FINANCIAL EDITION

NIGHT EXTRA

Evening Illustrated Ledger

NIGHT EXTRA

VOL. III.—NO. 118 PHILADELPHIA, TUESDAY, JANUARY 30, 1917 PRICE TWO CENTS

FINDS PRECISE DOSE OF SERUM FOR MENINGITIS

Discovered After Years of Labors Here by Mulford Serologist

EXPERIMENTS WITH MICE

Facts About Discovery in Anti-Meningitis Serum

DISCOVERY—Method of measuring curative power of serum for cure of epidemic cerebro-spinal meningitis.

* * *

DISCOVERER—Dr. G. H. Robinson, head of serological research laboratories of H. K. Mulford Company, Glenolden.

* * *

WHEN MADE—June, 1915, after which tests, in which several thousand white mice were used, proved it.

* * *

WHAT IT MEANS — Physicians now know exact potency of each injection of serum.

A method of standardizing anti-meningitis serum, hailed by physicians as being as important as the discovery of the serum itself, has been achieved.

Announcement of the discovery and a description of the method used were made today at the Glenolden laboratories of the H. K. Mulford Company, manufacturing and biological chemists, of this city, where the discovery was made. As a result of the medical "find," the exact potency of a "dose" of serum may be determined with a mathematical nicety hitherto unknown in the treatment of epidemic cerebro-spinal meningitis. It is to the serum treatment what the thermometer is to chemistry and eliminates whatever uncertainty may exist as to proper dosage in serum injections for the treatment of meningitis, according to the Mulford bacteriologists, who regard the discovery as one of the most important yet made at their laboratories.

Dr. G. H. Robinson, head of the serological research laboratories, is the discoverer of the methods of measuring the serum's power. He solved the problem that had puzzled bacteriologists for years.

Exhaustive tests, extending over eighteen months, intervened between the discovery of the method of standardization and its announcement. Several thousand white mice were utilized in compiling data on the method, until it gradually emerged from the experimental stage and arrived at a point where it was perfected in so far as human calculations go.

The method, as described by Dr. F. E. Stewart, director of the scientific department, and Dr. A. P. Hitchens, director of the biological laboratories, consists in infecting mice with graded amounts of diplococcus intracellularis, or meningococcus, the micro-organism that causes meningitis, and testing the counteracting influence of fixed amounts of immune serum. From the regular death rate and rate of recovery ensuing a standard unit of immunizing or curative power was realized.

SUCCESS AFTER YEARS

Doctor Robinson a year and a half ago found the key to the solution after years of experimentation. Hitherto the meningitis bacteria, because they were delicate and easily destroyed, had defied efforts to devise means of measuring the effect of their antibodies, or antidotes, contained in

Continued on Page Two, Column One

NAVY YARD EXPANSION TO BEGIN IN THREE WEEKS

Ground for $10,000,000 Improvements and Battleship Building Facilities to Be Broken With Ceremonies

By a Staff Correspondent

WASHINGTON, Jan. 30.—In three weeks ground will be broken on the improvements at the Philadelphia Navy Yard, which, when completed, will cost about $10,000,000, including equipment necessary for battleship building. Bids were opened today for the structural machine shop, to cost, including tools, $1,600,000.

The actual cost of the structure for battleship building itself will not exceed $908,000. It will be 700 feet long and 200 feet wide and will be the most modern of its kind.

The machinery that will be placed in the building will bring the cost to $1,000,000.

There are seven bidders, and the bids are so complicated that it is impossible to say until they are fully analyzed who is the lowest bidder. Indications are that Gormley & Co., of Washington, are the lowest. McCall & Co. and Warn & House, Philadelphia, were among the other bidders.

There will be a big celebration at the Philadelphia yard when the first ground is broken. Admiral Harris, Chief of Yards and Docks; Secretary Daniels and other officials will be present.

BRIDGE ACTION ASKED OF STATE LEGISLATURE

Commerce Chamber's Request for Commission Like Jersey's Read by House Speaker

By a Staff Correspondent

HARRISBURG, Pa., Jan. 30.—The first step toward realizing the project for the bridge over the Delaware River between Philadelphia and Camden was taken last night, when Speaker Baldwin read in the House a communication from the Philadelphia Chamber of Commerce, asking favorable action by the State.

The Chamber of Commerce's communication contained a resolution for the appointment of a commission to work with the New Jersey Commission. The communication reads:

"At a meeting of the board of directors of the Philadelphia Chamber of Commerce, held January 11, the following resolution was unanimously adopted:

"Whereas, The joint committee on the Delaware River bridge finds that New Jersey has appointed a commission with power to make preliminary surveys and report on the proper kind and position of such bridge, and on approval of this report by the various proper county officers to accept bids, issue bonds and to build and operate the bridge, therefore this committee recommends that the board of directors of the Chamber of Commerce urge upon Councils of Philadelphia and the Pennsylvania Legislature appointment of a commission of the city of Philadelphia or the State of Pennsylvania with like powers and an equal appropriation.

"Will you kindly see that this resolution is presented to your respective bodies and advise the result of any action taken by them?"

USES ARSENIC FOR FLOUR; KILLS FIVE OF FAMILY

Farmer's Wife Mistakes Poison for Baking Material—Causes Death of Four Sons and Grandson

DANFORTH, Ill., Jan. 30.—Mrs. O. J. Meints, wife of a farmer living west of here, killed her four sons and her grandson by mistaking arsenic for pancake flour.

In the farmhouse today are the bodies of Theodore, Ervin, Milo and Fred Meintsons, and Clarence Meints, grandson, the son of Scho Meints.

WORLD-WIDE SEA DRIVE IMMINENT

U. S. and Berlin Discuss Armed-Ship Issue as Crisis Impends

POLICY NOT DETERMINED

Washington Eager for Understanding to Avoid Serious Imbroglio

WASHINGTON, Jan. 30.—Naval operations on a tremendous scale throughout the world may be expected at any moment while Berlin and Washington are carrying on negotiations for agreement on the armed-ship question. This became known in Teutonic circles here this afternoon and immediately there was added special concern as rumors to the effect that armed Entente merchantmen begin offensive operations against German submarines, while the latter inaugurated a policy of attacks upon merchantmen without warning.

That actual exchanges in the armed-ship situation had taken place between Berlin and the State Department came as a distinct surprise. Whether there has been any positive overall agreement cannot be learned, but it is understood from high officials that there seems little hope of an early understanding.

Germany, which is conducting its negotiations through Count von Bernstorff, Ambassador Gerard and Count von Bernstorff, contends that on December 12 the British Parliament gave ship owners the right to mount cannon guns to make their ships capable of offensive operations. That action was taken after British shipping men had agreed to take up the pursuit of German submarines, Berlin claims.

The State Department is demanding that Berlin furnish proof that such orders have been authorized by Parliament, and Germany is doing its utmost to provide the evidence. How long the exchanges have been going on is not revealed. The position to be taken by this Government is still undecided. That the United States would be deeply involved immediately after the momentous naval operations projected in Teutonic circles will begin is well understood, and strenuous efforts are being made to make clear this Government's attitude on merchantmen carrying offensive guns and entering United States ports.

Heat Kills Steel Mill Worker

CHESTER, Pa., Jan. 30.—The first case of heat prostration recorded in this city for the new year occurred yesterday when Joseph Grayson, a steel mill employe, collapsed at his work. He was taken to the Crozer Hospital for treatment, and is seriously ill. The workman stood too long in front of a furnace.

RAIDERS OFF U. S.; CRUISERS IN CHASE

British Squadron in Wide Search for Two Commerce Destroyers

REPORTED OFF JERSEY

Vessels Sought Believed to Be Moewe and the St. Theodore

NEW YORK, Jan. 30.—A fine squadron of British war vessels armed with a large def off the American coast today in search for two of the German commerce destroyers which are supposed to have slipped out of Germany about Christmas. The German operations officer, Admiral Von Holtzendorff, admitted to the Associated Press that the German Government had lost track of the two raiders.

In the squadron are, it is said to be the pick of the British navy, including the Australian battle cruiser Australia, the Chilean cruiser Chacabuco, the Chilean cruiser Chile, and other fast cruisers, which have been for months patrolling the North Atlantic.

The belief persists that the place of the German raiders, one the famous Moewe and the other the St. Theodore, was changed and converted into a trader.

NORFOLK, Va., Jan. 30.—Wireless warnings from Entente Allied vessels received here told of the presence of an armed German trader or cruiser in the North Atlantic Ocean west which would be 300 miles off New York. The armed trader was seen in this position January 19. Merchant ships were warned against approaching this point.

WASHINGTON, Jan. 30.—Concern regarding the presence of a squadron of British warships in the New York area today is attributed at the British Embassy and the American naval circles. Report had it that the suspected raiders were off the New Jersey coast and had been hailed by a British merchant vessel.

More than a dozen Entente war vessels are reported in the Atlantic on a "hunt" for two raiders supposed to be at large.

$100,000 FIRE RAZES BIG STORE AT ASHLEY

Tremayne Emporium and Home and Office of Doctor Frey of Flames

WILKES-BARRE, Pa., Jan. 30.—The three-story department store of Charles Tremayne, Ashley's biggest mercantile establishment, was destroyed by fire today and the Corey Building and the residence and office of Dr. W. E. Hughes were damaged. The loss is said to be $100,000. The Tremayne loss is estimated at $75,000 for the building and $40,000 for the stock. The Corey loss is estimated at $5000 and Doctor Hughes suffered a loss of $3500. All is covered by insurance.

The fire started in the Tremayne store from an unknown cause.

FOLWELL DEMANDS PROOF OF CHARGES

Deposed Football Coach Plans Finish Fight to Clear His Name

STUDENTS UP IN ARMS

By ROBERT W. MAXWELL

Football at the University of Pennsylvania again is stranded on the rocks. The turbulent conditions that existed one year ago are back once more, and unless the horizon clears in the next few days there is likely to be trouble galore on the west side of the river.

Bob Folwell, head coach of the football team, has been "fired" by the faculty athletic committee. His enemy as a graduate tutor is not questioned, but it was stated by Dr. A. W. Goodspeed, chairman of the committee, that "other reasons" prompted the action.

Furthermore, Doctor Goodspeed said that question of salary was not taken up, and Folwell had no chance to be retained "at any price."

The student body, almost to a man behind the coach who built a winning team for Penn, is aroused today, openly charging that the committee made the announcement during the mid-year examinations when the student body is disorganized, as happened when Dr. Scott Nearing was dismissed.

The Daily Pennsylvanian, which was suspended for the examinations, is all activity, with reporters scurrying about getting interviews for the "extra" that is to be published tomorrow. Should the papers' investigations fail to produce specific charges against Folwell, a mass-meeting will be held tomorrow night in Weightman Hall, according to Gilbert Lang, managing editor. In case the students are barred from the hall they will hire another meeting place, he said. The matter will be taken to the provost, according to student plans.

Provost Edgar Fahs Smith today said that he had received no official information as to Folwell's dismissal.

"I have only read of it in the newspapers," he said. "It seems to me that it is a matter for the faculty committee on athletics."

Football players who suspect that Folwell's actions on the Pacific coast trip of the team is the cause of the dismissal declared that the feelings of alumni at Pasadena, Cal., were hurt by the brusqueness of Folwell, who shut himself in to avoid crowds of the curious. It was intimated on the campus that the student body would not support the Athletic Association should the committee fail to name specific charges against the deposed coach.

It was inferred that Folwell did little character building for the members of his

Continued on Page Ten, Column Four

Beardwalk Pageant Pleases Brady

ATLANTIC CITY, Jan. 30.—A move into a suite of two rooms with twelve windows, from which he can at all times view the passing pageant on the Boardwalk, caused a further rise in the spirits of "Diamond Jim" Brady, New York millionaire, who is a hotel-bound invalid. Brady's condition is improved, physicians say.

ENGLAND ONLY BAR TO EARLY PEACE

Britain Alone in Way to Success of Wilson Settlement Plans

SEEK TO MOVE LONDON

Peace Moves Reported Planned by President

PRESIDENT WILSON, it is learned from Entente diplomatic sources in Washington, is likely to make either one of the following moves in the near future in his efforts to end the European war:

First. Formally invite official discussion by the belligerent Governments of the principles of the peace program outlined in his speech to the Senate, without reference to specific terms in the form of concessions, reparation, indemnity or apology.

Second. Or an invitation to the belligerent Governments to send representatives to confer with a commission representing the United States for the discussion of general principles which may be agreed upon as the basis for an armistice pending actual treaties of peace.

WASHINGTON, Jan. 30.

Only the opposition of Great Britain has to be overcome to insure the ultimate success of the President's plans for restoration of world peace. That is the almost unanimous opinion among those understood to be in the confidence of the President, officially here are awaiting the receipt of the promised note from Berlin indicating the German Government's willingness to conclude peace before one side or the other side is crushed.

The flat indorsement of the President's proposal for the prevention of future international conflicts, outlined in the unofficial version of the Teuton communication, while not entirely unexpected here, has added great strength and impetus to the movement for peace inaugurated by President

Continued on Page Four, Column Two

LITTLE GIRL RECOVERS AFTER HEART STOPPED

Child Collapses During Operation, but Is Revived After 35 Minutes' Coaching of Organ

CHICAGO, Jan. 30.—Little Elizabeth Kelsey, seven-year-old daughter of James C. Kelsey, a banker, is on the road to recovery today after her heart had stopped beating during an operation and life had been restored artificially.

The child collapsed while under an anesthetic and, after the heart action had been stilled, was revived by methods of resuscitating gas and drowned victims. Her heart was coached along for a period of thirty-five minutes before Dr. Elmer E. Vaughn announced that she would live.

QUICK NEWS

STEEL DECLARES 1 3-4 EXTRA ON COMMON STOCK

NEW YORK, Jan. 30.—United States Steel directors declared an extra dividend of 1 3-4 per cent. on the common stock.

VARE FAVORS DELAWARE RIVER BRIDGE

State Senator Edwin H. Vare announced this afternoon to the Senate that he would give his support to the project of building the bridge across the Delaware connecting Philadelphia and Camden. The Philadelphia Chamber of Commerce has asked State aid for the project and in commenting on the Chamber's communication Senator Vare announced his support of it.

30,000 BARRELS OF POTATOES BAKED BROWN

HOUSTON, Mo., Jan. 30.—Four frame buildings, containing more than 30,000 barrels of potatoes, were destroyed by fire of 'Bill Stiling early today. The loss is more than $150,000.

AUSTRIAN DESTROYER DAMAGED IN BATTLE

ROME, Jan. 30.—During an engagement in the Adriatic between Austro-Hungarian and Italian destroyers several shots hit the Austro-Hungarian's destroyer Huszar and so badly damaged it had to be towed into port, the Tribuna announced today. The Huszar was not in the big battle. The Italian flotilla was not damaged. The Huszar carries a crew of sixty-five men and is equipped with one 11-pounder, seven 2-pounders and two torpedo tubes.

JERSEY LEGISLATURE ELECTS NEW COMPTROLLER

TRENTON, Jan. 30.—The State Legislature in joint session today elected Newton A. S. Hughes as State Comptroller to succeed Edward L. Edwards, whose term will soon expire. The Comptroller-elect is a Republican.

NAVAL COMMITTEE FAVORS GRAYSON APPOINTMENT

WASHINGTON, Jan. 30.—The Senate Naval Affairs Committee this afternoon voted to recommend confirmation of the appointment of Dr. Cary T. Grayson, the President's personal physician, as a medical director of the navy, with rank of rear admiral.

FLETCHER TO GO TO MEXICO "VERY SOON"

WASHINGTON, Jan. 30.—United States Ambassador Fletcher will be sent to his post in Mexico City "very soon," it was officially learned today. This official recognition of the Carranza regime marks the second step in President Wilson's new policy toward Mexico. The first was withdrawal of General Pershing's army.

SEVEREST EARTHQUAKE IN TWO YEARS RECORDED

WASHINGTON, Jan. 30.—The most severe earthquake in two years was recorded by the Georgetown University seismograph last night. Tremors began at 9:47 a. m. and died away at 12:54. Recording needles were dislodged at 10:26 p. m. The center of the disturbance was estimated 5000 miles from Washington.

WILSON FAVORS POSTMASTER PLAN

WASHINGTON, Jan. 30.—President Wilson is indicated to congressional leaders that he favors the Poindexter amendment to the executive, legislative and judicial appropriation bill, bringing all postmasters nominated by the Chief Executive within the classified civil service of the Government and making appointments hereafter from the proper grades as vacancies occur. The amendment was offered in the Senate by Senator Poindexter and accepted by Senator Bryan, Florida, who had charge of the bill.

MARITIME EXCHANGE URGES MODERN ICEBOAT

A modern iceboat so constructed as to meet the requirements of commerce on the Delaware River should be provided by the municipal authorities at once to replace the old city icebOat No. 1, recently condemned and sold. This resolution was adopted by the Commerce and Transportation Committee of the Philadelphia Maritime Exchange and a copy has been sent to Director Webster, of the Department of Wharves, Docks and Ferries.

U-BOAT REPORTED SUNK IDENTIFIED AS U-27

CHRISTIANIA, Jan. 30.—The German submarine recently reported sunk near Hammerfest was the U-27, commanded by Captain Bember, according to information received here today.

NATIONAL COMMERCE CHAMBER COUNCIL MEETS

WASHINGTON, Jan. 30.—Eight hundred and fifty members of the National Council of the Chamber of Commerce of the United States will convene here this afternoon to pass on a program of legislation for the convention of the chamber itself, beginning tomorrow. Selection of a nominating committee to select a new board of directors, whose names will be presented to the chamber, was the principal business on hand.

IMPORTERS ASK U. S. TO REFUND $2,500,000

WASHINGTON, Jan. 30.—New York importers have petitioned the Treasury Department to refund them approximately $2,500,000, representing ten per cent. of duties on imports from Germany and Austria since February, 1915, on the ground that officials had levied duties that were warranted by the value because of the depreciation of German and Austrian currency.

STEAMSHIP CARGO BLOWN UP; NINE MEN LOST

LONDON, Jan. 30.—The steamship Argo has been blown up with a loss of nine men, according to announcement today. Nine of her crew were safely landed. The Argo was an iron steamship of 1781 tons, owned by H. M. Wrenzell & Co. and of Norwegian registry. Her home port was Haugesund.

$1,000,000 CLUB HOUSE SACRIFICED FOR BELGIANS

NEW YORK, Jan. 30.—Four thousand of starving Belgians may have relief, the Rocky Mountain Club of New York, with hundreds of wealthy mining magnates on its roster, will focus the pleasures of a millionaire's clubhouse. The club has voted to devote $1,000,000 intended for a clubhouse to the Belgian Relief Fund.

APPENDIX-SAVING LAW PLANNED IN SOUTH DAKOTA

PIERRE, S. D., Jan. 30.—Under terms of a bill which will be presented to the South Dakota Legislature, surgeons who remove an appendix which is not diseased will not be paid for the operation. To prevent crimes of the State against unskilful and unscrupulous practitioners, the bill provides that all vermiform appendices removed must be sent to the State Laboratory for examination.

TEXAS WOMEN MAY OBTAIN VOTE

AUSTIN, Tex., Jan. 30.—A bill to permit women to vote in all Texas primaries, which in effect would provide complete woman suffrage as the primaries here correspond to general election elsewhere, has been introduced in the State Senate. Sponsors of the bill express confidence that it would receive the necessary majority vote.

PNEUMONIA DEATH RECORD BROKEN THIS YEAR

All records for fatalities from pneumonia for a like period in this city have been broken since the first of the year. Assistant Director of Health and Charities Mace blames the citizens for being careless and negligent. Seven hundred and fifty-two persons have died from the disease since January 1.

HOLLWEG STATEMENT EXPECTED TOMORROW

AMSTERDAM, Jan. 30.—Dr. von Bethmann-Hollweg, the German Chancellor, is expected to make a statement on foreign affairs when the Ways and Means Committee of the Reichstag meets tomorrow, says a dispatch from Berlin.

VARE COMPELS FOES TO DELAY BILL FOR PROBE

Penrose, Lacking Two Votes in Senate, Heeds Plea for Time

AFTER FACTION PARLEY

Sproul, Father of Resolution to Investigate Governor, Says Holdover Was Agreed

Governor Gives His Views on Proposed Investigation

"I COURT and invite the fullest investigation of my official acts and of all those associated with me in public service.

"We unhesitatingly invite a full, free, fair investigation.

"The resolution referred to is vague, indefinite and opens the way to investigate endlessly all State, city, county, borough and township officials.

"Resolution holds no evidence to the people of Pennsylvania that this is other than a factional contest from which no essential good can flow to the people of the Commonwealth."

—GOVERNOR BRUMBAUGH.

By a Staff Correspondent

HARRISBURG, Pa., Jan. 30.—The Penrose faction was forced to delay action on the Sproul resolution to investigate the Brumbaugh administration in the Senate today, and the measure may be held up indefinitely.

When the Penrose leaders in the Senate counted hopes as the upper house of the General Assembly met this morning, they discovered that they did not have more than twenty-four votes. It would have required twenty-six votes to pass the resolution, which was on third reading and could have been called up for final passage in the Senate.

Senator Charles H. Kline, Allegheny, was the only one of last night's absentees who was present today. He is a candidate for Judge in his home county, and so far is "on the fence" about the resolution. His vote, however, would have given the Penrose people only 25, one short of a majority.

After the Senate had delayed reading the resolution it was called up in its regular order, and then, upon motion of Senator Sproul, its sponsor, it was held over.

The probe measure, therefore, will be on the Senate calendar for third reading next Monday night and unless the Penrose forces gain at least two more votes, it will remain held up indefinitely.

The Penrose leaders also are fearful of the House, and it developed today that they do not want to send the measure there, even though they had enough votes to pass it in the Senate, until they have had opportunity thoroughly to canvass the House.

Senator Sproul gave as his reason for having the resolution held over the fact that Senator Vare and other members of the Senate had come to him and asked him to wait until next Monday.

Senator Vare said that he had agreed to have the measure go over before the Senate met today.

SPROUL STILL CONFIDENT

"It was held over out of courtesy to Senator Vare and other members of the Senate," said Sproul. He asserted that there were enough members in the chamber to pass it today and added:

"It was held over because of an agreement."

After last night's stormy session, the leaders of both factions got together for a long conference.

Although denying any knowledge of contemplated changes in the resolution, Sproul said that, while it was being held over, "we want to talk with several people."

It is probable that the resolution will be greatly modified before it comes before the Senate for final passage. If it is not, the Vare-Brumbaugh forces made it plain today, a bitter fight will be waged to defeat it.

The action of the Senate came as a big surprise, after the boasts of the Penrose Senate leaders. They have been confidently asserting all along, and even as late as this morning, that they have a majority of the

Continued on Page Five, Column Three

STATE-WIDE PROHIBITION BILL IN THE HOUSE

Introduced by Representative Lex N. Mitchell, Jefferson County Progressive

By a Staff Correspondent

HARRISBURG, Jan. 30. — A bill for State wide prohibition in Pennsylvania after January 1, next, was introduced in the House today by Representative Lex N. Mitchell, Progressive, of Jefferson County.

The measure was prepared jointly by Mitchell, J. Day Brownlee, Jr., attorney for the Anti-Saloon League of Pennsylvania, and Wayne E. Wheeler, attorney for the Anti-Saloon League of America. It prohibits the sale and manufacture of liquor for beverage purposes. There is a provision, however, that it shall not be construed to prohibit any person from manufacturing wine or cider for his own domestic consumption. Also it does not prohibit the sale of alcohol for medicinal, sacramental, scientific and mechanical purposes.

No Pastor; Why? Twins!

ROME, N. Y., Jan. 30.—There were no services at the Presbyterian Church in Kenoxberg. The congregation had waited half an hour restlessly. Then one of the ushers went to the home of the pastor, the Rev. Robert Duncan. A nurse at the door said, "Twins."

NORSE SHIP BOWDEN ASHORE OFF BARNEGAT

Vessel in Distress Identified as Sugar Freighter Out From Cuba for Yonkers, N. Y.

NEW YORK, Jan. 30.—Wireless reports from the crew of the coast guard cutter Mohawk today identified the vessel ashore off Barnegat Light on the New Jersey coast as the Norwegian steamship Bowden.

The Bowden is not in danger and will be pulled off the sands, according to reports from the Mohawk. She piled up on the shoals shortly after midnight last night, and her shrieking whistle notified life guards at Barnegat, who attempted to reach her, but were forced to return after their surf boat had been dashed back again and again by the heavy seas. Later they boarded her with a motor lifeboat. The heavy fog made it impossible to distinguish the vessel from shore for several hours this morning.

Bound from Cienfuegos to Yonkers, N. Y., the Bowden carried a cargo of 8600 bags of sugar.

$20,000 Fire at Peoria, Ill.

PEORIA, Ill., Jan. 30.—Fire, which for a time threatened to destroy several buildings in the business district, was placed under control today after it had caused damage of $20,000 to half a dozen store buildings.

THE WEATHER

FORECAST

For Philadelphia and vicinity—Fair and colder tonight, with lowest temperature about 25 degrees; Wednesday increasing cloudiness, followed by rain or snow; gentle winds, mostly northeast.

LENGTH OF DAY

Sun rises....7:11 a.m. | Moon sets....1:09 a.m.
Sun sets.....5:16 p.m. | Moon south....6:43 p.m.

DELAWARE RIVER TIDE CHANGES

CHESTNUT STREET

Low water...1:58 a.m. | Low water...2:32 p.m.
High water..7:25 a.m. | High water..7:48 p.m.

TEMPERATURES AT EACH HOUR

8	9	10	11	12	1	2	3	4	5
37	38	40	48	48	49	49	50		

EXPLOSION IN ELECTRIC PLANT KILLS WORKMAN

Accumulation of Gases in Ash Tank Also Badly Injuries Another Employe

A man was killed today in an explosion at the main plant of the Philadelphia Electric Company, Twenty-eighth and Christian streets, and another suffered a fracture of the leg. A tank which was used as a reservoir for ashes, twenty feet in diameter and twenty-five feet high, was blown to pieces.

About an hour before the accident a man was found dead in the yard. An investigation has been undertaken to determine whether he died of natural causes or whether the accumulation of gases, which is believed to have caused the explosion, also caused his death. Two horses were killed.

The man killed in the explosion was Andrew Bradley, thirty-eight years old, of 2836 Pelts street. He was taken to the Polyclinic Hospital, but according to physicians there he had been killed instantly. The man killed before the explosion was Walter L. Muesse, thirty-six years old, of 1450 East Columbia avenue. Bradley was foreman in charge of all of the laborers at the plant, Muesse was an operator of the suction system by which the ashes are drawn from the station to the tank, which is in the yard of the electric plant and a considerable distance from the main building.

The right leg of Clarence Laws, twenty-three years old, 2906 Alter street, was broken in the accident. Laws is employed by a teamster, who has a subcontract to haul away ashes. Laws and Bradley were working beneath the reservoir when the explosion occurred. Muesse was found unconscious near the tank about 7 o'clock this morning by a watchman employed by the electric company. Several men who were working with Laws and Bradley suffered severe nervous shock but were otherwise uninjured.

The explosion caused a heavy detonation and the neighborhood was shaken.

The tank was made of concrete. The explosion broke its circular wall into hundreds of pieces, scattering them in all directions. A great sheet of flame shot into the air, and although the noise was not great, the force of the flare-up shook the surrounding neighborhood.