NEWS BRIEFS

• GULF, MOBILE & OHIO has received ICC approval to install a traffic control system on one main track replacing automatic block signaling on two main tracks between Plainview and Godfrey, Ill. Certain portions of second main track will be removed and other portions will be retained as sidings.

• NATIONAL CAPITOL COMMISSION OF CANADA has ordered traffic control equipment from General Railway Signal Co., for installation in the new Ottawa terminal area. A Traffic Master console in the new passenger depot will provide terminal control for both Canadian National and Canadian Pacific railways. Type J and type K2 code control systems will be used.

• CHICAGO & WESTERN INDIANA has ordered equipment from General Railway Signal Co., to expand and modify interlocking controls at the mainline Torrence avenue lift bridge in Chicago.

• PENNSYLVANIA's spending plans for 1965 include provision for expanded use of radio communications in yard offices and on locomotives; installation of CTC at two locations; automatic highway protection for 25 grade crossings; and installation of switch heaters at more than a score of points to improve train movements under snow conditions.

Must Reading For Signalmen

"Fundamentals of Relay Circuit Design" can be read and studied for profit by signalmen from helpers to engineers. This book, by Alan R. Knoop, former C&O circuit designer and US&S project engineer, begins with the fundamentals of magnetism and DC relay operating characteristics. Next, the book covers neutral relays and plan symbols, basic circuit concepts and additional fundamental circuits and relay concepts. Applications of relay circuit design are in four chapters: (1) motor and process machinery control; (2) conveyor controls; (3) public service (vehicular traffic) controls; and (4) railway signaling.

Without a doubt, the chapter on railway signaling will be of most interest to RS&C readers. However, the beginning chapters provide a solid foundation for the study and understanding of the applications chapters. Fundamental circuits of relay systems are shown, together with their operating descriptions. In each system, the reason for a particular design is stressed. The operation of basic circuits is explained in a logically progressive manner so that they can be easily recognized in the complex systems presented in the application chapters.

The approach throughout assumes that the designing of relay circuits is really not as complex as it appears, if examined step by step and in clear, logical manner. The four final chapters of the book examine typical systems in different electrical control fields to show that many of the problems encountered in one field are similar to those in other fields. The systems and control circuits used in these chapters are not theoretical, but are the actual circuits used by designers in their respective fields.

Topics dealt with in the chapter on railway signaling include: operation of trains; types of signals and signal aspects; track circuits; basic signal systems—single direction running; signaling for two directions; auto-manual signal control; switch control; complete interlocking; destination routing; automatic interlocking; movable bridge interlocking; highway crossing protection; and summary.

Bob McKnight

"Fundamentals of Relay Circuit Design" by Alan R. Knoop, Reinhold Publishing Corp., 312 pages, $15.

Railroad Personnel

• CLINCHFIELD: **James W. Hager,** engineer signals and communications, was born in Johnson City, Tenn., on June 28, 1924. He graduated from the University of Tennessee in 1949 with a bachelor of science degree in electrical engineering. Joining the Clinchfield in 1950, Mr. Hager started in signal construction work. Later he was promoted to signal maintainer and was circuit engineer in 1953, when he resigned to join Union Switch & Signal in the project engineering department. He advanced through various positions, attaining that of senior engineer, when he resigned to return to the Clinchfield as engineer signals and communications (RS&C Feb. 1965, page 26).

• LOUISVILLE & NASHVILLE: **R. A. Hicks,** general communications inspector, appointed assistant to engineer communications at Louisville. **L. M. Tingle,** general communications inspector, appointed assistant engineer communications—radio, also at Louisville, Ky. **F. R. Wix,** general foreman communications, appointed assistant engineer communications—inside plant. **R. L. Brown,** general foreman communications—inside plant, appointed radio inspector. **J. R. Bennett,** chief telephone installer, appointed general foreman communications—inside plant. **L. B. Nipper,** draftsman, appointed general foreman communications—inside plant. **H. L. Hood,** supervisor communications and signals, at Nashville, Tenn., transferred to Atlanta, Ga., succeeding **J. E. Bruce,** retired. **C. P. Richardson,** assistant signal supervisor, Jackson, Tenn., promoted to supervisor communications and signals at Nashville. **D. L. Nordhoff,** communications draftsman, appointed assistant supervisor communications at Nashville. **D. L. Webb,** assistant signal supervisor, appointed supervisor communications and signals at Louisville, succeeding **R. L. Pearce,** deceased. **L. A. French,** signal draftsman, appointed assistant signal supervisor at

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Louisville. **D. L. Toohey,** communications draftsman, appointed assistant supervisor communications at Evansville, Ind. **A. L. Fegenbush** appointed communications plant inspector at Louisville. **E. W. Turner,** general foreman lines, appointed general foreman communications—outside plant.

• CHICAGO, ROCK ISLAND & PACIFIC: **W. B. Johnson,** assistant signal engineer, appointed signal engineer succeeding **H. Jensen,** retired. **D. L. Johnson,** general signal inspector, appointed assistant signal engineer.

Mr. Jensen was born in Sioux Rapids, Iowa on Feb. 24, 1900. After completing high school in Joliet, Ill., he began his railway career on the CRI&P as a signal helper in 1927. A year later he was appointed signalman. In 1941, Mr. Jensen was promoted to signal foreman; one year later to signal circuit engineer; and in 1943 he was promoted to chief circuit engineer. He became general signal inspector in 1949 and

H. Jensen
Rock Island

Harvey Alexander
New York Central

was promoted to assistant signal engineer in 1956. One year later he was appointed signal engineer.

•NEW YORK CENTRAL: **Harvey Alexander,** district engineer communications and signals at Indianapolis, Ind., was born in Conesus, N.Y., on Sept. 11, 1919. Following graduation from the Rochester Institute of Technology in 1940, he joined NYC as a draftsman. In 1949 he was appointed assistant engineer, and a year later promoted to assistant supervisor of signal construction. In 1951, Mr. Alexander served briefly as general signal inspector, and then was appointed assistant engineer signals. Four years later he was appointed office engineer sig-

Delbert E. Firestine
New York Central

Thomas R. Gibson
New York Central

nals, and in 1958 promoted to system chief signal inspector at Cleveland. In 1962, he was appointed district signal engineer at Indianapolis, the position held at the time of his recent promotion (RS&C Dec. 1964, page 28).

Delbert E. Firestine, district staff engineer communications and signals at New York, was born on Feb. 28, 1906 in Raymond, Ohio. Following elementary and high school education in Raymond, he joined the railroad as a laborer in the signal department in 1926. A year later he was promoted to signal mechanic, and made leading signal maintainer in 1929. Following three years in the Navy in World War II, Mr. Firestine was appointed circuit designer in 1945 upon his return to the railroad. In 1952, he was appointed signal supervisor at Toledo, Ohio. Two years later he was promoted to assistant engineer, signal department, at Cleveland. He was appointed field signal engineer in 1955, and two years later promoted to district signal engineer at New York, his most recent position.

Thomas R. Gibson, design engineer communications and signals at New York was born March 6, 1924 at St. Paul, Minn. A graduate of the University of Minnesota with a bachelor of electrical engineering degree in 1949, Mr. Gibson joined the Northern Pacific as an equipment maintainer. In 1955, he entered the employ of the Wabash as communications engineer. Two years later he was appointed engineer communications and signals. In 1961, he joined NYC as communications engineer, and a year later was appointed superintendent of communications of the New York district. This was his position until his recent promotion.

Stanley P. Kohler, district staff engineer communications and sig-

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James L. Lane
New York Central

Stanley P. Kohler
New York Central

nals at Syracuse, N.Y., was born in Williamsport, Pa., on December 18, 1926. A graduate of the Rochester Institute of Technology, he joined the NYC as a signal helper in 1949. A year later, he was promoted to leading signal mechanic, and in 1951 he was appointed engineer draftsman in the signal department. He held subsequent positions of signal inspector, assistant general signal inspector and assistant engineer. In 1961, Mr. Kohler was appointed assistant field signal engineer, and three years later office engineer, the position he held at the time of his recent promotion.

James L. Lane, district field engineer communications and signals at Syracuse, N.Y., was born in West Brookfield, Mass., on Feb. 9, 1928. A graduate of DeVry Technical Institute, he joined NYC in 1947, first in the signal department. A year later he transferred to the communications department where he held a number of positions including district lineman, telephone and telegraph maintainer and installer, communications supervisor, field engineer and chief line supervisor, until his recent promotion.

John E. Schmitt, district field engineer comms. and signals at Cleveland, Ohio, was born on Oct. 8, 1923 at Quincy, Ill. After graduation from the University of Illinois in 1948 with a bachelor of science degree in electrical engineering, he joined the Rural Electrification Administration as a field construction engineer. Five years later he left REA to become assistant general manager and chief engineer of the Eastern Illinois Telephone Co. In 1957, he was appointed communications engineer for NYC at Cleveland. In 1963, Mr. Schmitt was

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promoted to superintendent of communications at Cleveland, his most recent position.

Supply Trade News

● GENERAL RAILWAY SIGNAL CO.: **John K. Records,** director NASA support for the Apollo support department, General Electric Co., has been elected president, succeeding **Percy W. Smith,** retired. **William R. Goodwin,** sales representative in the Chicago office, has been appointed chief engineer—applications engineering department with headquarters at Rochester, N.Y.

Mr. Records, 43, graduated from the University of Cincinnati in 1948 with a BS degree in electrical engineering. He received an MS degree from the University of Illinois in 1949. While at UI he was a research associate and assistant director of the antenna laboratory. In 1950 he joined GE as a project engineer on microwave and radar projects. In 1957, Mr. Records was appointed manager of engineering operations for missile guidance of GE's heavy military electronics department. Subsequently he was appointed manager of the defense system's instrumentation and guidance product section, following which he was named director of GE's NASA support for the Apollo project.

Mr. Smith was born in Springville, N.Y., on Feb. 2, 1900. A graduate of the Rochester Institute of Technology, he worked as a foreman for the Buffalo, Rochester & Pittsburgh during school vacations. Upon graduation he joined American Locomotive Co., as a draftsman, later transferring to the B&O in the same capacity. He joined GRS in 1923 as

John E. Schmitt
New York Central

William R. Goodwin
Gen. Ry. Signal

John K. Records
Gen. Ry. Signal

Percy W. Smith
Gen. Ry. Signal

a draftsman and engineer. In 1937 Mr. Smith was appointed a sales engineer. From 1944 to 1948, he was resident manager at New York. For the next three years he was eastern manager, and in 1951 was appointed vice-president eastern U.S. and Canadian sales. Two years later, Mr. Smith was appointed vice-president sales at GRS headquarters in Rochester, N.Y. In April 1958, he was appointed executive vice-president and was elected president in October, 1958. Upon the formation of General Signal Corp., in 1962, Mr. Smith was elected president of that company. He will continue as a director of General Signal and will also serve the corporation as a management consultant.

Mr. Goodwin, a native of Greensburg, Ind., studied electrical engineering at the University of Cincinnati. He began his signal career on the New York Central in 1941 as a helper. Subsequently he was promoted to signalman, signal maintainer, and signal circuit draftsman. In 1953, he joined the Terminal Railroad Association of St. Louis as assistant signal engineer. Three years later he joined GRS as an application engineer at Rochester. A year later he was appointed sales engineer in the Chicago office, his most recent position.

• GENERAL SIGNAL CORP.: **Harold A. Strickland, Jr.,** executive vice-president, has been elected president succeeding **Percy W. Smith,** retired.

GSC will consolidate two of its operating units: Cardion Electronics, Inc., Westbury, N.Y., and Budelman Electronics Corp., Stamford, Conn. **Orville Dunning,** chief executive officer of both companies, will continue in this position in the combined activities which will be

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located in Westbury. The marketing organizations of each unit will continue to serve their present markets, but engineering and manufacturing organizations will be merged. Budelman marketing operations will continue under the direction of its president, **William Fingerle, Jr.**

Mr. Strickland, 50, was vice-president and general manager, Industrial Electronics division, General Electric Co., when he resigned to join GSC last April as executive vice-president. Earlier in his career, he had been engineering vice-president of the Hotpoint division of GE. Mr. Strickland holds 65 patents in his name. He has degrees in electrical and mechanical engineering from the University of Michigan, and an MBA from Harvard university's graduate school of business administration.

● NOLLER CONTROL SYSTEMS, INC.: The following firms have been appointed sales representatives for Noller solid-state alarm and remote control equipment: Dolphin Engineering Co., Oakland, Calif.; Waugaman Associates, Denver, Colo.; Kennedy Engineering Co., San Marino, Calif.; Wescom, Hinsdale, Ill. and Field Enterprises, Havre, Mont.

● RAILROAD ACCESSORIES CORP.: **Henry A. Maynard,** retired general signal supervisor, Baltimore & Ohio at Cincinnati, Ohio, has been appointed a sales and service representative. He will be headquartered at Transport Products Co., at Louisville, Ky. Mr. Maynard's photograph and biographical sketch appeared in RS&C Dec. 1964, page 40.

● SERVO CORP. OF AMERICA: **Henry A. Talbert** has been appointed district sales manager at Pittsburgh, Pa., for the Railroad Products division. A graduate of Carnegie Institute of Technology with a BS degree in electrical engineering, he joined Union Switch & Signal in 1930. Mr. Talbert held such positions as project engineer, sales engineer, assistant district manager at New York and district manager at Pittsburgh. In 1964, he left US&S to become district manager at Pitts-

H. A. Strickland, Jr.
General Signal Corp.

Henry A. Talbert
Servo Corp.

burgh for Transcontrol Corp., the position he resigned to join Servo Corp.

• THERMOCON CO., has acquired the switch heater business of White Mfg. Co., Elkhart, Ind. Thermocon will market the White G-5 gas-fired switch heater, as well as Thermocon's solid-state control system and electric switch heater.

• UNION SWITCH & SIGNAL division of WABCO: **C. Benjamin Ramsdell,** manager, mass transit operation, WABCO, has been appointed vice-president marketing. **L. J. Davis, Jr.,** vice-president marketing, has been appointed vice-president-general sales manager succeeding **C. W. Henricks,** deceased.

Mr. Ramsdell, a graduate of Catholic University with a BSEE degree, held various industrial marketing and management positions prior to joining WABCO as manager, mass transit operation.

Mr. Davis, a graduate of the University of Pittsburgh, joined US&S in 1945. After holding various positions in the engineering department, he was appointed a sales engineer in New York. In 1958, he was appointed assistant manager at New York. Four years later he returned to Pittsburgh, where he held various marketing positions.

C. Benjamin Ramsdell
Union Switch & Sig.

L. J. Davis, Jr.
Union Switch & Sig.