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# ARMO-STRUT

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## NEWS BRIEFS

- CHESAPEAKE & OHIO has ordered four automatic alarm hotbox detectors from Servo Corp. of America.
- SOUTHERN has placed a \$650,000 order for 153 miles of type K2 CTC equipment from General Railway Signal. The system will extend between Rivermont, Va., and Linwood, N.C., where 72.5 miles of second track are scheduled for removal. An existing sectional type control machine at Greensboro, N.C. will be expanded for control of the additional field locations. Automatic route selection and approach clearing are featured.

No open wire is used; the entire system will operate via underground cable. GRS electronic overlay track circuits will be utilized for automatic lock release and at highway crossings. Trakode, the two direction coded track system, will permit longer track circuits, thus keeping the number of cut sections to a minimum.

- SOUTHERN PACIFIC has begun construction on a new \$2.5 million electronic traffic control system on 142 miles of main line between Lincoln and Redding, Cal. To be completed in the fall of 1963, the new CTC section will tie into an existing 80-mile stretch of CTC from Redding north through to Black Butte.
- CHICAGO SOUTH SHORE & SOUTH BEND will spend \$38,600 for street crossing protection at six Gary and one South Bend crossings and \$12,500 for electric snow melters on 11 main track switches to improve winter operations.
- LOUISVILLE & NASHVILLE has placed an order with Union Switch and Signal for one 26-cylinder model 32 electro-pneumatic car retarder and eight style DA-10 switch machines for installation at Tilford Yard at Atlanta. Ga. This equipment will be used to control car movements into one additional group of eight classification tracks bringing the total number of class tracks to 32.
- LONG ISLAND has ordered from Union Switch & Signal, interlocking equipment for installation in two and three track territory as a part of a grade crossing elimination project at (Please turn to page 38)

RAILWAY SIGNALING and COMMUNICATIONS

# **EMERGENCY**

is being provided by Power Sources sine wave inversion equipment. PS3201 is on stand by duty at Rumford, Maine and France ready to provide 117 volts, AC, from a battery rack in the event of local power failure. The Telstar application is only one in a complete line power failure. The Telstar application is only one in a complete line of Power Sources "Emergency Power" systems presently operating across the country. The all solid state, SCR circuit inverters provide better than 6% regulation, line or load, and have complete short circuit, open circuit and overload protection. They are cooled through self-convection, allowing full load maximum line service at 40°C ambient. Efficiency is greater than 70%; frequency is 60 cps ±1%. 70%; frequency is 60 cps  $\pm 1\%$ . Harmonic content of output is less than 5% with an output voltage of 117 volts, AC.

MODEL	INPUT VOLTAGE (DC)	OUTPUT POWER (Kva)	DIMENSIONS
P\$3200	23.5 28.5	0.25	19" x 101/2" x 10"
P\$3201	23.5 — 28.5	0.50	19" x 121/4" x 15"
P\$3202	44 — 52	1.0	19" x 1214" x 15"
P\$3203	44 — 52	0.50	19" x 121/4" x 15"
P\$3210	105 125	1.0	19" x 21" x 15"
P\$3211	105 125	0.50	19" x 171/5" x 15"
P\$3212	105 125	2.0	19" x 241/2" x 15"
P\$3213	105 — 125	0.25	19" x 121/4" x 15"

A full line of filter transfer panels are available also, providing input filter and noise reduction. AC transfer and alarm, delay return, and DC transfer are switching options which can be provided. Batteries and charging equipment can be supplied for complete emergency power systems.

For detailed information on custom or off-the-shelf equipment, contact: Department RS-11.



### POWER SOURCES, INC.

A Subsidiary of Technical Operations, Inc.
Burlington, Mass. • BRowning 2-2000

### **NEWS BRIEFS**

(Continued from page 36)

Babylon, L.I. Control of the interlocking will be from a UR route control machine.

• ILLINOIS CENTRAL has ordered equipment from General Railway Signal for the installation of 32 miles of CTC between Homewood and Kankakee Jct., Ill. Control will be from a Traffic Master pushbutton machine at Champaign, Ill. Rolkode, a new highspeed coding system (using two frequency-shift carriers for both control and indication transmission) will be used for the control of the seven remote field locations.

### Railroad Personnel

- SEABOARD AIR LINE. P. G. Bodwell, Jr., assistant signal construction engineer, appointed assistant superintendent telegraph with headquarters as before at Richmond, Va.
- BELT RAILWAY OF CHICAGO. Harry W. Dunn, signal and electrical engineer, Chicago & Western Indiana, appointed office engineer.
- CHICAGO & WESTERN INDI-ANA. Carl E. Ross, assistant engineer,

### ELECTRICAL ENGINEER

Vacancies are now available as Rail Planning Engineers for those possessing on Engineering Degree and extensive experience in any of the following areas:

(1) Railroad power system planning—design and installation (Heavy electronics background preferred)

(2) Planning and design of communication and data systems applicable to railroads.

Salary to \$12,000 plus liberal benefits. Interviews: Monday through Friday from 8:45 A.M. to 4:45 P.M.

The Port of New York Authority Personnel Department—Room 200

111 Eighth Avenue
New York 11, New York

appointed supervisor-signal and elec trical.

- LOUISVILLE & NASHVILLE Grady L. Tanner, appointed assistan signal supervisor at Mobile, Ala.
- BESSEMER & LAKE ERIE. George R. Pflasterer, staff assistant to chie engineer, retired Dec. 31, 1962. native of Danville, Ill. (born Dec. 30 1897), Mr. Pflasterer graduated from Georgia School of Technology in 191 with a degree in electrical engineer ing. He worked as a signal helper of the Great Northern during summer 1915-1917. From 1919 to 1929 he wa signal maintainer and signal forema on the Nashville, Chattanooga & S Louis. In 1930 he joined Union Switch





Herbert H. Dofka



R. M. McIntosh



George R. Pflastere

r Signal as a circuit engineer and subequently was patent engineer. He vas appointed signal engineer of the S&LE in 1937, and was appointed taff assistant to the chief engineer in 1960.

SANTA FE. Neal W. Thorne, resently appointed assistant signal engineer for eastern lines at Topeka, Kan. RSC Jan. 1963, p. 38) was born at abo, Kan., Sept. 9, 1926. He joined he Santa Fe in 1944 as a signal helper and was promoted to signal maintainer at Topeka in 1948. He subsequently held positions as draftsman, circuit entineer and assistant engineer at Topeka before transferring to Los Angeles in 1960 as CTC engineer, the position he held prior to his present promotion.

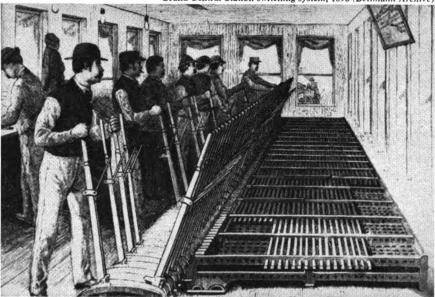
• CANADIAN NATIONAL. Herbert I. Dofka, assistant signal engineer at foronto, Ont., appointed signal engineer, Edmonton, Alta., succeeding 3. M. McIntosh who has been appointed signal engineer with Canada's Board of Transport Commissioners at Winnipeg, Man.

Mr. Dofka joined CN as assistant engineer, signal department at Toronto in 1953 and was appointed design engineer three years later. In 1961 he was appointed assistant signal engineer. Mr. McIntosh started with CN in 1950 as circuit designer at Moncton and was promoted to assistant signal engineer there two years later. He was transferred to Montreal in 1956, where he supervised the signal training program and development of CTC systems. He became assistant signal

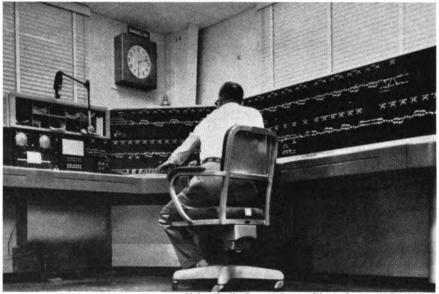
engineer at Winnipeg in 1957 and four

(Please turn to page 41)

Grand Central Station switching system, 1890 (Bettmann Archive)



### TIME'S BEEN WORKING ON THE RAILROAD



Union Traffic Control Center (Westinghouse Air Brake Co.)

Microwave radio, high-speed facsimile, automatic retarder classification, automatic hotbox detection, electronic data processing, electronic yards, train automation. This is railroading today, compared to the 1890 switching scene shown above. Modern railroad pioneering is more brains than brawn, and electronics is the nerve center of much current progess.

In this challenging age of technology, there is a critical need for fast, dependable delivery of a vast variety of electronic components. To meet this need, there is an outstandingly reliable source: MILO, double decade pioneer of industrial electronic distribution.

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### **LEWS BRIEFS**

Continued from page 39)



Leo J. Ritter



John E. Schmitt



Glen L. Miller



Henry N. Wasserman

ers later was promoted to signal gineer at Edmonton.

NEW YORK CENTRAL. Leo J. Itter, superintendent of communicaons, New York district, appointed roject manager integrated communiations network with responsibility for e planning, installation and operation the road's system-wide telephone aling and message handling facilities. homas R. Gibson, communications ngineer at New York succeeds Mr. litter as superintendent of communinations. John E. Schmitt, communi-nations engineer, Cleveland, Ohio, ppointed superintendent of communiations succeeding Glen L. Miller, etired. Roy A. Calendine, communiations plant engineer, New York, is ppointed superintendent of communiations for the northern district with readquarters at Detroit, Mich., sucreding Henry N. Wasserman, retired. Mr. Ritter was born at Chicago, Ill., n 1921, and later graduated from the Iniversity of Wyoming with a BSEE legree. He joined the New York Cenral as communications engineer at Deroit in 1948 and was transferred to Eleveland in the same capacity in 954. Two years later he was appointed electronics engineer at New York, ind in 1957 he was promoted to disrict superintendent of communications, iis most recent position prior to the resent appointment.

Mr. Gibson, born on March 6, 1924 t St. Paul, Minn., graduated from the (Please turn to page 42)



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University of Minnesota with a BEE degree in 1949. He went to work in the communications department of the Northern Pacific that year as an assistant equipment installer and was promoted to leading equipment repairman in 1952. He joined the Wabash in 1956 as communications engineer and was subsequently appointed engineer of signals and communications from which position he joined the New York Central in 1961 as communications engineer at New York.

Mr. Schmitt was born in Quincy, Ill., in 1923 and graduated from the University of Illinois in 1948 with a BSEE degree. At that time he joined the REA as an electrical and telephone engineer working in their Washington, D.C. headquarters and in various field offices in the west. In 1954 he was appointed telephone engineer of the Eastern Illinois Telephone Co., later becoming assistant manager. He was appointed communications engineer for NYC at Cleveland in 1957.

Mr. Miller, born in Whitestown, Ind., Dec. 31, 1899, graduated from Purdue University in 1922 with a BSEE degree, and received an EE degree from the same institution in 1928. After working for the Indiana Bell Telephone Co., Mr. Miller joined the CCC&StL as assistant engineer, telegraph department at Indianapolis in 1929 and later moved to Cleveland as telephone and telegraph engineer, lines west, NYC. From January 1940 to November 1944, he was system T&T engineer at Detroit, from which point he was transferred to Syracuse to become assistant superintendent of communications, lines east. In January 1954, Mr. Miller was appointed superintendent of communications at Cleveland.

Mr. Calendine, a native of Columbus, Ohio, joined the NYC communications department in 1943. He was appointed line inspector in 1946 at Cincinnati, and district supervisor at Detroit in 1948. Five years later Mr. Calendine was promoted to chief telephone and telegraph inspector at Detroit. In 1954, later he was appointed general plant supervisor at New York. In 1961 Mr. Calendine was appointed communications plant engineer.

Mr. Wasserman, a native of Brooklyn, N.Y., began his railroad career with NYC in 1921 as a telegraph operator at Chicago. In 1926 he was appointed wire chief. He was appointed assistant communications engineer at Detroit in 1944 subsequently becoming telephone and telegraph engineer. In 1954 he was promoted to superintendent of communications at Detroit.







Robert H. Tomlinson

Roger J. Eckerson



Clifton H. Sass, Jr.

### **Supply Trade News**

- RAILROAD MATERIALS CORP. Henry T. Fitzhugh appointed southern representative with headquarters at 6222 Club Road, Richmond 28, Va. Mr. Fitzhugh was secretary to the assistant chief engineer, Chesapeake & Ohio at Richmond.
- UNION SWITCH & SIGNAL has acquired exclusive world-wide distribution rights for hand railway track skates from Ross-Meehan Foundries, Chattanooga, Tenn.
- WALTON R. COLLINS CO., 122 East 42nd St., New York 17, N.Y., has been appointed sales agent for Frontier Electronics, Inc., manufacturers of snow and high-load detectors.
- AMERICAN BRAKE SHOE CO. Kempton Dunn has been elected chairman of the board of directors and chief executive officer. John S. Hutchins has been elected president and chief operating officer.
- ITT-KELLOGG. W. J. Cheesman appointed group manager-telecommunications of International Telephone & Telegraph Corp., and will head the ITT-Kellogg Telecommunications division as well as continue as president of ITT-Canada, Ltd.
- WESTERN RAILROAD SUPPLY CO. Peter J. Banbury, appointed a sales engineer in the communications and signal equipment department of WRRS. Mr. Banbury was formerly in the telegraph engineering department of Canadian National assigned to yard classification work.
- SIMMONS-BOARDMAN PUB. CORP. John Rogers, circulation manager, railway division, appointed sales representative, advertising sales department. F. T. Baker, regional vice-president, advertising sales at New York, resigned to become director of advertising sales for Radio-Electronics, Gernsback Publications, Inc.
- MID-CONTROL CO. Clifton H.

Sass, Jr., has been named exclusive railway sales agent for Chicago base railroads by Fansteel Metallurgica Corp. Prior to forming Mid-Contrologo. 388 Cornell Ave., Des Plaines, Ill Mr. Sass was vice-president of Rairoad Repair & Supply Co. and Leo I Duffy Associates, Inc. He was former railroad sales manager for Okonite Coin Chicago.

- GENERAL RAILWAY SIGNAL Roger J. Eckerson appointed a sale engineer in Chicago. Mr. Eckerso was formerly an applications engineer in the commercial engineering department at the Rochester, N.Y. plant. graduate of Syracuse University with a BS degree in business administration he also studied at Clarkson Colleg of Technology and Rochester Institut of Technology. He was formerly a signal mechanic and engineering draft man for the New York Central before joining GRS.
- UNION SWITCH & SIGNAL. Rolert H. Tomlinson appointed assistant district manager at New York. Chark E. Cressman appointed communications sales engineer with headquarter at Pittsburgh, Pa.

A native of Pitcairn, Pa., Mr. Ton linson graduated with a BSEE degree from the University of Pittsburgh in 1948, at which time he joined US& as a junior engineer. In 1952 he was appointed a design engineer in the equipment engineering department and in 1957 was appointed a sales engineer in the railway sales department with headquarters in Pittsburgh. In 1960 he was transferred in the same capacity to the New York district of fice, the position he held at the time of his present promotion.

Mr. Cressman was born in William port, Pa. He received an electric education at Coyne Electrical Scho in Chicago, and in 1935 he joint Zenith Radio Co., in the test and is spection department. In 1940 joined Bendix Radio in Baltimore, Madvancing through various positions an assignment as communications salengineer in 1952, the position he had until his present appointment.

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