Pennsylvania
RAILROAD.

PHILADELPHIA AND ERIE RAIL ROAD DIVISION.

In effect Nov. 27, 1904.

TRAINS LEAVE EMPORIUM EASTWARD

8 10 A. M.—Week days for Sunbury, Wilkesbarre, Scranton, Hazleton, Pottsville, Harrisburg and intermediate stations, arriving at Philadelphia 6.23 P. M., New York 9.30 P. M., Baltimore 6.00 P. M., Washington 7.15 P. M. Pullman Parlor car from Williamsport to Philadelphia and passenger coaches from Kane to Philadelphia and Williamsport to Baltimore and Washington.

12:25 P. M. (Emporium Junction) daily for Sunbury, Harrisburg and principal intermediate stations, arriving at Philadelphia, 7:32 p. m.; New York, 10:23 p. m.; Baltimore, 7:30 p. m.; Washington, 8:35, p. m. Vestibuled Parlor cars and passenger coaches, Buffalo to Philadelphia and Washington.

8 20 P. M.—daily for Harrisburg and intermediate stations, arriving at Philadelphia, 4.23 A. M., New York 7.13 A. M, Baltimore, 2:20 A. M. Washington, 3:30 A. M. Pullman sleeping cars from Harrisburg to Philadelphia and New York. Philadelphia passengers can remain in sleeper undisturbed until 7:30 A. M.

10 30 P. M.—Daily for Sunbury, Harrisburg and intermediate stations arriving at Philadelphia 7.17 A. M., New York 9.33 A. M., weekdays, (10.38 A. M. Sunday;) Baltimore 7.15 A. M., Washington 8.30 A. M. Pullman sleeping cars from Erie, Buffalo and Williamsport to Philadelphia and Buffalo, Williamsport to Washington. Passenger cars from Erie to Philadelphia and Williamsport to Baltimore.

12:15 A. M. (Emporium Junction), daily for Sunbury, Harrisburg and principal intermediate stations, arriving at Philadelphia, 7:32 a. m.; New York, 9:33 a. m., week days; (10:38 Sundays); Baltimore, 7:25 a. m.; Washington, 8:46 a. m. Vestibuled Buffet Sleeping Cars and Passenger coaches, Buffalo to Philadelphia and Washington.

WESTWARD.

5:10 A. M.—Emporium Junction—daily for Erie, Ridgway, and week days for DuBois, Clermont and intermediate stations.

10 30 A. M.—Daily for Erie and week days for DuBois and intermediate stations.

8 23 P. M.—Week days for Kane and intermediate stations.

RIDGWAY AND CLEARFIELD R. R. CONNECTIONS.
(Week days.)

SOUTHWARD. P.M	A.M.	A.M.	Stations.	NORTHWARD P.M	P.M.	P.M.
.....	9 00	4 02	....Renovo....	.....	5 00	11 45
.....	9 50	4 41	...Driftwood...	.....	4 00	11 05
.....	10 25	5 10	Emporium Junc	.....	3 23	10 35
.....	11 13	5 53	....St. Marys...	.....	2 35	9 53
3 20	11 05	5 55	.....Kane.....	12 25	3 00	8 25
3 36	11 23	6 19	....Wilcox....	12 02	2 40	8 04
3 48	11 38	6 25	..Johnsonburg..	11 47	2 28	7 49
.....	.....	.....	.....	.....	.....	.....
4 05	12 01	6 50	...Ridgway,....	9 20	2 10	7 30
.....	.....	.....	.....	.....	.....	.....
4 15	12 09	7 01	..Mill Haven...	9 09	.....	7 20
4 25	12 17	7 10	..Croyland....	9 00	1 49	7 09
———	12 22	7 15	..Shorts Mills..	8 55	———	7 05
4 34	12 26	7 19	...Blue Rock...	8 51	1 40	7 01
4 38	12 30	7 23	.....Carrier.....	8 47	1 37	6 57
4 48	12 40	7 32	..Brockwayville..	8 37	1 27	6 47
4 53	12 45	7 37	...Lanes Mills..	8 34	1 23	6 43
4 57		7 41	..McMinns Sm't.	8 30		6 38
5 01	12 54	7 45	..Harveys Run..	8 25	1 15	6 35
5 05	1 00	7 50	..Falls Creek...	8 20	1 10	6 30
5 20	1 25	8 05	....DuBois.....	8 08	12 55	6 10
5 10	1 15	7 55	..Falls Creek...	6 53	1 15	6 30
5 27	1 29	8 08	..Reynoldsville..	6 39	12 52	6 15
6 00	1 56	8 35	...Brookville...	6 05	12 24	5 39
6 45	2 38	9 20	New Bethlehem	5 20	11 44	4 50
7 25	3 20	10 00	....Red Bank....	.....	11 05	4 05
10 00	5 30	12 35	....Pittsburg....	.....	9 00	1 30
P. M.	P. M.	P. M.		A. M.	A. M.	P. M.

BUFFALO & ALLEGHENY VALLEY DIVISION.

Leave Emporium Junction for Port Allegany, Olean, Arcade, East Aurora and Buffalo.

Train No. 107, daily,.....4:05 A. M.
Train No. 115, daily,.....4:15 P. M.

Trains leave Emporium for Keating, Port Allegany, Coudersport, Smethport, Eldred, Bradford, Olean and Buffalo, connecting at Buffalo for points East and West.

Train No. 101, week days,.....8:25 A. M.
Train No. 103, week days.....1:35 P. M.

Train No. 103 will connect at Olean with Chautauqua Division for Allegany, Bradford, Salamanca, Warren, Oil City and Pittsburg.

LOW GRADE DIVISION.

EASTBOUND.

STATIONS.	109	113	101	105	107	951
	A. M.	A. M.	A. M.	P. M	P. M.	A. M.
Pittsburg,..Lv.	.....	†6 22	†9 00	†130	*505	‡ 9 00
Red Bank,.....	.....	9 30	11 05	4 05	7 55	10 55
Lawsonham,..	.....	9 47	‡1118	4 18	8 07	11 08
New Bethle'm.	5 20	10 20	11 44	4 50	8 37	11 40
Brookville,....	†6 05	11 10	12 24	5 39	9 22	12 26
Reynoldsville,.	6 39	11 42	12 52	6 15	9 50	12 59
Falls Creek....	6 53	11 57	1 15	6 30	1005	1 14
DuBois,.....	7 00	†12 05	1 25	6 40	1015	‡ 1 26
Sabula,.....	7 12	.....	1 37	6 53		
Pennfield,.....	7 30	.....	1 55	7 15		
Bennezette,....	8 04	.....	2 29	7 47		
Driftwood,....	†8 40	.....	†3 05	8 20		
via P. & E. Div						
Driftwood, Lv.	*9 50	.....	†3 45			
Emporium, Ar.	†10 30	.....	†4 10			
	A. M.	A. M.	P. M.	P. M	P. M	P. M.

WESTBOUND.

STATIONS.	108	106	102	114	110	952
	A. M.	A. M.	A. M.	P. M.	P. M.	P. M
Via P. & E. Div	.....	.....	†8 10	.....	†3 20	.....
Emporium, Lv.	.....	.....	†9 04	.....	†4 00	.....
Driftwood, Ar..	.....	.....		.....		.....
Via L. G. Div	.....	.....		.....		.....
Driftwood, Lv.	.....	†5 50	†1110	.....	†5 50	.....
Bennezette,....	.....	6 25	11 45	.....	6 25	.....
Pennfield,.....	.....	7 00	12 20	.....	7 04	.....
Sabula,.....	.....	7 18	12 39	.....	7 23	.....
DuBois.....	*6 05	7 30	12 55	†5 00	7 35	†4 00
Falls Creek,....	6 12	7 55	1 15	5 10	7 42	4 07
Reynoldsville,..	6 30	8 08	1 29	5 27	7 58	4 20
Brookville.	7 05	8 35	1 56	6 00	†8 30	4 56
New Bethle'm.	7 51	9 20	2 38	6 45	9 20	5 35
Lawsonham,..	8 21	9 47	†3 06	7 14	.. ..	6 08
Red Bank,Ar..	8 35	10 00	3 20	7 25	.....	6 20
Pittsburg, Ar...	*11 15	†1235	†5 30	†1010	.....	†9 30
	A. M.	P. M.	P. M.	P. M.	P. M.	P. M.

*Daily. †Daily except Sunday. ‡Sunday only. ‖Flag Stop.

On Sunday only train leaves Driftwood 8:20 a. m., arrives at DuBois, 10:00 a. m. Returning leaves DuBois, 2:00 p. m.; arrives at Driftwood, 3:40 p. m., stopping at intermediate stations.

For Time Tables and further information, apply to Ticket Agent.

J. R. WOOD, Pass'gr Traffic Mgr.
W. W. ATTERBURY, General Manager. GEO. W. BOYD, Gen'l Passenger Agt.

THE PITTSBURG, SHAWMUT & NORTHERN R. R.

Through Passenger Service Between St. Marys, Brockwayville, Shawmut, Smethport Olean, Friendship, Angelica, Hornellsville, Wayland, Buffalo, and New York.

Effective Sunday, May 29, 1904.
Eastern Standard Time.
Time of Trains at St. Marys.

DEPART.

7.35 A. M.—For Kersey (Arr. 8.14 a. m.), Byrnedale (Arr. 8.56 a. m.,) Weedville (Arr. 9.03 a m.;) Elbon (Arr. 8.46 a. m.,) Shawmut (Arr. 9.08 a. m.,) Brockwayville (Arr. 9.42 a. m.)

12.33 P. M.—For Clermont (Arr. 1.37 p. m.,) Smethport (Arr. 2.20 p. m.,) connecting for Bradford (Arr. 3.30 p. m.,) Eldred (Arr. 2.49 p. m.,) Olean (Arr. 3.40 p. m.,) connecting for Buffalo (Arr. 6.10 p. m.,) Bolivar (Arr. 3.33 p. m.,) Friendship (Arr. 4.08 p. m.,) Angelica (Arr. 4.34 p. m.,) Hornellsville (Arr. 6.10 p. m., Wayland (Arr. 7.23 p. m.,) connecting at Wayland with D. L. & W. R. R., and at Hornellsville with Erie R. R., for all points East and West.

2.45 P. M.—For Kersey (Arr. 3.26 p. m.,) Elbon (Arr. 4.00 p. m.,) Shawmut (Arr. 4.22 p. m.,) Brockwayville (Arr. 4.47 p. m.,) connecting with P. R. R., for Falls Creek (Arr. 5.10 p. m.,) DuBois (Arr. 5.25 p. m.,) Brookville (Arr. 6.00 p. m.,) and Pittsburg (Arr. 9.30 p. m.)

ARRIVE.

11.05 A. M. } From Brockwayville, Shawmut
6.50 P. M. } Elbon, Kersey and Byrnedale.

1.45 P. M.—From Wayland, Hornellsville, Canaseraga, Angelica, Friendship, Bolivar, Buffalo, Bradford, Olean Eldred, Smethport and Clermont.

All trains daily except Sunday.

A. M. LANE, Gen'l Supt. C. J. RENWICK, Gen. Pass. Agent

St. Marys, Penna.

Foley's Kidney Cure
makes kidneys and bladder right.

FOR CONSIDERATION BY THE THOUGHTFUL.

A Tribute to Weather Conditions in Western Canada.

During the early portion of February, of this year, the Middle and Western States suffered severely with the intense cold and winter's storms. Trains were delayed, cattle suffered, and there was much general hardship. While this was the case, throughout Western Canada, now attracting so much attention, the weather was perfect.

One correspondent writes: "We are enjoying most beautiful weather, the gentlemen are going to church without top coats, while the ladies require no heavier outer clothing than that afforded by light jackets." In contrast with this it is interesting to read in a St. Paul paper of February 13 the following, in double headlines, and large bold-faced type:

"Warm Wave Near Arctic Zone,

"Calgary Much Warmer Than St. Paul.

"Balmy Breezes are Blowing in Northwestern Canada while people are freezing to death in Texas and other Southern States."

Warm in Canada; Freezing in Texas.

St. Paul	24
Omaha	16
St. Joseph	16
Fort Worth, Tex	Zero
Burlington	7
Moorhead	10
Duluth	6
Havre, Mont	18
Williston, N. D	18
Miles City, Mont	2
Medicine Hat, Can	Zero
Calgary, Can	24
Edmonton, Can	20
Leadville, Col	32

During the month of January of this year the number of settlers who went to Canada was greater than any previous January. The movement northward is increasing wonderfully.

The vacant lands of Western Canada are rapidly filling with an excellent class of people. The Government Agents located at different points in the States, whose duty it is to direct settlers, are busier than ever. They have arranged for special excursions during the months of March and April, and will be pleased to give intending settlers any desired information.

It begins to look as though a person would have to be a millionaire in order to live the simple life.—Chicago Chronicle.

Overworked People

and those who are suffering from Rheumatism, Pains, Weakness, Blood or Nervous disorders, Indigestion, etc., should take Pusheck's-Kuro. It is unquestionably the best medicine to-day for these diseases, also for Nervous Debility, Insomnia and Stomach troubles. Try it. Insist upon your druggist always keeping Pusheck's-Kuro on hand.

Her Parting Shot.

Lady Agent—Can't I sell you some of these beautiful cosmetic articles?

Mrs. De Tone—No, you cannot. I never paint!

"Oh! one can easily see that—but why on earth don't you?"—Cleveland Leader.

Necessary.

Mr. Blunt—Do you approve of flattery?

Miss Cleverly—Well, a person can't always tell the truth, you know, and be polite.—Detroit Free Press.

Completing the Quotation.

Johnny—Paw, what's the rest of that quotation beginning: "Truth is mighty?"

Father—"Scarce," I reckon.—Pittsburg Post.

NERVOUS HEADACHE

MARRED A YOUNG WOMAN'S HAPPINESS FOR SEVEN YEARS.

Interfered With Her Social Duties and Threatened to Cause Her Retirement—How She Was Cured.

Every sufferer from nervous headache knows how completely it unfits one for the duties and pleasures of life. Any little excitement, or over-exertion, or irregularity brings it on. Sometimes the pain is over the whole head. Again it is like a nail driven into the brain, or a wedge splitting it open, or a band tightening about it. At one time it is all in the top of the head, at another it is all at the base of the skull.

Most headaches can be traced to some faulty state of the blood. When the blood is scanty or charged with poison, and the nerves are imperfectly nourished and the digestion weak, one of the commonest results is frequent and severe headaches.

The important thing is to get rid of the diseased condition of the blood that causes the attack by the use of a remedy that will do the work quickly and thoroughly. What is that remedy? The experience of Miss Ellen McKenna furnishes the answer. She says:

"For more than seven years I was a great sufferer from nervous headache and dizziness. My stomach was disordered, and I became so restless that I could not sit still any length of time. Dizziness interrupted my work greatly. At first the attacks were not so severe, but they gradually grew more violent, and finally became so acute that I was on the point of relinquishing my membership in the different organizations to which I belonged."

"What saved you from that necessity?"

"A very simple thing; the call of a member of one of the clubs, who strongly advised me to try Dr. Williams' Pink Pills before giving up. I acted on her suggestion at once, and after steadily using this great blood and nerve remedy for two months, my headaches and my dizziness entirely disappeared.

Miss McKenna is secretary of the Associated Ladies' Guild, and resides at No. 48 Wait street, Roxbury, Mass. Dr. Williams' Pink Pills have cured many hundreds of similar cases, and can be confidently recommended to drive all poisons from the blood and to give needed strength to the nerves. Every druggist keeps them.

HOW TO STOP BLEEDING.

Terse Directions and to the Point Given as to What to Do in Such a Case of Emergency.

It often happens in cases of accident that the danger to life is greatly increased by, if not solely dependent upon, the loss of blood, the injury itself being a comparatively trivial affair. Whether light or serious, the wound can wait, indeed in most cases must wait, for the arrival of the physician, but the bleeding waits for nothing—it must be arrested speedily, and if it is not stopped by some one on the spot, or if it does not cease spontaneously, the coming of the physician may be useless, for the wounds of a dead man need no binding.

In classes of instruction in first aid to the wounded, this point is always insisted upon, and rightly; but unfortunately how bleeding from a cut or torn artery can be quickly and certainly arrested is not always clearly enough explained. The pupils study diagrams depicting the course and direction of the large arteries, and round black or red disks are placed at the points where pressure can be effectively applied to shut off the flow of blood from the parts lower down on the limb; the application of a tourniquet is taught, and sometimes even the mode of tying an artery (which is surgeon's work and not to be attempted by any member of a first-aid class) is elaborately explained; but sometimes the lecturer forgets to say that the most copious bleeding can always be arrested temporarily, and often permanently, by simple pressure made directly on the bleeding point. If you can put your finger (literally) on the source of the hemorrhage and keep it there, your wounded companion will not bleed to death, at least not while under your care.

One must make sure, in doing this, that the finger is really making pressure on the bleeding point, which may be deep down at the bottom of the wound; but the continuance of the bleeding will soon prove that the finger, or the cloth pad, or the rounded stick, or whatever is used to make pressure with, is not pressing on the right spot. Care must be taken not to soil the wound with dirty fingers or a dirty rag. If time and opportunity permit, the finger should first be washed or at least wiped with a clean cloth, and if a cloth pad is used the outer layers at least must be free from visible dirt.

In almost any company some one may be found who has a clean handkerchief in the pocket. One which has not been unfolded is best, for this can then be folded inside out and made up into a clean pad of any desired shape. —Youth's Companion.

SACHETS AND PERFUMES.

When My Lady Looks After the Ways of Her Household She Should Remember This Finishing Touch.

For the housewife who likes the scent of lavender leaves in her linen closets the cushions of Japanese crepe paper with oriental decorations are useful and decorative. These cushions are six or eight inches square.

Sandal wood sticks an inch square and five inches long are useful for laying among curtains and draperies when they are put away in the spring, and the fragrance will remain long after the hangings are unpacked in the autumn.

Oriental perfumes, though considered oppressively sweet by some folks, are greatly in favor with many others, and there are combinations of oriental scents that are new and exceedingly agreeable.

It is predicted that carnation will be one of the scents particularly approved by fashion in the coming season, and combined with violet is especially good for sachet powder. Of course, violet, with a blending of orris root, and violet and heliotrope in combination are always in favor. And old-fashioned lavender is a dainty clean scent much liked by the exquisite housekeeper.

BITS OF FEMININITY.

The blue and green plaids in soft camel's hair wool are popular.

The light tint of apricot, fashionable many years ago, is again in favor.

Satin just now is used almost exclusively for the picturesque frock. Plain satin looks better with a gathered skirt and simple bodice.

One very exclusive fashion arbiter declares that short, white, glace kid gloves have become provincial, that suede gloves in the tan colors are much better form.

Evening silk petticoats have borrowed ideas from English eyelet work, and show flounces made up of bands of the silk, embroidered in designs of eyelets, alternating with rows of lace.

Models in plain brussels net are quite elaborately made, with quantities of gaugings and ruchings, elbow sleeves and slight decollete, arranged with fichus and choux of flowers.

Ruffles.

Next summer's muslin gowns will be made again with the ruffled skirts which proved to be so popular last year. A skirt made with two or three deep flounces, each flounce scalloped and embroidered on the edge, is sure to be satisfactory and no other model is so well adapted to the effective display of sash, ribbon and striking girdles.

Peanut Sandwiches.

Shell and skin freshly roasted peanuts and roll them to fine crumbs on a pastry board. Add salt to taste and mix the powdered nuts with enough fresh cream cheese to make a paste that can be easily spread on unbuttered bread. Keep in a cold, damp place until wanted.

Lived Without Hope.

"Don't growl so. We can't all be born with a silver spoon in our mouths, you know," said the philosophic man.

"No," replied the pessimist, "and if I had been born that way, the spoon would have choked me."—Philadelphia Press.

Not So Presumptuous.

Pompus Waiter—Have you ordered, miss?

Timid Little Girl (taking her first meal at a restaurant)—N-no, sir; but I've requested.—Chicago Tribune.

Didn't Expect To.

"You may marry a younger man when I am gone, but you will never get another to dote on you as I have done."

"No, I expect to skip the dotage next time."—Houston Post.

Found at Last.

Alston, Mich., March 13th.—(Special)—After suffering for twenty years from Rheumatism and Kidney Troubles, and spending a fortune in doctors and medicines that brought him no relief, Mr. James Culet of this place has found a complete cure for all his aches, pains and weakness, in Dodd's Kidney Pills.

Naturally Mr. Culet feels much elated over his cure and gives great credit to the remedy that gave him health.

"Yes," Mr. Culet says, "my Rheumatism and Kidney Troubles are all gone and I feel like a new man. Dodd's Kidney Pills did it. Before I used them I spent a small fortune on doctors and one remedy and another. I cheerfully recommend Dodd's Kidney Pills to anyone suffering from Rheumatism or Kidney Trouble."

Dodd's Kidney Pills always cure sick kidneys. Healthy kidneys take all the uric acid—the cause of Rheumatism—out of the blood. That's why Dodd's Kidney Pills always cure Rheumatism.

To "drink in the landscape" one should be supplied with field glasses.—Philadelphia Record.

The Secret of Success

with Pusheck's-Kuro is that it does what no other medicine can do. It affects the grand trio—the stomach, the blood and the nerves—that controls and regulates the whole body, every organ and every function. It corrects the digestion and assimilation of food that keeps up the body. It purifies and enriches the blood, corrects, regulates and strengthens the nerves. This explains why one medicine permanently cures Rheumatism, Pains, Weakness, Nervous Debility, Catarrh, Indigestion, Skin diseases and all Blood and Nerve troubles. The price of Pusheck's-Kuro is $1.00. It can be had at your druggist's or direct from Dr. C. Pusheck, Chicago. Write for illustrated booklet.

It is encouraging to read prophecies of an early spring, even though you don't believe them.—Boston Globe.

Macaroni Wheat.

Salzer's strain of this Wheat is the kind which laughs at droughts and the elements and positively mocks Black Rust, that terrible scorch!

It's sure of yielding 80 bushels of finest Wheat the sun shines on per acre on good Ill., Ia., Mich., Wis., O., Pa., Mo., Neb. lands and 40 to 60 bushels on arid lands! No rust, no insects, no failure. Catalog tells all about it.

JUST SEND 10c AND THIS NOTICE

to the John A. Salzer Seed Co., La Crosse, Wis., and they will send you free a sample of this Wheat and other farm seeds, together with their great catalog, worth $100.00 to any wide-awake farmer. [K. L.]

Of course diamonds are vulgar—if you haven't any.—N. Y. Times.

To Cure a Cold in One Day

Take Laxative Bromo Quinine Tablets. All druggists refund the money if it fails to cure. E. W. Grove's signature is on each box. 25c.

The more a man puffs the less freight he hauls.—Chicago Tribune.

Piso's Cure cannot be too highly spoken of as a cough cure.—J. W. O'Brien, 322 Third Ave., N., Minneapolis, Minn., Jan. 6, 1900.

"The good die young," is the epitaph of most New Year's resolutions.—Life.

An Electrical Engineer

This is the sort of an Engineer we produce. These are his working clothes.

Many young men do not know the duties of an Electrical Engineer.

He is not the man who carries the oil can and the greasy waste, but the Designing, Directing Engineer who plans the machines which the other man runs; who lays out and oversees the work which subordinates execute.

Electrical Engineers earn a

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and upward. You can get the knowledge needed for such a position without interfering with your regular work by a few hours' study each day in your own home. The work progresses by such EASY STAGES that any man who is ambitious can become an Electrical Engineer.

You can qualify for such a position through a course with the **American School of Correspondence at Armour Institute of Technology.**

Never before have the resources and equipment of a great resident engineering school, combined with long experience in correspondence teaching, been offered to ambitious men in their own homes without interfering with their regular work.

Never before have men who cannot go to college had an opportunity to study under the direction of the same instructors who teach the classes of a regular engineering school of high standing.

READ THIS SYNOPSIS AND SEE WHAT YOU WILL LEARN

ELEMENTS OF ELECTRICITY: Magnetism, Static Electricity, Insulators, Electric Machines, Dyamic Electricity, Cells, Solenoid, Electro-Magnets, Induction Coils, Telephone, Telegraph.

ELECTRIC CURRENT: Resistance, Conductance, Wire Tables, Ohm's Law Circuits, Fall of Potential, Efficiency.

THEORY of DYNAMO-ELECTRIC MACHINERY: Induction, The Generator, Commutator, Permeability, Hysteresis, Armature Reaction, Series, Shunt and Compound Windings.

DIRECT CURRENT DYNAMOS: Curves, Long and Short Shunt, Field Magnets, Armature Windings, Commutators, Brushes, Sparking. **DESIGN:** Windings, Magnetic Density, Losses, Magnet Flux, Air Gaps, Armature Core, Field Cores and Yoke, Pole Pieces, Armature Reactions, Efficiency.

DIRECT CURRENT MOTORS: Principles, Counter E. M. F., Torque and Speed, The Prony Brake, Shunt and Series Motors, Compound Motors, Regulation.

TYPES OF DYNAMO-ELECTRIC MACHINERY; DIRECT CURRENT: General Electric, Crocker-Wheeler, Westinghouse, Bullock, C. and C., Holtzer-Cabot, etc.; Electrolytic Work, Arc Lighting Generators.

MANAGEMENT OF DYNAMO-ELECTRIC MACHINERY: Operation, Construction, Regulation, Installation, Starting, Stopping, Generators in Parallel, Generators in Series, Three-Wire System, Inspecting, Testing, Troubles.

ELECTRIC-WIRING: Switchboard, Lightning Arresters, Tables, Wiring, General Formulae, Conduit Work, Switches, Inspection, Insurance Rules and Regulations.

POWER STATIONS: Location, Instruments, Switchboard, Arrangement, Records, Charging for Power.

STORAGE BATTERIES: Plante, Faure, Forming Plates, Electrolyte, Tests, Sulphating, Over Discharging, Uses, Diagrams, Charging, Boosters.

ELECTRIC LIGHTING: Incandescent Lamps, Arc Lights, Distribution, Feeders, Cooper-Hewitt Lamp, Nernst Lamp, Osmium Lamp, Illumination, Photometry.

ELECTRIC RAILWAYS: Gears, Motor Suspension, Controllers, Series Parallel Control, Rheostat Control, Multiple-Unit System, Accessories, Air Brake, Magnetic Brake, Overhead Construction, High-Tension Lines, Third Rail, Conduit System, Track Construction, Alternating Current, Transmission.

ELECTRICAL MEASUREMENTS: Galvanometers, Meters, Faults, Calibration of Volt-meters and Ammeters, Measurement of Energy, Quantity and Capacity.

ALTERNATING-CURRENT MACHINERY: Alternator, Armature Reaction, Regulation, Excitation, Synchronous Motor, Transformer, Rotary Converter, Induction Motor, Motor Generator.

POWER TRANSMISSION: Conductors, Distribution System, Transmission Lines, Calculation, Construction, Insulators, Protecting Devices.

THE TELEPHONE: Batteries, Receiver, Transmitters, Signaling, Bells, Telephone Lines, Telephone Exchange, Common Battery System, Intercommunicating System, Operation, Toll Lines, Branch Exchange.

THE ELECTRIC TELEGRAPH: Equipment of Small Office, Sounder, The Morse Code, The Relay, Switchboard, Messages, Cipher, Press Service, The Phillips Code, Railway Telegraph, Repeaters, Multiplex Telegraphy, Phonoplex.

The Cost of Instruction is Within the Reach of All—From $10.00 Upwards—and May Be Paid in Small Monthly Payments if Desired.

SPECIAL Students enrolling in the Electrical Engineering Course before MAY 15th will receive, in addition to their regular instruction papers

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Please send me 200-page illustrated Bulletin, giving full outline of Electrical and other courses, and list of students who have completed the courses and have received better positions as a result of their studies. K. L.-3-18 05

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AMERICAN SCHOOL OF CORRESPONDENCE

AT ARMOUR INSTITUTE OF TECHNOLOGY CHICAGO, ILL.

MENTION THIS PAPER WHEN REPLYING

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For Exhaustion, Nervous and General Debility, Neuralgia, Sciatica, Lumbago, and all Diseases and Impurities of the Blood, Skin Diseases, Scrofula, Eczema, Catarrh of Any Organ, Loss of Appetite, Indigestion, Misuse, Heart and Nervous Troubles.

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