DESERET EVENING NEWS: SATURDAY, JUNE 9, 1900.



on in astronomy.

These women are employed in conneciges either as computers, photograhe large women's colleges are sup-

is a fallacy to assume that women of many societies of scholars and was ever succeed in the exact sciences. this country alone many women are king a great success of one of the at exact of all the sciences-that of Campo Verano in Rome. omy, where the variation of a onth part in a computation or the rving of a hair's breadth in the adment of a delicate instrument is a ter of great import.

freaking of women's work in astronthe average well informed person This is a mistake.

tong ago, when Egypt was writing history in stone, the records show women were initiated into the dy of astronomy by the priestly sais in whom all the wisdom of the omer of ability.

the beautiful and unfortunate Hypawas an observer of the stars; so e was Mary Summerville, whose an annual pension of £300,

Hildegarde, the pious abbess of ernicus by three centuries.

stories of the achievements of Cunitz, Mme. Elisabeth Helve- enly bodies. Marie Clara Muller, Marie Kirche,

TERY few people are aware that men of science. Caroline Herschel, sisamong the observers of the recent | ter of the great Sir William Herschel, eclipse of the sun were at least a was the discoverer of eight comets and the publisher of seven catalogues of stars and nebulæ. Her devotion to her brother was remarkable and in no small

a with the observatories of the great degree contributed to his success,

Of the women astronomers Scarpellini is of the heavens or as teachers. of Italy, Mme. Rumke of Germany, Caroline Herschel of England and Maria with observatories with all the Mitchell of America may be classed as at appliances for the study of the the greatest. Scarpellini belonged to a Vassar, Smith, Wellesley, Swarth- family whose members were eminent Bryn Mawr, Mount Holyoke and in many lines of science. She organized life have observatories, and Bar- a meteorological station, edited a bullethrough the courtesy of the as- tin, made the first catalogue of meteors mical department of Columbia, af- observed in Italy and made a study of is women opportunities to study the the influence' of the moon on earthquakes. She was an honorary member

awarded a gold medal by the Italian government in honor of her work. A statue to her memory adorns the Maria Mitchell, who for about 20 years

held the professorship of astronomy at Vassar, is too well known to require more than passing mention. If a congress of women professionally

interested in astronomy were to be called today, it might number about 100. at in refer to Caroline Herschel and The University of Harvard has cona Mitchell as the only women who nected with its astronomical departachieved fame in the study of the ment about 19 women who are engaged in making calculations. Mrs. W. P. Fleming is the most eminent of these ladies. She was born in Dundee, Scotland, and in 1879, after her marriage. came to the United States and became one of the computers at Harvard. She is was centered. Berenice, after now in the department for the examm a constellation was named and ination of the photographic plates taken was the daughter of one of the with the Draper telescope. She has miss, is believed to have been an discovered a number of variable stars and confirmed the discovery of several

new stars. Dr. Dorothea Klumpke of San Franthe fascinating Eudocia, empress theodosius II. In modern times measurement of the plates of the astrophotographic catalogue at the Paris obrements were so well regarded servatory. Her thesis on "The Rings of if the British government granted Saturn" recently obtained for her the degree of doctor of mathematical science from the French university at convent of Mount St. Rupert, near Sorbonne. Several young women asen-on-the-Rhine, published as the sist Miss Klumpke in her work in the t of her investigations a theory of little ivy grown tower in which she solar system which antedated that makes her calculations. All alone, she sometimes spends a night at the telescope watching the course of the heav-

Miss Mary W. Whitney, the head of and Madeline Manfredi, the the astronomical department of Vassar and brilliant Marquise du college, is one of the most distinguished dat, Mme. Lepaute, Elisabeth von of the women astronomers of America. Wilhelmina Bottcher, Minna She was the pupil, as she is the sucand Catherine Scarpellini would cessor, of Maria Mitchell. After gradto shame those of many modern uating at Vassar Miss Whitney studied Whiting conducts her astronomical in

came the assistant at Vassar, and on

After the regular scholastic duties of the day are over Miss Whitney and her | tographs. Their results are most valuassistants give their time to the observation of the cornets and minor planets. The results are published in The being prosecuted by Columbia. One of Astronomical Journal, Popular Astronomy, Astronomische and Nachrichten. Just at present the Vassar staff is studying stellar photographs and expects soon to publish the result of the investigation, which, as photography forms an important part of modern astronom-Ical work, will be of the utmost importance to science. This work is largely matical phase of the work under the di- than that over which the stork presides timable value of the flannel strip, done under Miss Whitney's direction by rection of Professor J. K. Rees, who is as patron saint. The wee person's ward though appreciating the difficulty of Miss Caroline Furness, her assistant in the Vassar observatory.

Connected with Wellesley are two able women astronomers. One of these is Miss Sarah F. Whiting, in charge of the department relating to the new astro physics, who lectures to the gen-

at Cambridge, Mass., under Professor sued under the auspices of Columbia Benjamin Pierce and at the University university, which has one of the finest of Zurich, Switzerland. In 1889 she be, observatories and one of the ablest staffs of professors in the country. Miss Mitchell's retirement succeeded Five women are connected with the de-

partment. These are engaged in making calculations in regard to astral phoable, as two of the most important of modern astronomical investigations are these is the determination of the north and south poles by astronomical calcu-lations and the other the fixing of the variation of latitude. Miss Flora E. Harpham is exceptionally skillful in the use of astronomical instruments and is noted for mathematical accuracy. Her time is devoted entirely to the mathe-

to the variation of latitude, as well as cost of it astonishes even the most ex-several other important astronomical travagant. Every garment must be baby's body tightly. The up to date investigations. Four women assist handmade, of course, and the innumer- band is so great an improvement upon Miss Harpham in the examination of able thread tucks, the countless inser- the unmanageable length of flannel the photographs and the making of tions of real lace and the hemstitched with which young mothers wreatled measurements from these. Miss Mary Proctor, famous as a writ-

er and lecturer on astronomy, is the daughter of Sir Richard Proctor, one of

the greatest of English astronomers.

Miss Proctor now lives in New York.

Her knowledge of astronomy was ob-

tained from her father, and her advice

is often sought by American astrono-

Mrs. Mabel Loomis Todd is the wife

of Professor David Todd, head of the

astronomical department at Amherst

mers.



0 fashion's continuous fair at the will appeal to every experienced mother moment none is more interesting who long since has learned the inesconducting the investigation in regard robe is positively gorgeous, and the proper adjustment when it was believed

or lace edged ruffles entall a tremen- years ago that there should be no ques-

tion about its use. Those of today are knit or woven of wool or of slik and the housekeeper who glories in growing wool and extend from the armpits well down over the abdomen. They are slipped on over the feet and are made to hug the body closely without binding in any way. They are elastic fully and give with every breath baby draws. ing. Although we are apt to discredit dress reform movements on general princi-

ples, through this medium often come ome valuable health hints. For instance, long petticoats for infants were first denounced by dress reform moth-ers. Today they are discarded by all who understand anything of the re-quirements of comfortable dressing. The flannel pinning blanket and wool stockings keep the infant warm enough below the body, which is already incased in a band and shirt. Over these is needed nothing heavier than a cotton slip. When the temperature varies, a light baby blanket or shawl wrapped about the infant will supply sufficient additional warmth.

Box coats are the accepted mode for nfants and are decidedly picturesque The long, loose lines are quite in keep ing with the simple method employed in cutting children's clothes.

Girls in their first corsets are ignoring the de Milo lines and instead are affecting the Russian small waist. This they obtain in a new way. After the corset is fitted they put on a tiny belt, which they buckle tightly over it and wear beneath their outer garments. This, according to one fledgeling, defines the line more clearly than does the lacing of the corset in sections by means of several strings. The corset aided by this viselike belt, naturally sooner assumes the curves of the coveted figure.

Parasois with half a dozen different overs to harmonize with as many different costumes are among the novelties. The parasol proper is of white or anous material, much as that fabric is some favorite shade of slik. The covers used this season. Within, however, it are made of lace, chiffon or dotted mull. Is quite a different story. The smart-Lace ones are composed of the all over est parasols are lined with bands of variety or of many ruffles. Those of ruching and rows of shirring, with a chiffon are platted, hand painted, tuck- | dainty, gathered piece of lace where the ed or shirred. Mull covers are plain, stick passes through the shade. This with a deep frill ribbon trimmed. In stick is nearly always handsomely shop parlance we speak of the "petticoated parasol," which is a name well for many parasols, for a handsome one suited to the new and fascinating summer sunshade.

The unsuccessful legislation regard- | moderately curved and of medium size.

Then one of them can always be in the air, where it may be sprayed and care. fully nursed at the first signs of droop-Daisy May

ing the length of hatpins has given

that needful but somewhat formidable

are now manufactured on the lines of a

broadsword rather than on those of a

rapier. For the coarse straw summer

hats these are all right, but for the vel-

vet chapeaux the inventive genius will

Fichus and Gainsborough hats go

together-that is, if you want to carry

out the beginning of the century style

that one sees so charmingly portrayed

in fancy portraits. The prettiest fichus

are those made of soft chiffon, finished

with fine plaitings drawn into V shape

at the waist and fastened in a bowknot.

To be au fait the Gainsborough's

broad brim should correspond in color,

Talking of hais begets thoughts of

real flowers as well as artificial ones.

If you want to keep your drawing room .

ferns fresh for winter, give them a

summer onling. Plant them in a shady

corner of the yard, where the soft

need the holiday just as much as hu-

man beings do. An excellent plan for

centerpleces for her table is to have

two at once. It is economy in the end.

breezes may invigorate them.

Hatpins

They

adjunct a bit of prominence.

have to try again.

treatment and texture.

New York.

A PARASOL IN BLACK AND WHITE. The insides of the new parasols are as ornate as the outsides were a season or so ago. The covers, while corded and strined, embroidered and appliqued outside, are not to any extent ornament.



ed with flounces or rachings of diaphcarved and jeweled. One stick serves is too costly to be lightly thrown away. The frames of this year's parasols are



struction as a department of applied physics. Professor Ellen Hayes has charge of the department of mathematical as tronomy and has done much fine work in the calculation of the orbits of com Professor Hayes and Professor ets. Whiting received their instruction as guests of professors at celebrated ob-THREE WOMEN ASTRONOMERS. pupil of Professor Pickering of Har vard, who deserves the gratitude of all women for the generous manner in which he has assisted them in astronomical work. Wellesley is now having completed a handsome observatory, the gift of Mrs. John C. Whiting, one of the trustees of the college. Its architectural beauty is as notable as the completeness of its scientific equipment. Miss Elizabeth M. Bardwell, for 22 ears astronomical instructor at Mount Holyoke college and one of the notable women in her profession, died about a year ago, She became a member of the Mount Holyoke faculty îñ. 1866, just a year after Maria Mitchell joined the faculty at Vas-She was a member of the 88.P. British Astronomical association and of other learned societies and contributed to the astronomical journals. These contributions were highly valued on account of their accuracy and charm of style. A fellowship of \$10,000 in memory of Miss Bardwell is now open to subscriptions. The object of the scholarship is to provide for a year's post- mense success; at least one lady jourgraduate course in the universities of nalist receives a salary of £760 a year, Europe. This will serve to further the and there are not a few who have no work of women in astronomy and will difficulty in making from £300 to £500. at the same time be a beautiful memo- The last census in the United States rial of a good and talented woman.

made from deep lace flouncing, tucked

LACE EVENING BERTHA

and gathered in perpendicular rows. At

each end the net portion of the flounce,

which forms the drapery, is tightly

relvet how.

Mary

Proctor.

eral classes on astronomy. Professor



art of the wood is visible beneath th vards of silk and leagues of lace used. A very handsome orib illustrating the ollege and the author of several valxtravagance of the day is composed of table astronomical contributions. Mrs. cellow liberty silk lavishly trimmed in Todd acquired her knowledge of asenaissance lace. There is a deep rufronomy in the observatory of her father, Professor Loomis of Washington. fle of slik falling from the side and She has written a book on the moon. barely escaping the floor. Over this is a closely shirred, lace edged frill, drapfew years ago, when Professor Todd went to Japan at the head of a govern. ed in wide, graceful scallops marked by a series of parrow white ribbon ment expedition to observe an eclipse of the sun, Mrs. Todd accompanied him settes. To a gill rod is adjusted the and rendered valuable assistance. She silk canopy bedecked in cascades of renalssance lace and dotted by rosettes was shown the greatest honor by the thrice the size of those elsewhere em-Japanese government, who put a special yacht at her command and accorded her many unusual privileges to en-Dressing baskets are made to match the cribs in color, and contain lyory able her to study the Ainos, the aboriginal inhabitants of the country, about toilet articles, upon which appear the whom she has since published a charmsmall owner's initials in letters of gold. The color furore has invaded the ining book. ALICE DE BERDT. fantile sanctum, and for the time being LITERARY WOMEN. few nurseries are equipped in white. A crib which is useful and inexpen-It has been estimated that there are sive, as well as unique, may be made in England some 540 women editors, from a large clothesbasket. This basauthors and journalists, and of these a ket is lined with colton batting, over well known publisher has declared that which is daintily sewed some dellcately five have an income of £4,000 a year. In colored china slik or soft finished linen material. The outside is deftly covered journalism women have met with imby means of a top drawstring and several widths of the material drawn together under the bottom. After the handles have been ribbon wrapped big lows are fied upon them. As a matter showed that there were no fewer than of convenience the basket is superior to the standing crib. In it baby can The advanced work of the astronom- 3,000 women engaged in literary, as ical student at Barnard must be pur- I apart from journalistic, work. be carried from one room to another with little trouble and less danger of A PAIR OF SEASONABLE NOVELTIES. injuring the frail back by too much lifting. In selecting a basket care should be taken to see that the sides are tall The lace bertha, which has been ilius-When fruit is served, nothing can be enough to protect the head from possitrated for the benefit of those desirous more appropriate than for the plates in of retrimming an evening bodice, is which the dishes of berries are set to

lous amount of work. Needless to say this makes them very costly.



Chief among the Important belongings of the nursery god is the crib. Nowadays it is a medley of sllk and lace padled, shirred and frilled into a beautcous and downy nest. Usually the frame is of wicker. One of plain pine, however, is less expensive and will be found quite as satisfactory as a foundation for prevailing decorative schemes, as no

The all over lace freck, contrary to expectations, has not lost its graceful uality, although yielding to the importunities of Dame Fashion to discard owing train. Much success is achieved by the bertha arrangement on the are and the correct placing of gauzy rosettes.

FOR BUSY WOMEN READERS.

Ma Flora Stevenson has been elected | among the 15 members elected. She re-brave little nation now trolden down ahead of the queen. and at the school board in Edin-k scotland, at an unusually large st candidate 11,577. One other woman wives, who are

p-Stanford Children's Day home. management while in Edinburgh. In gorgeous jewels. It is one of these lat-a old management while in Edinburgh is graves which is ware the bar of these latold mansion, but handsome.

which clusters of berries are embroiderence to the oval kind. ed. The one shown in the sketch is em-That the influence of fashion extends broidered with blackberries. For the to babyland may be further observed in fruit shades of blue black silk shading the use of mercerized cotton for small into deep blue should be used. The clothes. This and corded dimity are the favored materials. The latter is seldom tucked, but garments made of it are elaborately trimmed in lace bands and edgings.

> barely cover the toes of the silk lined plque shoes, which are pretty and acceptable substitutes for woolen bootees Silk slippers with lace vamps and quilted soles are provided for the little ones who while wearing short frocks are still in arms.

sion is found in the caps of lace. They are close fitting and unlined. Small designs in all over lace are used for their construction. Beneath this filmy headgear baby's soft ringlets get the bene fit of air and sunshine, which, from a hygienic standpoint, is most desirable. No article of raiment has ever been

so freely discussed as baby's dannel usual foliage green tints are needed for band. Extreme advocates of dress r the leaves and stems. The darker part form would discard it altogether. The and pasts buckle. The back of the the shadow, the bluish tints of silk be- ical. He advocates the use of the band bortha resembles the front, minus the ing put on where the light strikes it. as a protection against cold, but not as a support or compress, and invists

In the province of Smolensk, Russia

shank of Waimate. She and Dr. Emily verses were written under a grapevine

The first Mohammedan woman doc-The first Mohammedan woman doc-The first Mohammedan woman doc-Section of the China Inland mission Section of the China In

. management while in Edinburgh. In gorgeous lewels. It is one of these lat-Scotland, as in England and Ireland, ter crowns which is worn when the Miss Ruth Cordis Long, a nlece of the Siedeberg of Dunedin took their degree in a New Jersey back yard when she from different churches and societies.

tor, Mme. Bibi-Razela Koutloularova- numbered 787 and the communicants Salalmanova, has lately begun to prac- 7,805, the proportion of men to women tice at Tashkend. She obtained her among the latter being nearly two to medical education at St. Petersburg.

Braid trimmings become more conspicuous on tailor gowns as the season

advances. A new model showing the gored skirt lends itself well to this mode

the market price for knitting a pair of of being a woman, and that she had socks used to be 1 penny, and women never envied men anything but their physical strength. She confessed that Mrs. Margaret E. Sangster lately ad- | she had always wanted to be able to dressed a New York club on "The Poe- move planos and barrels of sugar.

One Chicago firm has orders for say. en Francés Willard memorial windows Marion Harland said the other day,

"There is no cure for neighborhood gos-

ble drafts. The square shaped basket which the dishes of berries are set to be partially covered by a doily on standpoint, should be chosen in prefer-



of treatment.



gathered up, and the falling border neatly finished off, thus perfecting the flounce illusion. A short length of the lace is then cut in half, horizontally, the upper or net half arranged as an and drapery. The flounce haif, headed by rose leaves, falls round the other BERRY EMBROIDERED DOLLY. arm, leaving the top visible, and at

this side of the bertha a spray of roses with foliage is introduced, while the other side is finished will a velvet bow of the berry will, of course, be that in modern physician's advice is less rad The veinings are in lighter silk.

all municipal offices. This shows the the crewn jewels in the Tower of Lon- voice, a rich and exceptionally fine conliberal and progressive spirit of the don and borne on a velvet cushion traita, in evangelistic work.

the board and by a unani- was elected and one defeated. Mrs. none of which is used except on ex-meeting said that she was always proud
the board and by a unani- was elected and one defeated. Mrs. none of which is used except on ex-meeting said that she was always proud
the total that her and at a recent chance drawing of a lot-total that her and that her and at a recent chance drawing of a lot-total that her and that her and at a recent chance drawing of a lot-total that her and that her and at a recent chance drawing of a lot-total that her and ther and that her and that her and that her and that Martin is the wife of the editor of the traordinary occasions. The grown with a special view to her fitness to ald tery ticket. Leiand Stanford has presented Dundee Advertiser. She stood as an in- which she wore in the last grand recep- the Cuban teachers-300 women and 600 Dr. Sarah Hackett Stevenson has The first woman at Eighth state of a market state of the construction of the construct streets, with an endowment fund (m), for the maintenance of the bad done excellent work in school is to think work in school in New Zealand is Dr. Margaret E. Sangster lately au-the school are simple bands of gold, each set with are simple bands of gold are set wit

