

THE second private concert of the Orphaus Chub will take place in New York on Satur-January 30. The concert will be repeated withis city at the Academy of Music on Satmisy, February 6. The University Club of New York will sing with the Orpheus Club.

Mrs. Cyrus H. K. Curtis, of Lyndon, Wyncote, ed entertain the Women's Club of Wyncote, which Mrs. Victor J. Mulford is president, at a musicale tomorrow night.

Miss Harriet Clay Leaf will entertain at heen today at the Belgravia, in honor of Mes Sophy Bispham, daughter of the Rev. Dr. and Mrs. Clarence W. Bispham. The other guests will be Miss Edith Gillingham, Miss borothy De Haven Deacon, Miss Isabelle Milne Redgers and Miss Mary Hall Laird. Miss Ruth Wilson and Miss Dorothy Mason, of Washingun who have been the guests of Miss Bispham for several weeks, were also to be at the lunchsen given by Miss Leaf, but they were obliged to return to Washington early in the week.

Mrs. Warner J. Steel and Miss McCrea will give a bridge luncheon tomorrow in honor Mrs. John Rodgers, of Washington.

Much interest has been centered in the anseuncement by Mr. and Mrs. Lewis L. Gibney, of 105 Stuart avenue, Downingtown, of the enpagement of their daughter, Mary Louise Gibsey, to Frank Hoy Mancill, of Downingtown. Mr. Mancill, who has just been admitted to the Philadelphia bar, was graduated from the University of Pennsylvania Law School last year, and was president of the senior class. The marriage will take place early in the spring.

Mr. and Mrs. John S. Gustine will entertain at dinner at their home, 1813 Pine street, on February 11.

#### ALONG THE MAIN LINE

OVERBROOK-A novelty dance is being arranged by Mrs. James Wilson and Miss Adele Moster, to be given Tuesday, February 2, at the Overbrook Golf Club, the proceeds to be used to help fernish several of the clubrooms. A number of interesting and amusing features have been planned. Dancing contests will be given and cons will be awarded to the winners.

Miss Frances McCann, quaintly costumed as a flower girl, will carry a basket filled with posles for the women and boutonnieres for the men. Miss Surette Shultz, garbed as a Turkish cigarette girl, will, needless to say, act as a cigarette runder. The ballroom and dining rooms will be artistically decorated in rose color with softshaded lights and rosebuds on the tables. Mrs. George Strawbridge is chairman of the Entertilment Committee.

Mrs. Matthew M. Gilmore will entertain the members of her bridge club next Tuesday.

CYNWYD-Mrs. Robert Stewart, Jr., of Montgemery and Pembroke roads, will give a lunchon of eight covers tomorrow, followed by cards. The guests will be Mrs. Harvey Boyer, Mrs. Lille Jarrett, Miss Nellie Young, Mrs. J. Murmy Ellsey, Mrs. Michael O'Hara, Mrs. Gustave A Cobourn and Mrs. Frank J. Colgan.

Miss Edna S. Haupt, of Bryn Mawr avenue. will entertain at bridge tomorrow night in tonor of Miss Constance Barclay, of Newark, M. J., who is her guest over the week-end.

RARBERTH-A most delightful musical progam has been arranged for the musical evemor of the Fortnightly Club, to be held tohorrow night at the home of Mrs. Augustus J. loss, of Haverford avenue. About 35 guests will be present.

Among the artists will be Sheldon Woodle, Malin; Frank Stone, piano; W. T. Nash. 'cello; Jeeph Nash, second violin; Mrs. Wayne Alny, sourano; Mr. Ainy, 'cello; Augustus J. Loos, Wells: Miss Fannis Loos, plane, and Miss Mary Disser, contralto. Mrs. F. H. Harjes, Jr., will rend two selections from Eugene Field.

The next meeting of the Fortnightly Club will be held Friday afternoon, February 5, at the home of Mrs. Loos. Mr. and Mrs. F. R. Rainear, of Essex avenue,

entertained their Wednesday evening Bridge Club last night. Mrs. Samuel Laird, of Easex avenue, Nar-

berth, entertained her sewing class at luncheon Justerday. Her guests included Mrs. Daniel lamss McHugh, Mrs. J. C. McHugh, Mrs. Andrw Steacy, Mrs. C. Bauers and Mrs. Phass.

#### GERMANTOWN

Mr. and Mrs. Patrick Grant, 2d, left on Satwday for Bellaire, Fla., where they will resain until February 1. They will be the guests of Mrs. Grant's family, Mr. and Mrs. Jacob Steelman Disston, who will remain for several

Miss Mildred Lindsey, of West Walnut lane, entertaining Miss Helen Enger, of New York, for several days.

Mas Katharine Simons, of West Walnut has, is entertaining Miss Virginia Bartlett and Miss Mary Garrett Bartlett, of Baltimore, who are sisters of Miss Simons' fiance, J. Kempha Bartlett. Miss Simons entertained yesterfor informally at bridge in honor of her

Mrs. Miers Fisher Wright, of Upsal station, satertaining Miss Frances Wendell, of New lork, for several days.

Mrs. Anne M. Simpson, of 195 Cliveden avehas as her guest Miss Alice Mae Hardy, of Cleveland, O. Mrs. Simpson will entertain uncheon and bridge in honor of Miss Mae triy today. About 30 guests will be present. B Friday Mrs. Mortimer Eastburn, of Benezet est, will give an auction party, and on Minday evening Mrs. J. Barton King will enbetain at bridge in honor of Miss Mae Hardy. A sumber of other entertainments are being arranged also.

The annual dinner of the Automobile Club will be held on Saturday evening, January 30. It will be, as usual, a stag affair.

# ALONG THE READING

Mrs. Eugene Carlin, of Mather avenue, Jen-Mown, will entertain at a children's party as afternoon from 3 until 5 o'clock in honor Miss Eathlean Devine, who is her guest for weral days. Among the children who will field are Miss Mary Prentsel, Miss Anna entsel Miss Margaret Carlin, Miss Roth Motile and Miss Elles ff. Done.

The Frances Robbins, of Webster avenue. is the of this season's popular debuthe the guest of honor at a lunchess end party restorday afternoon at the home

of Mrs. Charles L. Fredericks, Wenonah, N. J. Her other guests included Mrs. Calvin D. Beers, Mrs. George W. Jones, Mrs. Mende Laurent, Mrs. George Grosscup, Mrs. Alfred J. Griffith. Miss L. Dana White and Miss Hannah Carter.

Miss Hannah Hallowell and Miss Elizabeth Hendrickson will be hostesses at a tango tea this afternoon from 3 to 5 o'clock at the Old York Road Country Club.

Mrs. James Tyre, of 6716 North 8th street, Oak Lane, will be hosters at a luncheon this afternoon. She will be assisted in receiving by Mrs. E. Sykes and Mrs. William J. Harmer. Miss Ethel Sykes and Miss June Harmer will be the guests of honor.

#### WEST PHILADELPHIA

Miss Helen Roberts, of 4238 Spruce street, will entertain the bridge club of which she is a member today. Those present will be Mrs. Walter Peterson, Miss Gladys McCarthy, Miss Edna Wiler, Miss Florence Elliot, Mrs. Charles Loring Elliot, Miss Marjorie Morris, Miss Dorothy Mortimoore, Miss Kathryne Mortimoore, Miss Anne McKnight, Mrs. Albert Stuetz, Mrs. Warren Moss, Miss Helen Dunn, Mrs. Harold McAneny, Mrs. L. Browne and Miss Romaine Taylor,

Mr. and Mrs. D. R. Richardson, of 4829 Walton avenue, will leave the early part of February for Palm Beach. They will remain South for several weeks, returning to their home before

Mr. and Mrs. Henry F. Clark, of 4920 Cedar avenue, will entertain the members of their card club on Saturday night. Their guests will include Mr. and Mrs. Samuel H. Shearer, Mr. and Mrs. Henry Rogers Swope, Mr. and Mrs. Edward Newton Haag, Mr. and Mrs. Theodore Nelson Spencer, Mr. and Mrs. Walter Walls, Mr. and Mrs. H. White and Mr. and Mrs. Harrison U. Diesel.

Mrs. William McGonigal entertained at bridge yesterday afternoon at her home, 4336 Sansom street.

#### SOUTH PHILADELPHIA

Mr. and Mrs. Thomas F. Boyle, of 2223 South Broad street, have issued invitations for a dance, followed by a buffet supper at the Manufacturers' Club on Friday, January 29. Their guests will be Mr. and Mrs. William Allen, Mr. and Mrs. John M. Bradley, Mr. and Mrs Maurice Crean, Mr. and Mrs. Joseph Gardiner, Mr. and Mrs. Daniel Donohue, Mr. and Mrs. James Hallahan, Mr. and Mrs. James Hazlett, Mr. and Mrs. John Hatchler, Mr. and Mrs. Harrison Hahn, Mr. and Mrs. G. von Phul Jones, Mr. and Mrs. Robert Johnson, Mr. and Mrs. Freeland Kendrick, Mr. and Mrs. Thomas H. Lewis, Mr. and Mrs. Peter A. Lynch, Mr. and Mrs. Frank Kolb, Mr. and Mrs. Frederick Martin, Mr. and Mrs. John McAvoy, Mr. and Mrs. John McConeghy, Mr. and Mrs. Robert McConeghy, Mr. and Mrs. John Moroney, Mr. and Mrs. James Moroney, Judge John Patterson and Mrs. Patterson, Mr. and Mrs. Frank Fage, Dr. and Mrs. Frederick Park, Mr. and Mrs. Charles B. Prettyman, Mr. and Mrs. Harry Ransley, Mr. and Mrs. Harry Reese, Mr. and Mrs. Burton Simon, Mr. and Mrs. George Sheppard, Mr. and Mrs. Thomas Simmons, Mr. and Mrs. Frank B. Stockley, Mr. and Mrs. George Shisler, Mr. and Mrs. John R. Scott, Mr. and Mrs. Harry Shetzline, Mr. and Mrs. Frank Tust, Senator Edwin H. Vare and Mrs. Vare, Congressman William S. Vare and Mrs. Vare, Mr. and Mrs. Samuel Wahn, Mr. and Mrs. Basil Mr. and Mrs. Francis P. and Mrs. B. L. Wagner, Mr. and Mrs. Joseph Williams, Mr. and Mrs. William Wilson, Mr. and Mrs. George W. Young, Mrs. George Vare, Miss Ida M. Vare, Miss Charlotte Vare, Miss Ella Mae Young, Miss Elizabeth Walsh, Miss Frances Stead, Miss Anna McMahon, Miss Mary Darcy, Miss Mary Moroney, Miss Anne E. Vare, Miss Helen Morris, Robert S. Wickham, A. Balfour Brehnan, Frank Walsh, Richard Walsh, Charles Shisler, Charles Miller Welld, John Matthew, Daniel Hogan and Dr. Charles H. Earhart.

Mr. and Mrs. James A. Hamfiton entertained last evening at a Dutch supper, followed by cards, at their home, 2024 South 16th street. in honor of their guests, Mr. and Mrs. William H. Meyer, of New York city, and Mrs. George Dunn, of Pittsburgh. The guests were Dr. and Mrs. Edward A. Treacy, Mr. and Mrs. J. Griffith, Mr. and Mrs. Gerald Dougherty, Mrs. John Foley, Mrs. Genevieve Galligan and Dr. Sayles T Frazier.

# MATINEE MUSICAL CLUB

#### Concert This Week Was Held With Great Success at the Roosevelt.

The concert given this week at the Rooseveit by the Matinee Musical Club attracted so many members and their friends that many persons were turned away for lack of accommodation. The inadequacy of accommodations for the rapidly growing organization was so manifest that there will doubtless be renewed activity in the project of the clubhouse. Following the concert there was a reception.

The program was of great interest, and there was an especially warm welcome for the young barytone, Piotr Wizla, who is coming into great prominence in the local musical world. He sang the prologue from "Pagliscci" in costume and later was heard in an aria from Verdi's opera, "Nabucco." The singers were in appropriate costume for the singing of the arias on the program, and there was a charming duet by Maud Hanson Pettit and Marie G. Loughney, with a selection from "Madam Butterfly" as the offering. Jens. Kneedler Johnson was heard in "O beaus eves evanouis," from Saint-Saens' "Ettenne Marcel." As Mrs. Johnson substituted for Mrs. Dunn, compelled because of illness to remain away, the aria came as a surprise. Henry Lukens splendidly accompanied Mrs. Johnson. Mildred Moore Johnson, a planist, gave a spirited and able rendition of a Verdi-Lisst "Rigoletto" selection. Emily Stokes Hagar, with the Polonaise from "Mignon" to charm, and Effic Leland Golz. who played the prelude of "Cyrano," by Walter Damrosch, as a violin solo, completed the entertainment. Mary Miller Mount and Emilie Fricke, as well as Henry Lukens, were the so-

The third of the series of dances that the Matines Musical Club is holding this season at the Roosevelt is acheduled for Friday ever ning. January M. The dance is in charge of Miss Marie G. Loughney, Miss Helen Benners, Mrs. Harold Busby, Miss Emilie Fricks, Mrs. Frank McManus, Mrs. Charles Miller, Mrs. George Weiler and Miss Helon Walnut.



MISS ATHALIA HIRST Miss Hirst is the debutante daughter of Mrs. James Hirst, of Chestnut Hill. She will be given a luncheon at the Bellevue-Stratford today by Mrs. Thomas J. Barger, of The Gables, Ardmore

THE wedding of Miss Mary Crozer Page, I daughter of Mr. and Mrs. Louis Rodman Page, of 2002 Spruce street, will take place today to Joseph Marechal Brown, Jr. The house where the ceremony will be performed will be elaborately decorated with palms, ferns, smilax and white flowers. The Rev. Albert G. Brown, S. J., an uncle of the bridegroom, will officiate.

Miss Page will be attended by her sister, Mrs. Caspar Wistar Hacker, as matron of honor, The bridesmaids will be Miss Margaret Crozer Fox and Miss Mary Rulon Miller. J. Carroll Brown, of Baltimore, brother of the bridegroom, will be best man.

Miss Page will be gowned in heavy white satin with a court train. Her veil will be of tulle, and will be caught with orange blossoms. She will carry a shower bouquet of white orchids and lilies of the valley.

The matron of honor and the bridesmaids will be gowned alike in dresses of blue satin, and will wear black velvet hats, trimmed with pink roses and blue ribbon. On their return from their wedding journey Mr. and Mrs. Brown will occupy apartments at the Rittenhouse until the completion of their home in Bryn Mawr.

# FRANKFORD

A party was given this week in honor of the birthday anniversary of Silas M. Gordon, son of Mr. and Mrs. William Gordon, of 2815 Kirkbride street, Bridesburg. The engagement of William Gordon and Miss Meeley Minch was announced at dinner. There were three generations of Gordons present, and the guests included Mr. and Mrs. William Gordon, Mr. and Mrs. Silas M. Gordon, Mr. and Mrs. Arthur Gordon, William Gordon, Miss Meeley Minch, Frederick Gordon and Malbeley Gordon.

George Neville, of Frankford and Townsends Inlet, has gone to White Pigeon, Mich., where he will be the guest of his niece.

# ROXBOROUGH

Mrs. John O. Struse, of 6510 Ridge avenue, entertained the following at bridge yesterday afternoon: Mrs. Benjamin Hendren, Mrs. Charles J. Nice, Mrs. Arthur Johnston, Mrs. William Wilson, Mrs. William Bush, Mrs. Horace Kenworthy, Mrs. Alfred Johnston, Mrs. Frederick Fowles and Mrs. Harry Thompson. Mrs. Charles P. Martyn, secretary of the Roxborough Ladies' Auxiliary of Camp Devitt, at Deer Mountain, Allenwood, will hold a homemade cake and bread sale on Saturday, January 30, at her home on East Walnut lane, in aid of the work of the association.

# NORTH PHILADELPHIA

Mrs. George Niedenthal and daughter, Ruth, returned yesterday from a visit with Miss Frances Meyer in Harrisburg.

Miss Minnle Waxman, whose marriage to her cousin, Mark Waxman, of Brooklyn, will take place at the Willoughby Mansion, that city. was the recipient of a linen shower, Tuesday night, at the home of Miss Cecilia Elikofsky, 3201 West Montgomery avenue, the donors being the William Penn High School Scrority, class of 1914. Every bit of linen presented to Miss Waxman was hand-embroidered, the work of

her classmates. Among those present were Miss Dorothy G. Feinstein, Miss Cecilia M. Platt, Miss Cecilia Elikofsky, Miss Claire L. Sturz, Miss Fannis Simson, Miss Dora Ellis and Miss Lenore Scolovits. The only missing member of the sorority was Miss Rose Brown, who is convalescent from illness.

# TIOGA

Among the many interesting entertainments, given in honor of Miss Jeannette Haaker, of New York, was Mr. and Mrs. Leonard R. Weltsel's novelty party at their home, 4609 North Broad street. Other guests were Mr. and Mrs. Leighton Kramer, Mr. and Mrs. George L. Parker, Jr., Mr. and Mrs. Alfred Aarons, Mr. and Mrs. Robert Beatty, Mr. and Mrs. Paul Weitzel, Mr. and Mrs. H. Clay Dinges and Jesso Radley. Other recent delightful affairs in honor of the visitor were Mrs. George L. Parker's bridge and Mr. and Mrs. Leighton Eramer's dinner.

Mr. and Mrs. Abraham Bacharach, of 1827 West Eric avenue, are spending some time in

# OPERATIC SOCIETY TO SING TONIGHT

Victor Herbert's "Serenade" Will Be Given by Society, With the Composer Himself as Leader.

Tonight the Philadelphia Operatic Society will present "The Serenade" in the Metropolitan Opera House. The opera was one of the earliest productions of Victor Herbert, who will be present and lead the orchestra. There will be 150 in the chorus, 32 in the ballet and 40 in the orchestra. Thirty members of the Glee Club of the West Philadelphia High School will sing the part of the brigands in the first act. The cast includes a number of wellknown Philadelphians, among whom will be Miss Marie Stone Langstone, as Dolores; Horace R. Hood, as the Duke of Vera Cruz; E. V. Coffrain, as Alvardo; Mrs. Emily Stokes Hagar, as Yvonne, and Frank M. Conly, as Romero.

The scenery has been loaned by the Metropolitan Opera Company and the work has been supervised by H. W. Fitz Gerald, who was stage manager of the Bostonians when they produced the "Serenade" in New York. The cast and chorus have been carefully trained by Wassill Leps.

This will be the first production of the company since Mrs. Austin Stevens Heckscher was elected president. The society has pledged its presence and the audience will probably outshine the performance of grand opera. Grand tier and proscenium boxes have all been taken by the social leaders, among whom are Mr. and Mrs. E. T. Stotesbury, Mr. and Mrs. T. DeWitt Cuyler, Clement B. Newbold, Mr. and Mrs. Rodman Wanamaker, Miss Nina Lea, Charles C. Harrison, Alfred C. Harrison, Mr. and Mrs. Alexander Van Rensselaer, E. Burgess Warren, Mrs. J. Bertram Lippincott, Thomas Willing Balch, Henry Coxe, Jr., Mr. and Mrs. Samuel Riddle, Mr. and Mrs. Stanley G. Flagg. Jr., J. Willis Martin, Mrs. Randal Morgan, Mrs. John Frederick Lewis, Mr. and Mrs. Samuel F. Houston, Mrs. Sydney Thayer, George H. Frazier, Mrs. L. Howard Weatherly, Charles F. Schibener, Mr. and Mrs. Leopold Stokowski and Mrs. Wassill Leps.



THE largest affair most interesting to the Lyounger set will be a dinner-dance for Miss Kate Furness Jayne, of Wallingford, to be given by her uncle and aunt, Mr. and Mrs. Henry La Barre Jayne, at their home, 1035 Spruce street. The guests, of which there will be about 100, will be seated at small tables and will be mainly from the debutante and younger men set. Mr. and Mrs. Jayne now occupy the house owned formerly by Beauveau Borie, who at the time of his daughter, Miss Emily Borie's debut, had a ballroom made in the house. Miss Borte is now Mrs. George Beals, of Boston,

Miss Anna Mary Walthour, daughter of Mrs. Taylor Walthour, will be guest of honor at a theatre party, to be followed by supper, to be given by Mrs. Robert W. Downing, of 1824

Mrs. Frank Granger Kennedy, Jr., of 2043 Spruce street, will give a luncheon in honor of Miss Aimee Hutchinson, daughter of Mrs. S. Pemberton Hutchinson.

Miss Athalia Hirst, daughter of Mrs. James Hirst, of Chestnut Hill, will be guest of honor at luncheon given by Mrs. Thomas J. Barger, of The Gables, Ardmore, at the Bellevue-Strat-

# CAMDEN AND VICINITY

"The Artist Prince" will be given tonight in the Young Men's Christian Association auditorium. The play has been directed by Miss Marguerite Austin, of 211 South 6th street, and those who will participate are Miss Mildred Janke, Miss Helen Ake, Miss Grace Huff, Mulcolm B. Webster and Le Roy Ayers.

Mrs. Albert S. Robb sutertained her bridge club recently at her home at 300 Penn strest. Among the members are Mrs. Samuel F. Glenn, Mrs. Benjamin Lacky, Miss Katherine Warren. Miss Susan Benstedt, Mrs. Mary Van Vredenburg and Miss Bessle Lon.

# BEST THOUGHT OF AMERICA

#### Digest of the Magazines

(1) Collier's—"French Surgical Auto-mobiles." (2) McClure's - "The Terrible Sub-(3) Independent - "The Zeppelin That (4) Motor Age — "Wrecked Cars Re-juvenated," (5) Review of Reviews-"Testing Cloth or German Uniforms."

(6) Scientific American — "Hunger Strikes an Aid to Good Health."

# PRACTICAL SCIENCES The practical application of science stands

out in almost every article on the war. Indeed, except for the purely descriptive, most of the articles deal with warrare as a science. The former importance of leaders and the temperament and numbers of men has sunk into insignificance beside the highly developed mechanism of scientific warfare.

There are two distinct tendencies; one toward the development of offensive warfare and the other toward nullifying the results of this offensive. Thus, seemingly, science contradicts the old text about serving two masters, for the scientists are today serving, on the one hand, the gods of hate, and on the other the gods of pity. While one group devises siege guns to destroy men by battalions, and Zeppelins to blot out entire townships, another group experiment with vaccines and surgery to reduce the mortality among the wounded and reclaim a greater percentage of those who are fortunate enough to escape the malevolent ingenuity of the gods of hate.

In spite of their purposes of mercy, there seems a cruel refinement about the new French surgical ambulances, fitted out as complete operating rooms on wheels, which follow the armies almost to the firing line, and picking up the wounded as fast as the new devices can produce them, begin to operate on what is left, and put the malmed in condition to return to the front, to be wounded again or, perhaps, killed outright. Describing the advance in medical science

in this war, Gelett Burgess writes (1): In this war, Gelett Burgess writes (1).

Of the wounds received only about 8 per cent, have been fatal. This low percentage has been attained by great improvement in the ambulance work. Military surgery has been brought to its highest efficiency in the surgical automobile manufactured by Boulant for the French army. These cars make it possible to operate while the battle is in progress, not with the atroclous slaughter house ress, not with the atrocious slaughter house methods and technique that have made pre-vious wars infamous, but under conditions as advantageous as in the best hospitals, within a mile of the places where the wounded have

Each of these automobiles is a complete and independent surgical unit, consisting of (1), a comfortable and rigorously aseptic operting room; (2), an adequate collection of surgical instruments; (3), sterilizers for wa-ter, instruments and dressings; (4), air sterilizers producing ozone; (5), electric lighting and heating, and (6), radiograph ap-

The submarine and the 42-centimeter gun are the two supreme scientific achievements of the gods of hate. The submarine is described by Burton Hendrick (2):

It was a Yale freshman, David Bushnell, who discovered the principle of submarine warfare which the Germans are now using so effectively. All through his college days, from 1771 to 1775, he worked steadily at his favorite hobby, a vessel that would sail uner water. Not until about 15 years ago did the great

navies seriously take up the idea. Again hostility to England resurrected the sub-marine, again the weaker naval powers se-lected it as the only means of assailing Englected it as the only means of assailing England's preponderance at sea. The submarine is the most peculiar weapon ever introduced into warfare. This is because it is the only weapon against which there is no defense. There is no way of fighting a submarine. There is nothing you can send against it, not even itself. Conceivably, a single little vessel of this kind could destroy a whole battle fleet, ship after ship. As a matter of naval strategy, therefore, it endangers chiefly the stronger power. At the present moment the British fleet has no means of meeting substronger power. At the present moment the British fleet has no means of meeting sub-marine attacks,

The science of aviation has furnished the gods of hate an efficient substitute for the classic messenger with wings in his beels. These modern Mercuries fly as swiftly at the bidding of their lords, scattering thunderbolts of destruction in true Olympian style. H. B. Needham repeats the story of the young British naval lieutenant, who, after a secret reconnoitering trip, drew the map for the successful aeroplane raid on the Zeppelin airship factory at Friedrichshaffen. The young officer tells the story of the

The start was made on Saturday morning. three machines, at intervals of five min-utes. Briggs is the finest pilot of the lot, a scientific fiver. In peace times he goes up surrounded with instruments for the meas-urement of altitude, air speed, engine speed and angles of tilt. His four bombs landed and angles of tilt. His four bombs landed on the sheds, but a punctured petrol tank forced him to land. After landing, he fired every shot in his automatic pistol at the Germans, in order to divert attention from the flyers behind him. Thanks is due to the German officer who telegraphed that Briggs' wounds are not serious. They potted him as he came down. he came down. Sippe saw the shrapnel shells burst around

Briggs' machine, so he sailed along six feet above Lake Constance, took them by sur-prise, and when they did see him they could not tilt their guns to that angle. He rose to 1200 feet, let loose a bomb which dropped

to 1200 feet, let loose a bomb which dropped on the pavement, puncturing the hydrogen gasometers, dived to about 400 feet and dropped two more, hitting the Zeppelin abed, then got away. He succeeded in rathing the Germans, who scattered after his first bomb and thus drew attention away from Babbie following.

After him came Babington, flying 90 miles an hour at an altitude of 4000 feet. He made a plumb-nose dive down to 400 feet, dropping his bombs on the mark, the Zeppelin shed. He was traveling so fast that he felt the kick of his bombs, traveling over 200 miles an hour at the bottom of his dive, probably faster than any man ever traveled who came out alive. First thing he said when he came down on friendly soil was: "Never saw anything so rotten as their shooting. They ought to be shot." Just like him.

Paralleling the work of medical science in

Paralleling the work of medical science in reclaiming human bodies is the work of a branch of the Allies' engineer corps, which rescues all the motorcars left in the wake of either army, sending them back to a big repair depot about 100 miles west of the firing line, where they are either overhauled or junked. W. F. Bradley describes the yard (4):

the yard (i):

At the beginning of a row of 50 cars were two German touring cars. The Dixi had gone over a bank when the driver was shot by a British scout. For weeks the machine lay rotting in the mud until the breakdown gang brought it in. Although its metal work was red with rust, its fenders and running board carried away, the instruction card read: "Complete overhaul; return to advanced base." Next down were three London taxicabs. They were destined for the scrap heap. On a ruliroad truck, ready to be unloaded, was a six-cylinder Daimler, on the front wing of which a shell had exploded killing the driver and the man by his side, and carrying away most of the front part of the vehicle. Behind it was a yallow bercedes with the Gorman arms painted on the door panel. Reaching back into more procaic paths, away from the glamour as well as the hor-

rors of the battlefield, scientists are still at work devising improvements for every detail of the soldier's equipment (6):

tail of the soldier's equipment (5):

A new process for determining the durability of cloth used in uniforms has recently been invented. It was described in a recent number of the Zeitschrift fur Angewandte Chemie (Journal of Applied Chemistry). It has been found that while dynnmometer tests of yarn for strength and stretch are absolutely reliable, they do not always give a correct idea of the wearing quality of the fabric. This led various governments to seek a further test by a shaving or scraping machine, the idea being that this test would more nearly approximate the results obtained in usage. The tests are made in comparison with a given type fabric, and the quality of the cloth is estimated by the number of revolutions before the cloth teurs. The greatest difficulty was in the manufacture of suitable rollers for the machine. The best results have been obtained with rollers having sharply cut grooves by which the shaving was effected. Moreover, specially prepared carborundum rollers were employed, which were found to remain intact, even after four or five months' use.

An article on "Hunger Strike an Ald to

An article on "Hunger Strike an Ald to Good Health," by Maud Pearl, carries us back to the days when the British Government was harried and heckled by a handful of women. Although this ingenious theory is too late to be of service to the English War Office, it is still of general interest (6).

#### AMUSEMENTS

Glacier National Park TRAVELOGUE

MR. LAURENCE D. KITCHELL of the Rureau of Commercial Economics With Motion Pictures and Hand-Tinted Sildes at the ACADEMY OF MUSIC

Wednesday, January 27, 2 P. M. HOME RELIEF DIVISION EMERGENCY AID COMMITTEE Seats, 50c, 25c and 15c. On Sale at All Agencies and Door ACADEMY OF MUSIC

# NEWMAN With Actual War Pictures

Tomor. At BERLIN War DRU, 2:80 Tickets 50c, 75c, 81 at Heppe's, Amphitheatre, 25c.

LYRIC LAST FOUR TIMES FAREWELL APPEARANCE MARIE TEMPEST W Graham Browne TONIGHT, FRI. & SAT. NIGHT. SAT. MATINES "THE MARRIAGE OF KITTY" AND "THE DUMB AND THE BLIND"

NEXT WEEK—SEATS TODAY MR. CYRIL MAUDE "GRUMPY"

GLOBE VAUDEVILLE THE MUSICAL COMEDY STARS McWATTERS & TYSON EXCEPTIONAL SURROUNDING

BILL OF 8 ACTS FORREST This and Next Week. Evgs. 8:18

CHARLES FROHMAN Presents
The Great Three Star Combination JULIA SANDERSON DONALD BRIAN JOSEPH CAWTHORN in THE GIRL FROM UTAH

GARRICK Last 3 Evgs. Baturday THE MIRACLE MAN
NEXT WEEK-SEATS TODAY
A H WOODS Prosents LEW FIELDS IN THE HIGH COST OF LOVING

MAUDE ADAMS BROAD

LEO DITRICHSTEIN

Chestnut St. OPERA | Home of World's Greatest Photoplay THE CHRISTIAN BIG WEEK 4 Times Daily AFTS. 1 & 8-10c and 15c, 25c

METROPOLITAN OPERA HOUSE SATURDAY, JAN. 23 MATINER NIGHT PAVLOWA

(The Divinity of the Dance)
TWO ENTIRELY NEW PROGRAMS
Seats now. 1109 Chestnut St. Prices, 50c to \$2.50. ADELPHI LAST FIVE TIMES
POPULAR \$1 MATINEE TODAY
SAM BERNARD "THE BELLIE OF
BOND STREET" "THE THIRD PARTY" with

METROPOLITAN OPERA HOUSE METROPOLITAN OPERA CO., NEW YORK TUES. EVO.,

JAN. 26 AT 8.

BORIS GODUNOW

Mmes. Ober, Delaunots, Duchens, Sparkes,
Didur, Aithouse, Rothler, Bada, Segurals, Relea,
Conductor, Mr. Polacco, Seats 1109 Chestnut Street,
Walnut 7935; Race 67.

VICTORIA
MARKET AND NINTH
11 A. M. to 11 P. M.
Vaudeville
Vaudeville
Vaudeville
Vaudeville Southern Beauties Ten Shapsity
Southern Beauties Ten Shapsity
Photo-Play Penture. "APTER HER MILLIONS"
Funnier than "Tillie's Punctured Romance." ACADEMY OF MUSIC-Wednesday, Jan. 27, 6 P. M. THE BEHILENS OPERA CLUB GRAND OPERA GRAND BALLET

"Magic Flute" "Die Puppenfee" Chorus 100 Hellet 60 Orchestra 60 Supert Cast Reserved Seats, 1119 Chestnut st., \$2, \$1.50, \$1. METROPOLITAN OPERA HOUSE

TONIGHT The Serenade Victor Herbust's at 8 Conducted by the componer. Presented by THE at 8
Conducted by the composer. Presented by THE
PHILADELFHIA OPERATIC SOCIETY
Excellent cast. Chorus of 150. Ballet 52
Beats (including 50c reserved seat), 1109 Cheatnut st.

PALACE Theatre | 1314 MARKET ST. VAUDEVILLE | MERSERIEAU & CO. AND OTHERS PHOTOPLAY GLADYS HANSON IN THE STRAIGHT ROAD Market St. ab. 16th PICTURES 11 to 11

Stanley | MARIE DORO In "THE MORALS OF MARCUS Vaudeville Photoplays

Evenings I notopiny

1 4 9
10, 18, 200 Bill Mon 4 Taur B. F. Keith's Theatre Rippins of Laughter D. P. Kettii S I Heatte and Sung Gim Edwards and His New 1914-18 doing Revus Emma Carna. sesisted by Carl Randall Valley for and John Kling: Ed. Victor and Valley Comments of the Comment of the Comment

GRAND GEO. PELIX & BARRY SIGNATURE OF STREET LITTLE The CRITIC THEATRE TORIGH BIRG LAST S THE EMPIRE PRIZE WINNERS

DUMONT'S DUMONT'S WINDERS CASINO DIBATRA