POOR DOCUMENT

MC 2034

UNION CLOTHING CO
26-28 CHARLOTTE STREET.
Old Y. M. C. A. Building. ALEX. CORBET, Mgr.

Men's Suits, regular $10.00, now $6.43
Men's Suits, regular 12.00, now 9.93
Boys' 2-pc. Suits, reg. 2.50, now 1.93
Men's Pants, regular $3.00, now 1.98

UNION CLOTHING CO

Fancy Parlor Lamps
$5.00
Metal Bottoms and Faunts with Colored Shades.
ST. JOHN AUER LIGHT CO., Ltd.
Tel. 873 - - - 19 MARKET SQUARE.

LATE STUDY OF THE SUN AS DETAILED BY AN EXPERT

Director Abbot of Astrophysical Observatory Describes Progress —Variation of the Orb's Heat.

WASHINGTON, Aug. 7—"Each periodic return of the time of maximum sun spots brings with it a freshened interest and renewes activity in solar observations," said C. G. Abbot, director of the United States Astrophysical observatory, in which he succeeded the late Prof. S. P. Langley.

Mr. Abbot has measured successfully, after years of work in Washington and Mount Wilson, Cal., the amount of heat transmitted by the sun to the earth, and has determined how much this varies from year to year.

"If," said Mr. Abbot, "the sun varies 10 per cent. and back again in a year the temperature of inland stations should change about five degrees Fahrenheit, but seacoast or inland stations will only change from one to two degrees. If the change be ten per cent. and back again in a month the temperature change would be less, and perhaps not noticeable, but if the sun's rays should fall off ten per cent. and continue so forever the whole world would be nearly 15 degrees colder than it is now, unless there should result indirectly a change in the amount of cloudiness.

"Clouds reflect the sun's rays so powerfully that if the earth were completely covered by clouds it would have only half the sun rays it now has to warm it, and the consequence would be a glacial period. But this could not continue indefinitely, for the oceans would become so cold that there would at length be too little moisture evaporated to maintain the clouds, and then the earth would become warm again.

"The measurements of the sun's heat thus far made teach that variations of 10 or 15 per cent., though not usual, do sometimes occur, and changes of four or five per cent. are almost of fortnightly occurrence. The science of detecting them is not simple or easy, but the value of such knowledge in advance to persons engaged in any of the natural industries where plant or animal life is involved may well justify the daily observation of the sun from cloudless stations, which would be necessary as a basis for long-range predictions."

Mr. Abbot said that, in spite of the fact that the sun was the promoter of every particle of life on the earth and necessary to the very existence of animals and plants, while all climates were controlled absolutely by it, and that it was the only star near enough to the earth to admit of detailed study, yet astronomers comparatively had neglected it. Besides a few eclipse observations, estimating the number of sun spots when they occur, regulating time and occasionally noting peculiarities of the color spectrum, the time of rotation or the distribution of light, little attention had been paid this most important celestial object.

As a result of two recent conferences an international union now has been formed. Its objects include the study of the nature and cause of sun spots, the nature and thickness of the so-called envelope of the sun and of the corresponding envelope of atmosphere of the earth, the wave length of the lines in the solar spectrum by which may be determined the chemical and physical elements in that body, the nature of the corona or circle of light around the sun, the amount of heat available to the earth and the variability of this.

Special studies of interest particularly to physicians and astronomers are to be undertaken by this newly formed international union, one of which is the making of a standard to measure the waves of light. This means merely making more accurate the previously accepted Angstrom units by which astronomers take measurements of heavenly bodies. It is by these that the make-up of the stars is determined and also their speed. Therefore, any error, however slight, means a difference of a billionfold in the resulting calculations.

"All astronomers," Mr. Abbot went on, "are interested in the work being carried on by the Intercolonial Geodetic association on the determination of the amount of variation of latitude due to the periodic wanderings of the north and south polls, which were established nearly 20 years ago by S. C. Chandler of Cambridge, Mass., who discovered that at different periods the latitude of places changed as much as 30 or 40 feet. This accounted for what had been called errors in the apparatus of the leading national observatories, and also had an appreciable effect on what is known to astronomers as the 'constant of aberration,' one important method of determining the distance of the sun ,on which all conclusions as to distances ,masses and other elements of the solar system hang, and also the exact astronomical predictions depending on solar theory. This oscillation of the pole has an effect on tides, says one observer, and the same astronmer put forward the statement that apparently earthquakes are more numerous when the vibrations are greatest—about once every seven years."

The geodetic association, Mr. Abbot said, had established four stations almost exactly in the same latitude in a circle around the globe. These are at Carloforte on the Island of San Pietro, Italy; at Misusawa, in Japan, at Ukiah, in California, and at Gaithersburg, Md. To these recently have been added two stations in the southern hemisphere at Baywater, in western Australia, and at D.Oncatvo in the Argentine republic.

MARCONI AT THE KEY.

Making Thunder and Lightning in His Paris Workshop.

The asphalted floor is covered with a carpet of rubber. The walls and ceilings are in hardwood. Strange instruments lie in each corner of the room. On a platform raised a yard above the floor, says a writer in La Relue, is a table with a transmitting key upon it and a large wooden lever also used in transmitting. Marconi is on the platform, his hand grasping the lever.

"Now," he says, "be careful. When I signal to the electrician 50,000 volts will enter the room. Stand behind me and touch nothing. Do not approach those oils, because the current will not wait for you to touch them; it will leap out upon you."

The signal given, a lever is pulled and a dull noise is heard. The needle of the voltameter begins to move on the dial and to attain all sorts of high figures.

"Now," says Marconi, "I will communicate with the nearest station," and he presses the key of the transmitter.

There is a blinding blue flash and at each pressure on the key sparks nearly two feet in length start from between the two silvery balls of the induction reel. One of these balls is in communication with the earth and the other with a rod. Each spark represents an impulsion which is communicated from the battery to the rod and from this rod the electrician sets in motion the vibrations of the ether called Herizian waves.

These waves expand in space in every direction at a speed of 300,000 kilometers a second; that is to say, seven times the circumference of the earth. They are independent of wind and temperature and glide above the surface of the earth and sea, striking on their way the wireless stations that lie far beyond the horizon.

At each blinding flash that accompanies the movement of the key a noise like the report of a rifle is heard. It is an awe-inspiring spectacle, the inventor calmly standing there pressing the key amid the lightning and the thunder. The operator is obliged to stuff his ears with wool. It appears, however, that recently Marconi has found means of doing away with the noise almost completely.

TORONTO, Aug. 6.—The United States team won the international cricket match concluded here today by 347 to the Canadians 267 runs.

ALGIERS, Aug. 6. — The French transport Nive sailed from here today for Morocco with detachments of sharp-shooters, light cavalry and

CLASSIFIED ADS.

ONE CENT PER WORD per issue is all it costs to insert advertisements like those appearing below in the lively columns of THE SUN or STAR. This ensures them being read in 6,500 St. John homes every evening, and by nearly 8,000 people during the day. SUN and STAR Classified ads. are veritable little busybodies.

☞ 6 Insertions for the price of 4 ☜

BUSINESS CARDS

Advertisements under this heading 1 cent a word each insertion, or 4 cents a word for six consecutive insertions. When answering advertisements under this heading, please mention The Star.

IF YOU WANT male or female help or a better situation in St. John or Boston, try GRANT'S Employment Agency, 69 St. James street, West Side.

COAL AND WOOD—Reasonable prices. Now discharging. JAMES S. McGIVERN, Agent, 5 Mill street. Tel. 42.

FIREWOOD—Mill Wood cut to stove lengths. For big load in City $1.25; in North End, $1.00. Pay the driver. This wood is just from mill. MURRAY & GREGORY, LTD. 'Phone 251. 6-6-tf.

J. D. McAVITY, dealer in hard and soft coals. Delivered promptly in the city. 39 Brussels street.

WM. L. WILLIAMS, successor to M. A. Finn, Wholesale and Retail Wine and Spirit Merchant, 110 and 112 Prince Wm. St. Established 1870. Write for family price list.

D. FITZGERALD, 25 Dock street, Boots, Shoes and Rubbers repaired. Also a full line of Men's Boots and Shoes at reasonable prices. Rubber Heels attached, 35c. 1-1-07tf

HAVE YOUR PAPERING, PAINTING AND WHITENING done early. I am booking orders for spring work already. Very moderate prices. F. W. EDDLESTON, 53 Sydney street. Home, 10 Market Square. Telephone 1611.

ST. JOHN FUEL CO. can give you cheaper Dry Wood than any other fuel company in St. John. We also keep in stock the celebrated Springhill Coal, especially adapted for cooking stoves, and also both Scotch and American Hard Coal. Prompt delivery with our own teams. Telephoe 1304. 5 July-1 yr

WILLIAM H. PATERSON, Graduate Doctor of Optics, 55 Brussels street. Glasses perfectly right, two years ago, may be far from right now. We will examine your eyes FREE and only recommend a change if absolutely beneficial. 3-3-1-yr

E. LAW, Watchmaker, 3 Coburg St.

F. C. WESLEY CO., Artists, Engravers and Electrotypers, 59 Water street, St. John, N. B. Telephone 982.

DOMESTICS WANTED

Advertisements under this heading 1 cent a word each insertion, or 4 cents a word for six consecutive insertions. When answering advertisements under this heading, please mention The Star.

WANTED.—One lady Cook. Wages $5.00. One Dishwasher, wages $3.00. Apply Oriental Restaurant. 6-8-6

WANTED.—Waiters and waitresses. Scammell's, 66 Charlotte St. 8-8-4

WANTED. — Cook wanted. Royal Dairy Lunch, Mill street. 8-8-6

WANTED AT ONCE—Girl for general housework, a middle aged woman preferred. Must be honest and trustworthy. Apply before 5 p. m. to Mrs. N. S. Cruikshanks, 159 Union street. 7-8-4.

WANTED—A girl for general housework. Apply at 43 Sewell street. 29-7-1 mo.

WANTED.—Girl for general housework. Apply to MR. NELSON, 28 Marsh street. 2-8-6

WANTED.—Kitchen girl at Bond's Restaurant, 151 Mill St. 2-8-tf

WANTED—Two girls wanted at once. Apply 33 Charlotte street. 23-7-tf

WANTED.—A Girl for grocery store. Apply to ALFRED GREENSLADE, 295 City Road. 31-7-tf.

WANTED.—At once, good general maid. Apply 47 Sydney St. 6-8-6

WANTED—At once, general girl. Apply 75 King street, over Macaulay Bros.

WANTED.—At once, Housemaid, willing to help with care of children. Apply, MRS. F. P. STARR, 51 Carleton street. 3-6-tf

WANTED—General girls, cooks and housemaids can always gets best places and highest pay. Apply Miss Hanson, Employment Office, 193 Charlotte St.

Oriental Restaurant.
The Oriental Store Restaurant has engaged the services of an expert cook from Montreal—an experienced chef. Chop Suey in its delectable originality will be served at all times. Chinese dishes and every real Oriental effect. 105 Charlotte. Opp. Dufferin Hotel.

To cure Headache in ten minutes use Kumfort Headache Readers, 10 cents.

SITUATIONS VACANT—FEMALE

Advertisements under this heading 1 cent a word each insertion, or 4 cents a word for six consecutive insertions. When answering advertisements under this heading, please mention The Star.

WANTED—Girls wanted. Apply D. F. BROWN & CO., Canterbury street. 8-8-6

WANTED. — A competent nursemaid. Apply to MRS. C. F. CRANDALL, 26 Crown St. 6-8-tf

WANTED AT ONCE—Experienced sewers by hand and machine on men's clothing. Also girls to learn. Pay given from start. Steady work. L. COHEN, 212 Union St. 6-8-6

WANTED—Two women. AMERICAN STEAM LAUNDRY.

WANTED—two good fancy ironers. Apply GLOBE LAUNDRY. 24-7-tf

GIRLS WANTED.—To sew by machine and hand. Good pay. Steady work. Apply J. SHANE & CO., 71 Germain street.

ARTICLES FOR SALE

Advertisements under this heading 1 cent a word each insertion, or 4 cents a word for six consecutive insertions. When answering advertisements under this heading, please mention The Star.

FOR SALE—Good piano. Cost $350. Cheap for cash. Apply 77 Princess St. 7-8-6

FOR SALE.—Light furniture express wagon, suitable for any purpose, also one sled. Enquire of George E. Smith, King street. 6-8-tf

FOR SALE—ELEGANT UPRIGHT PIANO, GREAT BARGAIN. $350.00 Upright Piano for $200.00, with stool and scarf. Piano only in use a few months, party removing to United States. Piano must be sold. To be seen at THE FLOODS CO., LTD., 31 and 33 King St., next M. R. A. 5-8-6

FOR SALE. — 3 double, 6 single Carriages. W. CAIRNS, 96 Duke St. 6-8-6

FOR SALE. — Well established and good paying grocery business for sale in a first class locality. Terms cash. Apply to Dealer in Groceries, Box No. 196, care Star Office. 29-7-tf

FOR SALE—Two cash registers, one counter. Bargain. W. A. STEIPER, 157 Mill street. 22-7-tf

FOR SALE—Freehold property on the corner of Wentworth and Queen streets. Address Box 189, Star office. 12-7-1mo.

FOR SALE—Two lots in Carleton, Queen Square, one on St. John street, 50 foot frontage, running back 100 feet. Other on St. George, same dimensions. Address Box 188, Star office. 12-7-1mo.

FOR SALE—A set of shorthand instruction books, (Isaac Pitman system). Only in use a short time. Will be sold at a bargain. Box 120, Star Office. 20-4-tf.

FOR SALE—At Duval's Umbrella Shop, Self-opening Umbrellas, 80c. up; ordinary, 50c. up. L. S. Cane. We use no other in our chair-seating, Perforated Seats shaped square, Light, Dark. Umbrella recovering and repairing. 17 Waterloo street. 6-12-tf

FOR SALE—About twenty new and second-hand delivery wagons, 2 coaches, and 2 horses, carriages, different styles, ready for use, glass front coach, new trimmings, well painted; a first-class coach very cheap: also three outundor carriages. Best place in the city for painting and greatest facilities for carriage repairing. A. G. EDGECOMBE, 115 and 129 City Road.

ROOMS AND BOARDING.

Advertisements under this heading 1 cent a word each insertion, or 4 cents a word for six consecutive insertions. When answering advertisements under this heading, please mention The Star.

WANTED.—Board and lodging by man and son with widow woman, either white or colored, east end of city preferred. Apply to Box 202 Star office. 8-8-1

BOARDING — Comfortable rooms. Good tables. Board. 107 1-2 Princess street. 2-8-6

TO LET—Nicely furnished rooms, 232 Duke street. 17-7-tf.

LODGING — Furnished rooms to let at a moderate rate. 30 Carmarthen street. 16-7-1m

ROOM AND BOARD—143 Union street. 8-8- 1mo

SITUATIONS VACANT MALE

Advertisements under this heading 1 cent a word each insertion, or 4 cents a word for six consecutive insertions. When answering advertisements under this heading, please mention The Star.

ADVERTISERS ARE REMINDED that it is contrary to the provisions of the postal law to deliver letters addressed to initials only; an advertiser desiring to conceal his or her identity may economically do so by having replies directed to a box in this office; ten cents added to the price of the advertisement covers the forwarding of letters.

WANTED—Young man aged 18 to 20 for wholesale department, also two boys for tin shop. Emerson & Fisher.

WANTED.—A pressman, with knowledge of sewing. Good position for steady man. Apply at once. A. GILMOUR, 68 King St. 7-8-tf

WANTED. — A man for delivery wagon; also a boy about 15. McRobbie Shoe Store, 94 King St. 6-8-tf

WANTED.—A Machinist. Apply W. F. and J. W. MYERS, Waterloo street. 1-8-tf

WANTED.—I have a newly patented device, having big sales through agents. Traveller needed to make appointments; no canvassing; will pay salary and expenses weekly. F. J. WATERSON, Dept. O., Brantford, Ontario. 2-7-2

WANTED.—We want at once, for both wholesale and retail departments, several bright, intelligent boys from 14-16 years of age, who have a desire to learn the dry goods business. Apply at once. Manchester Robertson Allison, Limited. 27-6-tf

WANTED.—Young man having two or three years' experience at type setting. Apply SUN PRINTING CO., LTD. 18-2-tf

Wanted at Once
Carpenters, $2.00 to $2.50; Brass moulders, $2.25 to $.300; Rough painters, $1.75; Machinists, $2.25 to $2.75; Laborers, $1.75; Teamsters, $30.00 and board. Apply McRae's Employment Bureau, Globe building, St. John, N. B.

TO LET.

Advertisements under this heading 1 cent a word each insertion, or 4 cents a word for six consecutive insertions. When answering advertisements under this heading, please mention The Star.

SHOP TO LET.—33 Minette street, W. E. 6-8-6

TO LET. — Three large bedrooms, suitable for gentlemen. Enquire 148 Germain St. 5-8-tf

TO LET—Shop and flat to let at the corner Simonds and Camden streets. Good stand for grocery store. Apply to MRS. A. GIBBON on premises. 20-7-tf

TO RENT—A new summer cottage to rent at Bay Shore; beautifully situated. Ten minutes from street cars. Seven rooms, open fireplace, large covered verandah. Partly furnished. For particulars telephone West 165, ring 31. 24-6-tf

BAY SHORE, adjoining Sea Side Park. Summer Cottage, eight rooms. F. E. DeMILL. 13-7-tf

REAL ESTATE.

Advertisements under this heading 1 cent a word each insertion, or 4 cents a word for six consecutive insertions. When answering advertisements under this heading, please mention The Star.

FOR SALE.—A good double tenement on West Side. Price, $2,100. J. W. MORRISON, Real Estate, 50 Princess street. Ring 1643.

LOST AND FOUND

Advertisements under this heading 1 cent a word each insertion, or 4 cents a word for six consecutive insertions. When answering advertisements under this heading, please mention The Star.

LOST.—On July 31st, certified cheque on Bank of New Brunswick, for the amount of $73.58 in favor of bearer or W. K. Pedersen. 5-8-3 eod

FOUND—Purse at McAfee's, on Waterloo St. Owner can have same by calling for it and paying for this advertisement. 8-8-1

Harbor Salmon and Shad.
SMITH'S FISH MARKET
TELEPHONE 1704. 25 SYDNEY ST

MISCELLANEOUS.

Advertisements under this heading 1 cent a word each insertion, or 4 cents a word for six consecutive insertions. When answering advertisements under this heading, please mention The Star.

WANTED—Young English woman requires work by the day. Please apply 2 City Road, upstairs. 5-8-2

WANTED—Two unfurnished rooms suitable for bedroom and parlor. Box. 200, Star office. 7-8-4.

WANTED PRINTER—Young man with one or two years' experience and young lady with some experience at typesetting or presswork, also boy or girl to learn the printing business. Box 201, care of Star office. 8-8-4.

WANTED—Convenient FLAT or house for small family. Will rent for winter, or permanently, if suitable. Wanted Oct. 1st at latest.
Apply by letter, giving locality and general description, rental, etc., to
Box 199, Star Office.

Wanted
Manufacturer's Agent with Sample Room to represent Manufacturer of Brass and Iron Bedsteads, on a commission basis, for the Maritime Provinces.
Box 198, Star Office.
3-8-3 eod

A PENSION PLAN FOR 100,000 AGED CLERKS

Uncle Sam's Commission Has Finally Agreed on a Report; To Buy Annuities.

WASHINGTON, Aug. 8—The Keep commission has finally completed its project to provide for the age retirement of the 100,000 classified clerks in the Federal service throughout the country, and the project will now go to the President for incorporation in his annual message to Congress in December.

Briefly, it is proposed that from the salary of each employe an amount sufficient to purchase his own insurance, or annuity, on reaching the retiring age of 70 shall be deducted monthly, the Government acting as custodian and being responsible for the fund. The amounts deducted from salaries will, of course, vary with the age of entering the service, and with the amount of salary.

A member of the sub-committee which made the final revision of the proposed law explained it today.

"The amounts deducted from salaries," he said, "will in no sense be assessments, unjustly burdening the younger employes for the benefit of the older. Instead, it is proposed that the sums shall be set aside as savings in the United States Treasury, by each individual employe for his own ultimate benefit, or that of his family, and with the knowledge that at compound interest the total amount will, at the age of 70 years, be sufficient to purchase a reasonable annuity.

"No employe will in any way contribute to the retirement fund of other employes, nor will the savings of any employe be diverted to another's use. This fact is thought to be one of the strongest points in favor of the system.

"On arriving at the age of retirement the employe may convert his savings, with the interest, into one of the following options: First, one cash sum; second, an annuity payable throughout life; third, an annuity payable throughout life, with the provision that in event of the death of the annuitant before he has received in annuities the amount of his savings with interest, the balance shall be paid to his estate, and fourth, an annuity for a limited term of years.

"But it is not merely the employe that remains in the service until he reaches the age of retirement who will benefit by this measure. A person separated from the service in any manner before that age will have to his credit a sum of money. If it amounts to $1000 and he has been in the service not less than 20 years, he may withdraw it under any one of the foregoing options. In case of his death in the service the amount of his savings with interest will be paid to his estate.

"The second part of the plan takes care of employes now in the service. If aged employes are entitled to any assistance at all in consideration of their past services or if the service would be improved by their retirement, the government should provide the funds. It is, therefore, proposed to give every employe now in the classified service, at government's expense, an annuity on reaching the age of 70.

AUCTIONS.

W.S.P. **Walter S. Potts,**
Auctioneer.
Sales of all kinds attended.
Furniture Sales at Residence a Specialty.
Office—Market Street.
'Phone 291.

Scenic Route.

Between Millidgeville, Summerville, Kennebecasis Island and Bayswater.

Steamer Maggie Miller leaves Millidgeville daily (except Sundays and Saturdays) at 6.45 and 9.30 a. m., 2.00, 4.00 and 6.00 p. m. Returning from Bayswater at 6.00, 7.30, 10.30 a. m. and 2.45, 5.15 p. m. Sunday leaves Millidgeville at 9 and 10.30 a.m.and 2.30, 6.15p.m, Returning at 9.45 and 11.15 a.m. and 5 and 7 p.m.

SATURDAY

Leaves Millidgeville at 6.15 and 9.30 a. m.; 2.30 and 7 p. m.

JOHN McGOLDRICK, Agent.

U. S. EX-SENATOR COMMITS SUICIDE

PITTSBURG, Pa., Aug. 7.—George Wallace Delamater, once candidate for governor of Pennsylvania, and who served as state senator from Crawford county from 1887 to 1890, committed suicide by shooting today in his offices in this city. Occupants of the neighboring offices in the Diamond National Bank building found him dead with a 38 calibre bullet hole in his right temple.

Grief over the death of his father, George B. Delamater, at Meadville, Pa. on May 6, and the sudden death of his son, James Scott Delamater in June at Connellsville, Pa., is believed to be the cause of his suicide.

A BETTER TRADE.

"I understand young Briefless is about to marry the daughter of old Bonds, the millionaire."

"Yes, so I am told."

"Will he give up the law business?"

"Yes; he will give up the law business and go into the son-in-law business."

"Grandfather," said the saucy little boy at a party, "how old are you?"

The old gentleman, who was much under the ordinary size, took the child between his knees and said:—

"My dear boy, I am seventy-five years old; but why do you ask?"

The little fellow replied: "Well, it seems to me you are very small for your age."

A. E. HAMILTON,
Contractor and Builder
Jobbing of all descriptions promptly attended to
182-188 Brussels Street. 'Phone 1628

Clifton House
ST. JOHN, N. B.
W. ALLAN BLACK. - Prop.

USE
SOZOTRICHO
THE GREAT HAIR REMEDY
Guaranteed to positively cure dandruff and falling of hair in 8 applications, bringing out a new growth of hair in 15 to 30 days
WE SHIP TO ALL PARTS OF THE WORLD.
PRICE PER BOTTLE $1.00 4 BOTTLES $3.00
NONE C.O.D
DR. GARIFALOS REMEDY CO.
Main Office, 444 6th Ave. NEW YORK