107th regular meeting of the club was held in the rooms of the Literary Club, 25 E. 8th St. on June 15th. Dinner was served at 6:15 P. M. and the regular meeting called to order at 7:10 P. M. with 18 members and 3 visitors present.

Mr. W. B. Ruggles, now at Matanzas, Cuba, presented the Club, through Mr. R. L. Read, a gavel made from wood taken from the Santa Christina Barracks at Matanzas, which was built some fifty or more years ago.

Dr. Thomas Evans, Instructor in Technical Chemistry at the University of Cincinnati, read a paper on "Fuel Gas," devoted principally to discussions and descriptions of processes for the manufacture of fuel gas for use in metallurgical works.

Mr. L. E. Bogen read a paper under the title of "Testing Iron and Steel," in which he reviewed what has been accomplished in determining the quality of these metals by microscopical inspection.

The club adjourned to meet again on the regular meeting night in September.

#### International Association for Testing Materials.

The second annual meeting of the American section of the Association will be held Tuesday and Wednesday, Aug. 15 and 16, at Pittsburgh, Pa. The hotel headquarters will be at the Monongahela House and the sessions will be held in the rooms of the Engineers' Society of Western Pennsylvania. The meeting opens with a business session at 10.30 on Tuesday. In the afternoon, an inspection trip will be made to the Edgar Thompson Steel Works, and at 6.30 there will be an informal dinner at the Monongahela House. At the evening session there will be an address by the Chairman, a preliminary report of the American members of the International Committees on Standard Specifications and Methods of Testing Iron and Steel, and a discussion on Standard Specifications for Iron and Steel.

At the session Wednesday morning, preliminary reports will be presented of the American members of the international committees on cement, stone and paints. A preliminary report will be presented by the Committee on Impact Tests, and a paper read on Comparison of Steel Plates in Flexure and Tension, by Prof. William K. Hatt. In the afternoon opportunity will be given for visiting the works of the Westinghouse Electric & Mfg. Company and other industrial works. In the Technical column this week will be found a reference to some special work undertaken by Committee No. 5 of the American section.

#### PERSONAL

(For other personal mention see Elections and Appointments.)

—Mr. Charles J. Pusey, President and General Manager of the Irondele, Bancroft & Ottawa R.R., died at Peterborough, Ont., July 16. Mr. Pusey was born in Chester County, Pa., in 1837.

—Mr. William H. Stearns, late Master Mechanic of the Connecticut River road, died at his home in Springfield, Mass., July 14, at the age of 77. Mr. Stearns was Master Mechanic of the Connecticut River road from 1872 until the road was leased to the Boston & Maine in 1895. He was for many years a locomotive runner and a foreman on the Boston & Albany and its predecessor, the Western Railroad, where he began service with Wilson Eddy about 1841.

—Mr. Russell Farnham Lord, a civil and mining engineer, died in New York, July 12, at the age of sixty-one years. Mr. Lord was the son of Russell F. Lord, Sr., for many years engineer to the Delaware & Hudson Canal Company. He was graduated from the Sheffield Scientific School. He also served the Delaware & Hudson as engineer. When the civil war broke out he was commissioned brigadier general of volunteers by Governor Curtin of Pennsylvania, and served through the war in mustering and organizing regiments. Then he went West, to take up mining engineering. In 1886 Mr. Lord became engineer to the government of Salvador. Six years later he was sent to Ecuador to develop the mining property of the Playa de Oro Company. In 1897, because of failing health, Mr. Lord returned to New York.

#### ELECTIONS AND APPOINTMENTS.

**Boston & Maine.**—William R. Mooney, heretofore Trainmaster at Concord, N. H., has been appointed Superintendent of the Concord Division, succeeding H. E. Chamberlin, resigned.

**Buffalo, Rochester & Pittsburgh.**—George F. Merchant, heretofore assistant to the President, has been appointed General Superintendent.

**Canadian Pacific.**—Charles Drinkwater, Secretary, has been appointed Assistant to President T. G. Shaughnessy. R. G. Heward, for several years Assistant to Sir William C. Van Horne, has been appointed Assistant to Mr. Drinkwater.

Herbert Carter has been appointed General Passenger Agent at Hong Kong, China.

**Chicago, Burlington & Quincy.**—L. W. Berry has been appointed Superintendent of the St. Louis Division, succeeding W. G. Besler, resigned. Effective July 22. R. M. Kimber has been appointed Assistant Superintendent of the Galesburg Division. Effective Aug. 1.

**Chicago, Rock Island & Pacific.**—W. J. Leahy has been appointed General Eastern Passenger Agent, with headquarters at 305 Broadway, New York, succeeding Chas. Kennedy, transferred. Hal. S. Ray has been appointed Passenger Agent Middle District, with headquarters at 111 South Ninth St., Philadelphia, Pa., succeeding W. J. Leahy. Effective July 10.

**Copper Range.**—George W. Taylor, formerly Master Mechanic of the Wisconsin, Michigan & Northern, has been appointed Master Mechanic of the C. R., with headquarters at Houghton, Mich. A. A. McFall has not been appointed Superintendent of the C. R., as stated July 7, p. 498.

**Elkton & Middletown.**—At a meeting of the stockholders C. B. Finley and L. M. Haines of Elkton were elected Directors, succeeding John P. Green and George V. Massey, resigned.

**Fitchburg.**—J. R. Watson, General Passenger Agent, with headquarters at Boston, Mass., has resigned.

**Gainesville & Gulf.**—At a meeting of the stockholders, held July 12, W. C. Shaw, J. M. Johnston and J. J. Barr, were elected Directors.

**Great Northern.**—J. McGie, heretofore Master Mechanic of the Montana Division of the G. N., has

been appointed Master Mechanic of the Montana Central Ry., a subordinate line of the G. N.

**Green Bay & Western.**—At a meeting of the stockholders, W. W. Cargill was elected Vice-President and J. C. Thurman was elected a Director.

**Intercolonial.**—The duties of the Engineer's Department have been divided and W. B. Mackenzie, heretofore Chief Engineer of Construction and Maintenance of Way, has been appointed Chief Engineer of Construction, and T. C. Burpee, heretofore Assistant Engineer, has been appointed Engineer of Maintenance of Ways and Works.

**Keweenaw, Green Bay & Western.**—At a meeting of the stockholders, J. C. Thurman was elected Director.

**Lake Region, Manatee River & Gulf.**—The officers of this company, referred to in the Construction column, are: President, Augustus Tremaine; Vice-President and General Manager, W. B. Tucker; Treasurer, A. McCollum; Secretary, C. G. Butt. The principal office is Orlando, Fla.

**Minnesota Transfer.**—L. F. Day, General Manager of the Minneapolis & St. Louis, has been elected President of the M. T.

**Missouri Pacific.**—J. T. Stafford has been appointed Acting Division Master Mechanic, with headquarters at Baring Cross, Ark.

**Muscataine North & South.**—J. A. Nelson of Minneapolis, Minn., has been appointed General Manager.

**Nashville, Chattanooga & St. Louis.**—Chas. W. Stevenson has been appointed Assistant Auditor of Receipts, succeeding C. F. Frizzell, resigned.

**New York Central & Hudson River.**—James Buchanan of West Albany, N. Y., and G. H. Haselton of Depew, N. Y., heretofore Assistant Superintendents of Motive Power, have been appointed Division Superintendents of Motive Power. P. T. Longergan, heretofore Master Mechanic, has been appointed Division Superintendent of Motive Power on the Rome, Watertown & Ogdensburg Division. The jurisdiction of James Macbeth, Master Car Builder at East Buffalo, N. Y., has been extended over the entire Western Division. The office of Master Car Builder at Rochester, N. Y., has been abolished. The jurisdiction of F. W. Chaffee, Master Car Builder at West Albany, N. Y., has been extended over the Middle Division, and the jurisdiction of S. T. Case has been extended over the Hudson Division. The headquarters of George Thompson, Division Superintendent of Motive Power, has been transferred from Jersey Shore, Pa., to Corning N. Y.

**Norfolk & Western.**—James C. Cassell has been appointed General Superintendent, with headquarters at Roanoke, Va., succeeding L. E. Johnson. Effective July 15. (July 14, p. 514.)

J. W. Cook, heretofore Superintendent of the Shenandoah Valley Division, has been transferred to the Radford Division. Theodore Low, heretofore Superintendent of the Durham Division, has been transferred to the Shenandoah Valley Division, succeeding J. W. Cook. The Durham and Norfolk Divisions have been consolidated in charge of Edmund L. DuBarry, Superintendent.

**Northern Pacific.**—John S. Kennedy has been elected a Director, succeeding John G. Moore, deceased.

**Philadelphia & Reading.**—A. M. Willson, Division Superintendent at Reading, Pa., has been transferred to the Reading & Columbia Division, succeeding O. S. Doolittle, resigned. W. G. Besler, heretofore Division Superintendent of the Chicago, Burlington & Quincy at Beardstown, Ill., has been appointed Division Superintendent of the P. & R., with headquarters at Reading, Pa., succeeding Mr. Willson.

**Pittsburgh & Lake Erie.**—E. C. Brown has been appointed Principal Assistant Engineer, with headquarters at Greenville, Pa.

**Red River & Southwestern.**—The officers of this company, referred to in the Construction column, are: President, W. B. Worsham; Vice-President and Treasurer, W. H. Featherstone; Secretary and General Manager, E. B. Carver. The central office is Henriette, Tex.

**Rochester & Lake Ontario.**—At the annual meeting of the stockholders William Purcell, A. Yost and Francis B. B. Mitchell were elected Directors.

**Southern.**—A. J. Frazer, Division Superintendent at Birmingham, Ala., has been transferred to the Atlanta Division, succeeding W. A. Vaughan. C. S. Hayden, heretofore Trainmaster, has been appointed Assistant to Mr. Frazer. C. L. Ewing, Division Superintendent at Selma, Ala., has been transferred to the Birmingham Division, succeeding Mr. Frazer.

#### RAILROAD CONSTRUCTION, New Incorporations, Surveys, Etc.

**ASHLAND & WOOSTER.**—Trains are reported running between Jeromeville, O., and Ashland at the western terminus of the road, and the line is completed to a point near West Lebanon. The line as projected is from Jewett, O., through Stark County, 52 miles to Ashland. H. B. Camp of Akron, O., is President and General Manager. (Jan. 6, p. 15.)

**ATLANTIC COAST LINE.**—Grading is just begun with 300 convicts on the southeastern extension from Ashpole, N. C. (now Union City), southeast 10½ miles to Boardman (formerly Hub). N. G. Wade of Ashpole has the contract. The maximum grades are 0.6%, and the maximum curves 3°. There will be one bridge over the Lumber River and one mile of trestle work. (July 7, p. 499.)

**BARCLAY.**—I. O. Blight, Superintendent, is reported as stating that the company is ready to begin work within ten days to build the road from Cedar Lodge to Towanda. But it seems that the Bradford Central is loth to surrender the right of way to the Barclay Company. Secretary Sawyer of the Central Company has called a meeting of the directors to decide whether to build or not to build the proposed road, or allow others to take hold of the project. (Feb. 10, p. 107.)

**BAY & COAST.**—This company, whose incorporation on June 27 has been already noted (July 7, p.