coording to Late Researches Nebulæ Are Neither Very Distant Clusters of Stars Nor Masses of Gas, But Merely a Cluster of Meteorites.

Ptolemy was the first to point out, when he was making his map of the stars, that there were certain "cloudy" stars, of which he gave five on his map, writes J. Norman Lockyer in Harper's Magazine; and Tycho Brahe, whose work was done before the invention of the telescope, although he did not notice any bodies: which we now class as nebulæ, was firmly convinced that that nebulous luminosity which we call the Milky-Way was something entirely different in its nature from the stars. He imagined it to be what he called an ethereal essence, a sort of fire-mist, so that when in his time, in the year 1572, a new star appeared, he supposed it to be a considerable agglomeration of this ethereal fluid. Gallieo was able to show that the Milky-Way, the "ethereal substance" of Tycho, was only an appearance due to enormous numbers of stars lying in the same visual ray; the stars of which it is composed can ladeed be seen with very small optical. Ptolemy was the first to point out, when

It was not till 1612, a few years after the introduction of the telescope, that we got the first real definition of a body which we now call a nebula. The first observation we over to Simon Marius, who stated that some of the bodies visible in his telescope exactly resembled the appearance produced by the flame of a candle seen through horn. It was not till 1656 that the nebula in Orion was discovered, although now to the trained eye it is very easily visible, so that it seems rather wonderful that it was not discovered before. In 1714, in England, attention began to be paid to those bodies, but it was not until the time of Sir William Herschel that the most magnificent revelations were made. He was the first to construct very large telescopes, by means of which objects de. He was the first to constructivery go telescopes, by means of which objects eith appear to the eye as excessively dim, objects entirely invisible to the naked 1, may be brought into full visibility. In sway Sir William Herschel convinced uself of the existence of a true nebulous

this way Sir William Herschel convinced himself of the existence of a true nebulous fluid differing from stars.

After not only Sir William Herschel, but his son, Sir John Herschel, had accumulated vast stores of facts, Lord Rosse took up the story, and made a telescope very much more powerful than any which had been employed by the Herschels. His telescope has a light-grasping power compared with the eye of 130,000. The chief result of Lord Rosse's work to which we need here refer is the idea that in a great many bodies which had been classed as nebulie this enormous increase of optical power suggested that we were only dealing with very distant clusters of stars.

Lord Rosse was able to get the suggestion of "resolvability" in so many bodies which had been classed as nebulse by Sir William Herschel and others that gradually the idea came to be held that the most nebulous nebula, if we could get sufficient optical power to bear upon it, would be broken up into stars just as certainly as the Milky-Way had been by Gallico.

This would mean that the nebulæ were simply clusters of stars so infinitely remote from our ken that even with the power of Lord Rosse's instrument they retained the appearance of an ethercal essence.

This was the general opinion in 1864, in the early days of spectrum analysis, when Dr. Huggins turned his spectroscope one night to one of the plannetary nebulie. At first

the early cays of spectrum analysis, when Dr. Huggins turied his spectroscope one night to one of the planetary nebulae. At first to the hought that something had gone wrong in the apparatus, because he could only see a bright line instead of the usual sort of spectrum obtained from a star. Further work on other nebulae showed him, however, that the spectrescope was doing ever, that the spectroscope was doing its level best, and that the cause, the anom-aly, was really that the nebula gave out monochromatic light, while stars gave out light of all colors.

line visible.

It became Dr. Huggins' duty to find out
the origin of the first line observed, and he
came to the conclusion, after considerable
labor, that this line was very nearly, if not
exactly, in the position of the chief line
scen in the spectrum of nitrogen, and the
suggestion was therefore made that these suggestion was therefore made that these nebulae were masses of introgen and hydrogen gasses mixed, or if not nitrogen, some constituent of nitrogen mixed with hydrogen. That result made the idea of Lord Rosse concerning the possibility of the resolvability of nebulae into stars nntenable. We had to consider from that time that the light of the nebulae came from a gas or vapor, and hence it was held that the nebulae were masses of gas.

Another explanation of the origin of the green line has already been given. If we study the spectrum of magnesium, we find a very bright fluting with its less refrangible edge absolutely in the position of the green line, in the nebulae and in comets the

nestum also visible in the planetary nebulae Again, in the spectrum of magnesium burning in the Bunsen burner can be photo graphed a line having the exact wave-length of a line also seen in the nebula of Orion so that there is a considerable amount of contracting the contraction of the second contraction of the cont

so that there is a considerable amount of cumulative evidence that magnesium is the true origin of this spectrum, the luminosity being produced by meteorites, the chief constituent of which is a compound of magnesium with oxygen, silicon and iron.

"We are therefore justified, until some better explanation has been given, in holding the view that nebulae, like comets, sonsists of meteorites, and that they are neither very distant clusters of stars nor masses of gas.

A RACE OF DWARFS.

Remarkable Specimen of a Lilliputan Tribe in Central America.

A specimen of a living race of dwarfs who dwell in the mountainous district in Guatemala, Central America, has been brought to New York, not for exhibition,

tribe.
In speaking of the strange dwarf Senor Arteaga told the reporter that during a

fourteen-years' sojourn in Central America and Guatemala he had heard of these little people and determined on his leaving the country to get a specimen and wing him to New York for the scientists to see. He journeyed to the mountain home of the tribe of dwarfs, and after much bargaining secured the man he now has with him. He says the only other representative of the race ever seen by white men was a brother of the man he now has, who was brought to New York many years ago, but who died soon after landing here. Senor Arteaga's description of the mode of life of these little people is very interesting. They are semi-civilized and all speak Spanish, which is the language of the country.

From the time of Herodotus a race of dwarfs has been said to exist, and this seems now to be proved. Only a few years ago Du Chaillu, the African explorer, found a similar race in Central Africa, and a race of cliff-dwellers has been discovered in Arizona. They are also dwarfs. Senor Arteaga's discovery adds to the proof that races of small people do exist, and he has a living proof of it at his house.

A MONTE-CARLO ROMANCE.

A MONTE-CARLO ROMANCE.

Love and Life with Gold, and, Failing Gold, Love and Death.

They were a few days only in Monte Caro. They risked their louis only a few at a
ime, and they spent the remainder of the
ime, and they spent the remainder of the
inys and evenings in strolling about the romantic glades and quiet pathways of the
beautiful gardens, whispering together of
iove and looking into each other's eyes.

The end came quickly. One evening they
went up in the soft monlight to the fairly
land of Monte Carlo. They entened the
Casino. They had come to their heit few
golden coins. One by one the crounfer's
remorseless rank ewept them away and

It is not a moral story; it is not a new tory. I have told it simply as it hap ened.

OLEO VERSUS BUTTER.

An Unparalleled and Inexcusable Case of Husbandly Villainy. Mrs. Blank is a model nousewife. She spends a portion of each day in personal supervision of the domestic arrangements of the household. She directs the purchases made for the family larder and only the choicest viants will be accepted. On one point Mrs. Blank is particularly positive. It is, says the Chicago Tribune, the selection of butter.

is, says the Chicago Tribune, the selection of butter.

Nothing but the choicest Orange County of Product's allowed on the table.—She has a often said that "if there was one thing she was posted on it was butter."

Her husband was skeptical, and resolved to test his wife's judgment. So he purchased a firkin of the choicest New York butter at \$\frac{1}{2}\$ i.4 a pound and had the lid stenciled "oleomargarine." Then the wily man had the word partially erased as if the merchant had sought to conceal the true nature of the tub's contents. The tub was sent home. When he went to dinner he was confronted by Mrs. Blank as soon as he had crossed the threshold.

Blank as soon as he had crossed the threshold.

"John." said she, in a severe tone, "are you out of your head! What do you mean by sending that horrid staffhone!"

"Why, my dear, I am assured that it is clean, and a good deal better than half the butter we get. So I thought we might give it a trait at least."

This rep.y nearly took the good lady's breats away. Finally she broke forth:

"And de you think I am going to ea! that stuff! Why, the moment I casted it I felt sick. If you want to eat it you may, but I don't propose to fig in the face of Provience in that way."

Before her husband came down to dinner hele this daughter and son into the secret. At the table some of the "o leo" was set before the master of the house. He ato freely of it and finally induced his children to particulate.

"Why, manuma." said the daughter. "Us such as good and the day, as it does just what it is represented.

take.
"Why, mamma," said the daughter, "it's
every bit as good as Orange County butter.
Try it."
"No, I thank you," was the freezing re-

McBRIDE, HARRIS & CO.

Importer of Fruit and Commission Merchants, 134 McGill Street, Montreal.

G. E. Bishop, Agent, Port Williams Station, N. S.

PEMS OF INTEREST.

Use Seavey's East India Liniment 12 Minard's Liniment relieves Neuralgia.

A large three story carriage factory is erected in Windsor by Henry Parkman.

SLEEPLESS NIGHT, made miserabl by that terrible cough, Shiloh's Curs the Remedy for you. Sold by Geo V. Rand.

run between Briar Island and the

CATARRH CURED, health and swe breath secured, by Shiloh's Catarr Remedy. Price 50 cents, Nasal Injectore. Sold by Geo. V. Rand. It is thought that owing to low water here will be at least 50,000,000 feet of

ogs, last winter's cuts, locked up along he St John river and its tributarie intil next spring. A distressing cough or cold not only eprives of rest and sleep, but, if allowed

o continue, is liable to develope more erious trouble in the way of Congesion or Laryngitis, or perhaps Consump-ion. Use Baird's Balsam of Hore-If you could see your own scalp

brough an ordinary magnifying glass on would be amazed at the amount of ust, dandruff and dead skin thereon ac mulated. The best and most popular oredaration for cleansing the scalp Ayer's Hair Vigor.

when Baby was sick, we gave her Casteria, When she was a Child, she cried for Casteria, When she became Miss, she clung to Casteria, When chound Children, she gare them Caster

Ross, St Martins, who is one hundre year he cut and stored ten tons of hay nd also looks after seven cows and tw orses. - [Yar, Times.

Stop That Cough. Many people neglect what they call a simple cold, which, if not checked in ime, may lead to Lung trouble. Scott's Emulsion of Pure Cod Liver Oil with Hypo phosphites, will not only stop the co but heal the lung. Endorsed by thousands of Physicians. Palatable as milk. Try it. Sold by all Druggists at 50c. and \$1.00.

Among the advantages claimed for th roposed Nova Scotia Central railway tween Truro and Windsor, are these (1) A saving of forty miles between an point beyond Truro on the Intercolonial, and any point west of Windsor, (2) affording an almost air line from Cape Breton to points west.

CONSUMPTION SURELY CURED.

To the Editor:

Please inform your readers that I have a positive remedy for the above named disease. By its timely use thousands of hopelese cases have been permanently cured, I shall be glad to send two bottles of my remedy free to any of your readers who have consumption if they will send me their Express and P. O. address, Respectfully. Dr. T. A. Storm. Respectfully, DR T. A. SLOCUM, ige street, Toronto Ont.

An extra of the Canada Gazette ha een issued proclaiming the appointment announced some time ago, of Senator

So SAY ALL.—That MINARD'S LINIMENT is the standard liniment of the day, as it does just what it is represented to do.

"No, I thank you," was the freezing reproduct to New York America, has been bounded and the control of the word of the same and the control of the word of the wor

de on consignments. Bankers: Merchants' Bank of Canada.

Minard's Liniment for sale everywhere

going to be another golden year for Manitoba and the North West. CROUP, WHOOPING COUGH and Bronchitis immediately relieved by Shiloh's Cure. Sold by Geo V. Rand

The wheat returns show that this i

The Halifax Street Car Company are reported to be taking into consideration the running of their cars by electricity.

WHY WILL YOU cough when Shiloh's Cure will give immediate re lief. Price 10 cts, 50 cts, and \$1. Sold by George V. Rand.

the first six months of this year.

Among the many remedies for Worm McLean's Vegetable Worm Syrup take the lead; it is the original and onl genuine.—Pleasant to take and sure i effect. Purely vegetable.

A movement is on foot to establish a Young Men's Christian association in Luner.burg. A large number of citizen have pledged themselves to support it.

With a feeble appetite and imperfect digestion, it is impossible for the body to secure the requisite amount of nourishment. Ayer's Sarsaparilla not only stimulates the desire for food, but aids the assimilative organs in the formation of good blood and sound tissue.

The Agricultural Department at Otawa have encouraging reborts of the decrease of leprosy in Tracadie, N. B. In 1879 there were 40 cases: this year only 17 are reported.

THE CREAT ONDON&CHINA TEA CO,

IMPORTERS AND DEALERS IN TEAS, COFFEES, SUCARS.

191 Barrington St. Halifax.

Price List of Teas.

Price List Oi 1 eas.
ENGLISH BREAKFAST—25c, 30, 35c
40c, 50c, Best 50c.
OOLONG—30c, 40c, 50c, Best 60c.,
FORMOSA—50c, 60c, Best 60c.
GUNPOWDER—40c, 50c, 60c, Best, 70c.
YOUNG HYSON—30c, 40c, 50c, 60c,
Rest, 70c.

SCENTED ORANGE PEKOE-60 Best, 70c.
BASKET FIRED JAPAN—40c, 50c, Best, 6oc. UNCOLORED JAPAN—4oc, 5oc, Best

COFFEES, JAMAICA—20c, 25c, 30c. JAVA—35c, 40c. MOCHA AND JAVA—40c.

As an accommodation to our Customer we Retail Sugar at Actual Cost.

COFFEES—FRESH ROASTED AND GROUND DAILY. August 18th, '87



THE "DAISY" CHURN,

People buy the "Daisy" Churn ecause it makes a superior quality of

NOTHING ON EARTH WE SEND BY MAIL SHERIDAN'S CONDITION DOWDER. MAKEHENS LAY ARGE 2/4 POUND CAN FOR TWO SMALL PACKS 50 TTS POST PAID. Sheridan's Condition Powder as benintely prove and highly concentrated. One onnee is worth a pound of any other kind. Strictly mentions to but sin in the food, once daily, in small doose. Prevents and curse all diseases and worth a second of the worth is weight in gold when hens are moulting, and to keep them healthy. Testimonials sent for by mail. Ask your druggles, grocer, general store, or feet dealer for it. If you can't get it, on the control of th

"Dairy Prince."

This handsome and highly bred Ayrshire Bull will stand at his owner's stable, Wolfville, for stock purposes, for the sum of \$1, at time of service. PEDIGREE:

the first six months of this year.

The itching of the scalp, falling of the hair, resulting in baldness, are often caused by dandruff, which may be cured by using Hall's Hair Renewer.

An oil tank of 25,000 tons capacity is being made by A. Robb & Sons, at their boiler shop, Amherst, for the St John branch of the Imperial Oil Co.

Among the many remedies for Worms, McLean's Vegetable Worm Syrup takes

The itching of the scalp, falling of the hair, resulting in baldness, are often caused by a dark was sired by a thorough-need Ayrshire of a good miking family. Gonry lower was awarded for Devon Queen, formerly owned by J. I. Brown, with a butter record of 15th on hay. Devon Queen' was awarded first prize at the late rovincial Exhibition at Truro, and was sired by a thorough-need Ayrshire of a good miking family. The provincial Exhibition at The one was a warded first prize at the late rovincial Exhibition at Truro, and was sired by a thorough-need Ayrshire of a good miking family. The course is of some provincial Exhibition at Turo, and was sired by a thorough-need Ayrshire of a good miking family. The course is of some provincial Exhibition at Turo, and was sired by a thorough-need Ayrshire of a good miking family. The course is of some provincial Exhibition at Turo, and was sired by a thorough-need Ayrshire of a good miking family.

C. W. Fitch, Wolfville, Dec. 5th, 1888. 3 mos

Excelsior Package Dyes! Are unequalled for Simplicity of use, Beauty of Color, and the large amount of Goods each Dye

will color. The colors, namely are supplied Yellow, Orange, Eosine (Pink), Rismarck, Scarlet, Green, Dark Green, Light Blue, Navy Blue, Scal Brown, Brown, Black, Garnet, Magenta, Slate, Plum, Drab, Purple, Violet, Maroon Old Gold, Cardinal, Red, Crimson. The above Dyes are prepared for Dying Silk, Wool, Cotton, Feathers, Hair, Paper, Basket Woods, Liquids, and all kinds of Famey Work, Only 8 cents a package, Sold by all first class Druggists and Grocers and wholesale by the EXCELSIOR DYE CO., C, HARRISON & CC., Cambridge, King's County, N. S.

Valuable Testimonials.

The following testimonials will be of aluable service to all intending using dyes and want to be sure of getting good reliable dyes :-

good reliable dyes:—

We the undersigned have used and sold all kinds of dyes, but have found none near so good as the "Excelsior" dyes; for which we can truly say that the "Excelsior" dyes are the best dyes that can be used. They are sold by all first-class grocers and druggists at only 8 cents per package, which is cheaper than other dyes, and they will also dye more goods than any dyes we ever used; and a trial of a package or two will soon convince all that are interested in dyeing. They will not fade like other dyes and besides give a most beautiful color, and they are so simple to use that any child can use them; and are economical, brilliant and durable colors.

Mrs 8 Morse, Berwick, N 8

Proprietors, billiant and durable colors.

Mrs S Morse, Berwick, N S Mrs N Patterson, Aylesford, N S Mrs L Morse, Somerset, N S rs J W Beckwith, general store, Bridgetown, N S Mrs Balcom, Lawrencetown, N S Mrs D B Parker, general store, Harborville, N S Mrs D B Parker, general store, Harborville, N S Mrs Woodbury, general store, Kings ston, N S Mrs R Baines, Pictou, N S Mrs Balnes, Pictou, N S Mrs Balnes, Pictou, N S Mrs A Welton, Kingston, N S 26-3mo

For Sale or to Let!

Proprietors, Margarettville, N. S.

BEGGS FOR SETTING FROM PRIZE-WINNING LIGHT BRAHMAS AND WYANDOTTES.

At Truro last fall I exhibited three coops of chicks; won 1st and 2d on L4 Brahmas; 1st on Wyandottes at Windots 1837; won 1st and 2d on L4 Brahmas. My stock is constantly enriched by fresh importations from the best breeders in the United States.

For Sale or to Let!

The premises in New Minas lately occupied by Howard Pinco, consisting of dwelling-house and outbuilding and about } of an acre of land set out with fruit trees in bearing. Apply to Yarmouth Steamship Co

JEHIEL DAVIDSON, or ISAAC N. COLDWELL. Gaspereau, March 15, '89. 4 ins



States last year. Try one and see for yourself. For sale by Invaling Reason. Give Expess and Post Office. It could you nothing for a part of the States you nothing for a part of the States yourself. For sale by Invaling Reason. Give Expess and Post Office. It could you not him yourself. For sale by Invaling Reason. Give Expess and Post Office. It could you not him yourself. For sale by Invaling Reason. Give Expess and Post Office. It could you not him yourself. For sale by Invaling Reason. Give Expess and Post Office. It could you not him yourself. For sale by Invaling Reason. Give Expess and Post Office. It could you not him yourself. For sale by Invaling Reason. Give Expess and Post Office. It could you not him yourself. For sale by Invaling Reason. Give Expess and Post Office. It could not be yourself. For sale by Invaling Reason. Give Expess and Post Office. It could not be yourself. For sale by Invaling Reason. Give Expess and Post Office. It could not be yourself. For sale by Invaling Reason. Give Expess and Post Office. It could not be yourself. For sale by Invaling Reason. Give Expess and Post Office. It could not be yourself. For sale by Westery Counties Railway.

Returning, will leave Lewis' What Booton, at 10 a. m., every Tuesday and Friday and Firlay and Friday. The will make daily connection each way between Annapells on the Unity of the Yarmouth and Intermediate Parks of the Westery Counties Railway.

Returning, will eave Lewis' What Booton, at 10 a. m., every Tuesday and Friday and Intermediate Parks of Firlay and FRIDAY, connecting and Friday and Intermediate Parks of the Western Counties Railway.

The "Yarmouth and intermediate Parks of the Western Counties Railway.

The "Yarmouth and intermediate Parks of the Western Counties Railway.

The "Yarmouth daily at 7.15 a maid to and from Boston and is the fastest attended and customers that he has on hand a could could for the "Yarmouth daily at 7.15 a maid to and from Boston and is the fastest attended with triple expess.

The "Yarmouth All Sale Ca

OUR JOB ROOM

IS SUPPLIED WITH

THE LATEST STYLES OF TYPE

Every Description

JOB PRINTING

DONE WITH NEATNESS, CHEAPNESS AND

PUNCTUALITY.



A Genuine Indian Remedy.

Prepared from a recipe obtained from a native of India. Hundreds of testimonials from all parts of the country, wherever this re-markable remedy has been intruduced,

attest to its efficiency. Once use in in the family and you will never after be without it. For CHOLERA, DIARRHEA, SUMMER COMPLAINT, CHILLS AND CRAMPS take a half tea-spoonful in hot sweetened water and milk. A Cure Guaranteod. A gentleman writes, "I was suffering from a very searce attack of Cholera, used different remedies but got no relief; tried Seavey's East India Liniment and was

Price 25 Cents. S. Harris & Son, Proprietors,

Margarettville, N. S.

LEWIS J. DONALDSON, Port Williams. THE

(LIMITED.)



The fast steel steamer "YARMOUTH" will leave Yarmouth for Boston every Wednesday & Saturday evenings, after arrival of the train of the Westery Counties Railway.

Yarmouth, April, 1889.

WE SELL

OLDWOOD, SPILING, BARK, R THES LUMBER, LATHS, CAN NED LOBSTERS, MACKER, EL, FROZEN FISH,

POTATOES, FISH, ETC. Best prices for all Shipment , Write fully for Question

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CEO. V. RAND. IMPORTER AND DEALER IN DRUGS MEDICINES CHEMICALS

FANCY GOODS PERFUMERY AND SOAPS. BRUSHES, SPECTACLES, JEW. ELLEBY, ETC. ETC. Main Street.

WOLFVILLE Meat & Provision Market.

The subscriber having opened a ger eral Meat and Provision Market Wolfville would respectfully solicit pa Fresh Meats of Every Description Always On Hand.

All kinds Fresh Fish every Friday, Close at 6 o'clock every evening execution Tuesdays and Saturdays.

W. R. Kaye, Wolfville, June 14th, 1889

Dike For Sale.

One Lot, 24 acres, on Grand Pre One Lot, 11 acres, on Wickwire. Both f good quality and easy of access,

For further particulars apply to

.B. M. Aboriet.



Auctioneer.

The subscriberhaving been urgently solicited to offer his services as a general auctioneer, takes this method of nforming those in need of such service that will be at their command.

E. D. BISHOP Wolfville, April 18th, 188 DON'T RISK YOUR LIFE

WITH AN OLD HARNESS! WHEN YOU CAN

CET A NEW ONE

At Patriquin's FOR \$15.00. W. & A. Railway.

Time Table

1889-Summer Arrangement -1889, GOING EAST. Exp. Acem Exp Annapolis Le've 14 Bridgetown 28 Middleton 42 Aylesford

GOING WEST. Exp. Accm. Daily. Daily

N. B. Trains are run on Eastern Standard Time. One hour added will give Halifax time.

Steamer "City of Monticello" leaves St. John every Monday, Wednesday, Finasday Friday and Saturday a. m. for Digby and Annapolis, returning from Annapolis same days,
Steamer "Fyangeline" will make daily connection each way between Annapolis and Digby.

J. W. KING, General Manager Kentville, 7th June, 1889.