

tronomers Hope to Get Good Glimpse of Planet Between June 10 and 18

OILY 42,300,000 MILES OFF

fars and the earth will be only 42. miles spart on June 18, and is only a step to the astronomer. and on June 10, when the distance rating the planets will be but hely greater, this will be in the it favorable opposition, when light tions will be best.

For this reason, in the period be these dates. astronomers are ing that new facts bearing upon long-discussed possibility of life he long-discussed possibility of life an Mars may be brought to light in on Mars may be brought to light in observations through a great one hun-dred-foot telescope, the largest in the world, recently placed in the observa-tor at Mount Wilson, Calif.

Mars is the most favorably sit-nated of all our sister planets for ob-servation." said the Rev. Walter A. Matos, of Swarthmore, an astronomical

Matos, of Swarthmore, an astronomical authority. "At certain times, when the motions of the earth and Mars around the sun bring all three in a straight line, or in opposition, as we call it, Mars is the sightest of the heavenly bodies, brighter than the first magnitude stars, and sometimes outshining even Sirius, usually the brightest of all. "Such an opposition will occur on Jame 10 at 10 A. M. (daylight-say-ing time). The hour will be differ-ent, of course, for other spots on the

ent of course. for other spots on the earth's surface. During this opposi-tion it is expected that observations at position Mt. Wilson will be taken, which, on account of the large size of the new telescope, may well reveal hitherto un-hnown data about Mars."

Light Conditions Good

The reason why the planet's opposi-tion affords such a good opportunity for observation is that at that time, being almost exactly on the other side of the earth from the sun, the sun's manue of the god of war of anci-thology. MEMORIAL PLANS ts surface toward the earth, thus obsising the maximum power and inten-

sity, and making the ruddy planet par-ticularly bright and distinct. "Not only will this be a splendid rtunity for observation on account of the opposition of Mars." continued Mr. Matos. "but this particular opposition will occur at a time when the two planets are unusually close to each other, thus making observation doubly

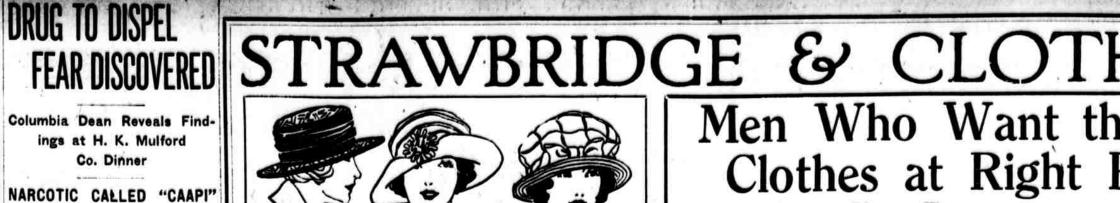
"The average distance between the two planets when they swing into op-position to each other in their orbits is about 48,600,000 miles. This varies, metimes being as much as 63,000,000

miles and at the closest only 35,000,000 miles, the closest the earth and Mars can ever approach. This time there will be 42,300,000 miles between them as they come into opposition. With the astronomer 42,300,000 miles brink to nothing when compared with the distances of some of the spiral nebu-lae, which are so far off that their light

s thousands upon thousands of s to reach us, whereas the light a Mars is but four or five minutes eaching the earth.

Dealing in Large Figures light travels at the rate of 186,300 miles a second." Mr. Matos explained;

staty minutes in an hour, twenty-four hours in a day and 365 days in a year. New multiply this total by about 10 or and you will have a figure representing



The discovery of a drug known as

'caapi'' which apparently has the power of banishing fear, was announced in this city by Dr. H. H. Rusby, dean of the College of Pharmacy of Columbia

University. Dr. Rusby spoke last night at a dinner in the Manufacturers' Club in honor of members of the Mulford blological expedition. The scientists hunted in South America for new drugs. The pharmacy school dean said he has two pounds of "caapi," virtually all there is in this country, but that the amount is not large enough for experi-

mental purposes. A larger shipment is expected in a month or so, he said, and complete tests will be made. Chemists who attended the dinner loses that of the earth but does not follow its path very closely, as it is not concentric with the earth's orbit. thought involuntarily what a boon would be to married men re-'caapi' turning home late without an excuse. Dr. Rusby said the drug was found Dr. Orland E. White, a member of by Dr. Orland the expedition.

Its story, as related by Dr. Rusby, s as follows: The drug has been used for years, ac-

cording to one or two meager but au-thentic accounts, by the Indians of thentic accounts, by the Indians of Colombia before going into battle. It is prepared from the roots of a plant. Treparation of the drug is marked by great ceremonial rites, which the eyes of women are forbidden to see. The penalty for a woman to see it adminis-tered or to take it is death. A ceremonial dance accompanied the drinking of the drug. When it is given a convulsive trembling is produced, the blood leaves the face and pallor ansues. the two planets when they come into op-Just why Mars is red no one knows,

says Mr. Matos, but the lurid, ruddy aspect of the planet, so different from the pure blue-white light of the other bodies, led long ago to its association in blood leaves the face and pallor ensues. But after a few moments the blood re-turns to the head and the sort of cour-

age "that would make a cat spit into a buildog's face'' courses in the blood of the drinker.

Another drug that was found is 'mire' and which is expected to have MADE BY LEGION great therapeutic value. It is appar-ently related to the tobacco plant. The bark of the root is used in its prepara-tion. When taken it paralyzes the motor centers—the user of it is un-

able to speak or to walk without stagsering. Some hours after it is taken the user

is bathed in a profuse perspiration which is said to be so powerful that it destroys any parasites in the skin.

SAVOY PLAY TONIGHT

Seventy Will Participate in "Iolanthe" Operatic Performance The twenty-first annual play of the Savoy Company will be given tonight, tomorrow and Saturday, in the Broad Woodland at. - 9 Street Theatre. Each year the company, which is composed of amateurs. presents a Gilbert and Sullivan oper-This year's performance is tta.

The production is being given as a ous streets in the benefit for the Alfred Reginald Allen Memorial in the department or music. rial tablet in Connell's Park. They will go next to the Paschall Library, and decorate the memorial tablet there. A human will be several in the Library and participate. A dress rehearsal was held participate. A dress rehearsal was held School of Fine Arts, University of uncheon will be served in the Library last night. Einborate scenic effects



EVENING PUBLIC LEDGER-PHILADELPHIA, THURSDAY, MAY 25, 1922

To-morrow Choose Holiday Millinery

For all the Holiday occasions, free from care and conventionality, and expressing freedom in countless variations, in sports clothes, particularly in the gay, light little Hats that are first to be noticed and last to be forgotten, in any sportive assemblage.

Banded Sailors are Right to the Fore

In striking combinations of straws and shades—quite the newest is the irregular basket chip straw, bound in plain colored hemp. (One sketched, \$5.00). Prices \$2.50 to \$8.50.

Felt Hats in All Shapes and Sizes Of felt-and-straw, all-felt and silk-and-felt, \$5.00 to \$15.00.

The Natural Leghorn Hats are Charming Many oddly shaped, many smartly contrasted with colored straws. These include the new Radio shape.

Innumerable Little Ribbon Sports Hats Light as a feather and gay as a flower. One sketched (\$10) is of latticed ribbons in a deep azure blue; and the Hat with the cunning cocarde, is of silk and Milan (\$12.00.) Prices \$3.00 to \$10.00. > Strawbridge & Clothier-Second Floor, Market Street, Wes

Women's New Silk Dresses

Much Under Price \$19.75 to \$35.00

In fact, some are marked at former wholesale prices, and some at less than early-season wholesale prices. Dresses of such fine materials as Canton crepe, Krepe-Knit, crepe de / chine, soft taffetas and the elegant velette. Some very simply fashioned on plain-tailored lines, others elaborately beaded and embroidered, some in combinations of two colors or two shades—a beautiful variety for selection. Black, rust, brown, gray, henna, navy blue, canna and tan.

The model sketched, of Canton crepe, \$19.75. New Gingham Frocks

\$7.50 to \$13.75

These appropriate all the new fashion conceits of the season-in tunics, in panels, in slip-on effects. Many have the great airy sash bows and pretty, fresh, cool-looking white trimmings.

Fine Summer Frocks

\$18.50 to \$25.00

effects.

The aristocratic linen in charmingly simple styles, linen and voile in various combinations, fine tissues with touches of lace, dotted Swiss in styles that usually belong to silks. Light and darl

-> Strawbridge & Clothler-Second Floor, Market Street

Corsets

The best inexpensive Corsets

made. Designed for women

of average figure, and larger

women who desire comfort-

able Corsets on smart lines

that are extra durable. All

are reinforced over the abdo-

men and substantially boned

with graduating front clasp.



Should Come Here To-morrow to Meet All Their Needs

Come here, where the assortment is the largest. where the prices are lowest, quality considered, and where only dependable Clothing is sold. We are Philadelphia's distributors for Hart, Schaffner & Marx. Stein-Bloch, Alco and our own exclusive Wickham Suits. Note the lowness of these prices, and to-morrow note the excellence of material, style and tailoring:

Hart, Schaffner & Marx Suits in Smart New Styles

\$35 Exceptionally fine Spring Suits made by Hart, Schaffner & Marx. Many models and materials. Alco and Wickham suits also at this price.

Remarkable Group of Suits in COL Sports and Other Styles **J**20

Suits of springtime fabrics and fine blue serges, with the newest sports coats, as well as more conservative models for both young and older men.

Handsome Suits of fine All-wool Blue Serge



One of the many things for which this Store is noted is the Blue Serge Suit values available. These at \$29.50 are exceptional. All sizes, regular, stout, slender and tall. Others are \$25.00 and \$35.00

Suits With Extra Trousers, \$23.50

Sturdy worsted Suits with an extra pair of trousers to insure practically double wear. Regular and stout sizes.

Youths' Suits with Extra Trousers, \$27.50 All-wool Suits, made especially for youths be-

tween 16 and 19 years of age. Smart, new sports models. Two-Piece Suits in Tropical

Weaves, \$16.50

Cool Suits of mohair and many other summer-weight materials, \$16.50. Some at \$25.00 and others Clething ready for you, too.

Others at \$5.00 and \$6.50. In suiting patterns, stripes and mixtures.

Low Prices for Sports Trousers

Separate Trousers at \$3.95

White Flannel Trousers at \$8.50. White Duck Trousers at \$2.00. Khaki Trousers of good quality-\$2.00. Office Coats, Dusters and other hot weather

- -> Stambridge & Conter-Second Floor, East



More Posts Announce Programs to Honor Men Who Died During War

A continuation of the various Memorial programs of Legion posts

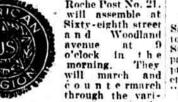


by the Rev. W. Pugh.

Church in America.

paign for \$100,000

countermarch through the varineighborhood, and decorate the memo-



lolanthe.

Building. In the afternoon the post members will be taken in automobiles to Fifty-second and Race streets, the starting point of the West Philadelphin Legion wosts' parade

astrology with war and bloodshed, and caused it to be christened with the name of the god of war of ancient my-

When Mars Nears

42, 300, 00 Miles

On June 10 the sun, the earth and

Mars will be in opposition, as

shown in the above diagram, as event eagerly swalted by astrono-

mers, as it will be the most favor-able opposition for purposes of ob-

servation since 1909. The reduced

distance between the two planets,

42,300,000 miles, combined with unusually, good light conditions

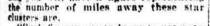
caused by the opposition, will afford

a care opportunity to examine the

planet

35,000.00 Miles

63,000,000 Miles



"Such figures are to large to use even astronomical calculations, of course. Therefore, the astronomer is forced to compute the distances of the furthest bodies in terms of light years, or the distance a ray of light can travel in a

"So distant are the spiral nebulae. "So distant are the spiral nebulae. that some astronomers think them island universes, complete universes in themselves, utterly removed from ours and all others. "In other words, a human being, re-

noved to one of the spiral nebulae, and boking up into the sky, would see our anlyerse, including all the stars and planets which we see in our sky (exdurive of the nebulae themselves), as a misty blur of luminosity such as we see when we train our telescope upon the

"pital nebulae." This conception, together with the awe-inspiring thought that the light from such bodies has been 60,000 years in reaching us, and that we see them only as they were 60,000 years ago, long before the dawn of history, in-ples a feeling of almost neighborly fa-where the services for this particular sculpture. millarity with Mars. The latter, so to district will be held.

lation as to the existence of intelligent ife upon that planet.

The fact they extend for hundreds of miles in straight lines across the Martian surfaces, often joining at central points, has led many observers, notably Lowell, of Harvard, to believe that these marks are great irriltants to conserve their supply of mois-

Former Theory Disproved

"They have at least served to diswe the theory, held as late as 1875. hat there are lead and sea areas on Mars, for the canals cross the supposed

"Mars has its po'ar snow caps, just the earth has, and as a matter of the temperature of Mars, being further away from the sun, is appreciably colder. The theory has been dvanced that the frost deposits at the des are really frozen carbon dioxide.

Mars differs from the humdrum old the first place, the Martian year is PENROSE GHOST REFUSES almost twice as long as the earthly one, being GS7 days, although its days are about the same in duration, i. e., twenty-four hours, thirty-seven minutes and 22.67 seconds.

Gravity is not so jotent a force on Mars as hore, and a human being, upon being transmission for the solution of Novelist eing transported suddenly to that planet, would experience some embarassment in keeping himself on the Fround

Also, if there is no atmosphere to Recent much like ours at night, with a unseen form, newspapers "read" by a fidden hand, chairs rocked by an array for the beautiful blue color of our own Take it from Mary Roberts Rinegreat flaming sun in the center of it. sky, is due to the diffraction of the hart, author and novelist, and her hus-sun's rays in our atmosphere. band, Dr. Stanley M. Rinehart, a like," he explained.

Thus the surface of Mars during the medical expert and scientist, the ghost to r y would be fit as by an enormous of Boies Penrose has not even dropped any. day would be lit as by an enormous marchlight and all the heavenly bodwould be visible, except those hidden apartment in Wardman Park Inn." Chairs have stayed in their ac by the sun itself.

Most Veriable of Planets 'Mars is the most variab'e of all the

planets in its orbit, with the exception of Mercury, 's said Mr. Matos. 'The tarth is third in order of distance from the sun, and Mars is fourth, circling in an orbit which immediately in-Doorbells have rung only in response

omebody tocked them.

number of miles away these star first are. Such figures are to large to use even Fifty second street in the Nixon Theatre. Such figures are to large to use even Fifty second street in the Nixon Theatre. ST. AGNES' NURSES' HOME Fifty-second street near Chestnut.

Harry Ingersoll Post. 174, will fall in t 10 A, M. at Twenty-second street Commencement of Training School Also Held Today

and Lehigh avenue, and will march to Mount Vernon Cemetery for services there. There will be a brief parade, music, an address, a prayer by the Rev. The new nurses' home of St. Agnes' Hospital was dedicated this afternoon in conjunction with the annual commencement exercises of the train E. A. Duff, a post chaplain, taps and a volley over the graves by a firing the Ascension and Cardinal Dougherty squad delegated from the Navy Yard. ing school. Today is also the feast of The post will be dismissed at noon. clated.

Kensington Post, No. 68, whose Me-morial Day program has previously been printed, will attend next Sunday a supecial Memorial service in the Bea-con Church at East Cumberland and Cedar streets. There will be an address by the Rev. W. Pugh The dedication brings to a reality r tached to the hospital, but the second

Logan Post, No. 676, and other posts as a hospital ward where the students will receive instruction in nursing pro-

Over the main entrance of the building, facing north, is a large group sculptured in bas-relief. The figures of the Mother of Christ, St. Ann, St. Ffancis and members of the Third Or-der are carved in stone while the same

Ever since the discovery by Schin-parelli of the "canali," or channels popularly called "canals," upon the metace of Mars, there has been specu-Rev. Dr. Knubel Will Start Com

ppears on the south side of the build-Rev. Dr. Knubel Will Start Caming. facing McKean street. The ground floor contains, beside the kitchens, cafeteria and dining rooms, The opening gun of the \$100,000 ap-The opening gun of the \$100,000 ap-ample space for a swimming pool which peal for Lutheran Inner Missions will will be installed later. The third, fourth

be fired in St. Matthew's Lutheran and fifth floors are utilized as sleeping Church, Broad and Mount Vernon have a separate room with running streets, this evening by the Rev. Dr. water. Frederick H. Knubel, of New York,

BAPTIST UNION MEETS

Dr. Knubel, E. Clarence Miller, Rev. A. R. Petty Speaks at Annual prominent Philadelphia Lanker, the Gathering

speakers. Peter P. Hagan will preside Baptist Church, Twenty-second and

charches will be present. The afternoon session consisted of Pastors, regional chairmen and most annual reports. In the evening will be of the 1000 workers, who expect to "put across" the great movement which begins, officially, next Sunday Church, will speak on "Some Obstacles

SOCIAL CALL ON RINEHARTS

president of the United Lutheran

Rev. Robert Gearbart, pastor of Grace The annual meeting of the Baptist Church, and Sister Edna, of the Union of Philadelphia and surrounding Lutheran Settlement House, will be the towns is being held today at the Temple

the gas which is used to charge soda and continued all next week, will attend. to Americanization."

and representatives of ninety Lutheran Tioga streets.

Night Gowns and S. & C. SPECIAL Extra-size HOUSEKEEPERS'

Chemises at \$2.50 Two of the excellent values in the Sale available to women who wear extra sizes. And there are many more that are equally good value. Night Gowns and Envelope

Chemises of soft nainsook. beautifully trimmed with lace and embroidery. Night Gowns with square neck and set-in

sleeves.__\$2.50 each. Petticoats-\$1.50

Of long cloth, with an em-

broidery ruffle. Corset Covers_\$1.50 Of nainsook, lavishly trimmed with lace and embroidery. **Batiste Bloomers**-75c

Cambric Drawers, \$1.00

Strawbridge & Clothler-Taird Floor, West **Chamois-Lisle Gloves**, \$1.00 Sixteen-button and Strap-wrist Styles Every woman will want at least one pair of each of these serviceable Wash Gloves for practical wear this summer.



-> Strawbridge & Clothier-Third Ploor. Filbert Street, West



FILBERT ST.

6

\$1.95

H A N D KERCHIEFS, of 50c, 75c and \$1.25. but they don't compare with plain linen-25c, 35c, 50c, 75c, \$1,00 and \$1,50. GARTERS, prominent these imported Hats from a noted English house, which brands-25c, 35c, 50c, 75c. INITIAL HANDKER. SUSPENDERS-75c, \$1.00 we are selling at this price, CHIEFS, of fire linen--35c, and \$2.50. 50c, 75c and \$1.00. Wickham Straw Hats-\$2.85 BELTS, of several kinds-FANCY LINES HAND. Panama Hats-\$3.50 to \$10 50e, \$1.00, \$1.50, \$2.00 and KERCHIEFS, in plonty of Leghorn Hats-\$3 to \$7.45 \$2.50. Madagascar Soft Hats-\$5 styles-The to \$100. Caps, from 95c to \$3.50 BELT BUCKLES, plain ARM BANDS ... they do White Duck Sports Hatsand initialed-31.50, \$2.00. and after 50c and \$1.00 Second First Market Street East \$2.50, \$5.00, \$4.00, \$5.00, \$7.00 to I and Micrise. Street Pross At Women's Fine Summer Clothes for Boys Suits and knickerbockers, attractive in both price and style. Made with rough-and-tumble lon-wear in mind, strongly sewed, amply full in cut. Cheviot Suits With Palm Beach Suits Extra Trousers For Warm Days \$10.50 \$9.75 A -word cuestor a attentrettu ne Palm Beach cloth the states. Coat is mehanmen both pare number into Suite in several new of roomy in kerbockers full-brief. Sizes st is. Those shades - sand, to 17 tenes. gang and tan. Sizes 8 to 17 Blue Serge Suits State-Extra \$8.50 Boys' Wash Suits Value Variously Priced Conts with yoke and plaited back, mehalr-line i, Knobe -Khaki Sports Suits, \$2.15. bookers are full-lined for longer wear if to 17 years. Balkan Suits at \$1.35 Midde and Oliver Twist, \$1.95 Wash Knickerbockers Well Made Gray rash Knacheeso-kers at The Knaki Kuckerbockers at \$1.25 \$1.05 White it. Kuckerbockers, at Kuhrkenbeckers of Paim Beach 81.25 cloth at \$2,05 -s- mb i co i a accordante ast, sua Women's Corrective Shoes in Smart Styles of the Season If Foot Ailments Prevent Your Shoes From Fitting Let Us Correct Them In the Department of Orthepracy, in the Shoe Store, an expert if a f these who suffer from foot troubles to select Corrective Shoes. The X-RAY FOOT-O-SCOPE will show the bones of the foot in the Shoe, so that you may be accurately and scientifically fitted. Women who consider a smart appearance should see these Shoes. They give comfort, prove and yet are shapely and good looking. Arch Preserver Shoes for Women-\$8.50 to \$12.50 Including High Shoes and Oxfords in black and brown, also of white canvas. J. J. Grover's Sons Co. Shoes-\$9 to \$11.00 The famous "Soft Shoes for tender fe t." Of glazed kidskin. S. & C. Arch Motor Shoes-\$11.00 to \$15.00 Corrective Shoes of brown or black glazel, kidskin. Women find the arch, the flexible shanks and Arch-Guide rubber heels are wonderfully comfortable.

> For Foot Ailments Consult an Expert Trained in the Wizard Lightfoot System of Shoe Correction. Now in the Shoe Store. - Sterebridge & Clothier-Eighth and Filbert Streets

in for a social call since they leased and moved into the former Penrese we saw the story, but haven't seen the Chairs have stayed in their accustions to the stayed in their accustion of the stayed in their accustion of the stayed in the st

By a Staff Correspondent The much like ours at pick. Washington, May 25.—It was a good to formerly presided, the outline of the senare, where Pen-rose formerly presided, the outline of the senare, where Pen-rose formerly presided, the outline of the senare, where Pen-rose formerly presided, the outline of the senare, where Pen-rose formerly presided, the outline of the senare, where Pen-rose formerly presided, the outline of the senare, where Pen-rose formerly presided, the outline of the senare, where Pen-rose formerly presided, the outline of the senare, where Pen-rose formerly presided, the outline of the senare, where Pen-rose formerly presided, the outline of the senare, where Pen-rose formerly presided, the outline of the senare, where Pen-rose formerly presided, the outline of the senare, where Pen-ters in the daytime, must present a by a hidden hand, chairs rocked by an as usual—and no ghosts have been seen

to record such incidents if there of Boies Penrose has not even dropped any. But there haven't been. It' in for a social call since they leased out of the whole cloth. There's noth

reporter who called there was no foundation for such a story. It is absurd.

ton Apartments of Novelist Committee of the Senate, where Pen-

Dr. Rinehart, torn between emotions of anger and amusement, spoiled it all, We're not spiritualists or anything "We'd be glad

organdie collar and sash.

Strawbridge & Clothier-Aisle 13, Market Street

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