

Long Range Weather Forecasting Soon An Assured Fact

Washington, April 1.—Since Congress made the long anticipated appropriation at its last session, long-range weather forecasting is likely to become an accomplished fact, instead of a scientific dream. It is not often that congress makes any real concessions in behalf of science, especially when the latter asks money for experimental purposes; but now, and then, even in an era of rigid economy, the national purse strings loosen up.

Long-range weather forecasting, if successful, will be one of the greatest achievements of modern science. It will enable the prophets of the weather bureau to be much more skillful and accurate than heretofore. It is based on the fact that there is, in various portions of the North American continent, a variation in the amount of radiation from the sun directly affecting weather conditions. When the amount of variation has been ascertained, one of the most baffling of scientific problems will have been solved.

The Smithsonian Institute is in charge of the work, and it is planned to establish an observatory in Southern Mexico this coming summer. It is hoped that by July, the revolutionary trouble will be over, or at least be reduced to a negligible quantity, so that the expedition can be undertaken with safety.

Congress has provided for the trip to Mexico by adding \$5,000 to the appropriation regularly made for the work of the astronomical laboratory. The object of the project is to complete tests which are being made at the Washington observatory (sea level), at Mount Whitney (three miles elevation), and at Mount Wilson (ten mile elevation). Southern Mexico is a comparatively cloudless region, and observations will be made there, and at the other observatories simultaneously. If the measurements should agree, the present scientific hypothesis—that there are distinct differences of solar radiation—will have been proven.

Dr. C. G. Abbott, of the Smithsonian Institution, is in charge of the work, and has issued the following statement regarding it:

"When we began to make these measurements, there was nowhere in the world an exact scale of measurement of radiation, although physicists have been making precise measurements for that purpose for sixty years. There remained an uncertainty of 5 to 10 per cent in the scale of pyrhelometry, as it is called. We have devised several instruments to be used as standards for that purpose, and in this last year we have made a careful comparison of two of our instruments of the improved type, and these agreed perfectly in fixing the scale of measurements.

"The apparatus is used now as a standard by which to standardize other

apparatus, which has been sent around the world. We have sent instruments to France and Italy, and have requests for them from Argentina, Peru, and other countries.

"Our measurements at Mt. Wilson have been carried on for several years. The first expedition was in 1905, and we have observed almost daily for six months of each year since that time, excepting in 1907. In 1910 I was fortunate in having two weeks of good weather on the summit of Mt. Whitney, which is the highest mountain in the United States. I carried on there complete measurements which were simultaneous with those carried on at Mt. Wilson. We have found that the result obtained at Mt. Whitney check and substantiate completely the work we were doing at Mt. Wilson. Therefore, having established a standard scale of measurement, and having shown that we get the same results at Washington, Mt. Whitney, and Mt. Wilson, we are now able to state the value of the solar constant of radiation. This value is of an importance equal to that of the distance of the sun in astronomical work. Our measurements show a range of the value of the solar radiation outside of our atmosphere of about 8 per cent.

"Now, by taking stations so far apart, that no local condition in the atmosphere can affect them both, we may actually prove whether or not these variations are in the sun, or are something we have not eliminated from the atmosphere. If we find them in the sun, we shall have made a discovery of the first rank.

"It is clear that if the sun varies the temperature of the earth must vary correspondingly, perhaps not always the same at all stations, because the earth is so affected by the presence of waters and mountains and the like, that all stations would not behave exactly alike; but yet will be able to find a relation between the radiation of the sun and the temperature of the earth, that will be important to the meteorological service to this country and others."

The valuable researches in solar radiation made by Dr. Abbott have been fittingly recognized by the scientific world. He was awarded the Draper gold medal by the National Academy of Sciences last year. He has probably done as much to make weather forecasting accurate and reliable as any scientist in the world. While the coming expedition to Southern Mexico will probably have greater scientific practical value in the work of the weather bureau, it will do much to eliminate the awkward errors and mistakes which have so frequently made Prof. J. Willis Moore's experts the laughing stock of the country.

Should the expedition prove a success, congress will probably be persuaded to make larger scientific appropriations in the years to come.

The Knock-out Blow

The blow which knocked out Corbett was a revelation to the prize fighters. From the earliest days of the ring the knock-out blow was aimed for the jaw, the temple or the jugular vein. Stomach punches were thrown in to worry and weary the fighter, but if a scientific man had told one of the old fighters that the most vulnerable spot was the region of the stomach, he'd have laughed at him for an ignoramus. Dr. Pierce is bringing home to the public a parallel fact; that the stomach is the most vulnerable organ out of the prize ring as well as in it. We protect our heads, throats, feet and lungs, but to the stomach we are utterly indifferent, until disease finds the solar plexus and knocks us out.

Make your stomach sound and strong by the use of Doctor Pierce's Golden Medical Discovery, and you protect yourself in your most vulnerable spot. "Golden Medical Discovery" cures weak stomach, indigestion, or dyspepsia, torpid liver, bad, thin and impure blood and other diseases of the organs of digestion and nutrition.

The "Golden Medical Discovery" has a specific curative effect upon all mucous surfaces and hence cures catarrh, no matter where located or what stage it may have reached. In Nasal Catarrh it is well to cleanse the passages with Dr. Sage's Catarrh Remedy fluid while using the "Discovery" as a constitutional remedy. Why the "Golden Medical Discovery" cures catarrhal diseases, as of the stomach, bowels, bladder and other pelvic organs will be plain to you if you will read a booklet of extracts from the writings of eminent medical authorities, endorsing its ingredients and explaining their curative properties. It is mailed free on request. Address Dr. R. V. Pierce, Buffalo, N. Y. This booklet gives all the ingredients entering into Dr. Pierce's medicines from which it will be seen that they contain not a drop of alcohol—pure, triple-refined glycerine being used instead.

It is foolish and often dangerous to experiment with new or but slightly tested medicines—sometimes urged upon the afflicted as "just as good" or better than "Golden Medical Discovery." The dishonest dealer sometimes insists that he knows what the proffered substitute is made of, but you don't and it is decidedly for your interest that you should know what you are taking into your stomach and system expecting it to act as a curative. To him its only a difference of profit. Therefore, insist on having Dr. Pierce's Golden Medical Discovery. If not promptly supplied trade elsewhere.

Send 31 one-cent stamps to pay cost of mailing only on a free copy of Dr. Pierce's Common Sense Medical Adviser, 1008 pages, cloth-bound. Address Dr. Pierce as above. Dr. Pierce's Pleasant Pellets regulate and strengthen Stomach, Liver and Bowels



Underwear

It's the time of year to change underwear again. The careful man will change gradually. A medium weight at the present time is the safest.

FOR NOW, we've Merino and Balbriggan Underwear in just the right weight.

All sizes, 50c to \$2.50 the garment.

A LITTLE LATER. Later you'll come in for this Underwear and you'll find that we have the best makes in several styles, Balbriggan, Lisle, sleeves and sleeveless, Athletic style, 50c to \$1.50 the garment.

You'll find us ready to supply in any size any Underwear want that you may have.

Yorke Bros. & Rogers

THE OUTFITTERS

The Queen City

Once more agog with the spirit of

Clean Up Day

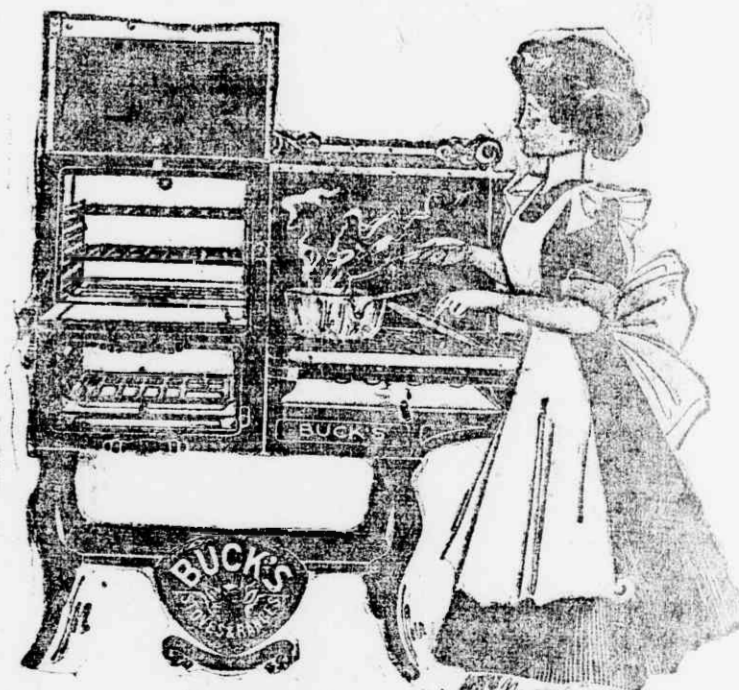
"The man with the Hoe," the Rake, the Wheelbarrow, the Broom, etc. very much in order.

SEE OUR EAST WINDOW

Charlotte Hardware Co.

H. C. Long Co.

Easter Suits \$2.50 to \$5 Less for Cash



Buck's White Enamel GAS RANGES

One Dollar Each Week will Put a Buck's Gas Range in Your Home

Why not have the comfort of a Gas Range in your home share the cost is so little. Buck's Gas Range is the best. We show them in a variety of styles. Big stock now on hand.

Come and See Them

PARKER-GARDNER CO.

THE CHRISTIAN ENDEAVORERS IN BURLINGTON

Special to The News.

Burlington, April 2.—The Christian Endeavor state convention, which adjourned with the session of Saturday evening spent a busy and profitable day yesterday. The delegates met in a quiet hour service at 9 a. m., and have adjourned during the Sunday school hour of the various churches of the town.

Rev. J. F. McCulloch preached the convention sermon at 11 o'clock, using as his text the words, "according to your faith, so be it unto you."

The afternoon session began with a devotional service, the subject of which was "Christ with me." Rev. C. H. Hubbard, D. D., then conducted a round table of Christian Endeavorers, and during the time devoted to this he answered a number of questions regarding the practical work of the movement.

The report of the committee appointed to decide as to the board of the "increase banner" for the coming year submitted its report and the banner was awarded to the Christian Endeavor society of Calvary Methodist church, Winston-Salem. This decision was reached after the committee had carefully considered the report of the societies in the state, with reference to increase in membership, contributions to missions and other Christian work accomplished.

This report also showed that the Westminster society of St. Andrew's church, Wilmington is entitled to receive the permanent banner, on account of having held the increase banner for three years successively, and that the society of the First Presbyterian church, Wilmington is entitled to increase in Junior societies was awarded to the Junior society of Elon College, and the Junior society of Asheboro received honorable mention.

Miss Jessie Williams, of Asheville, read to the convention an interesting paper on Junior work.

The closing address of the afternoon session was delivered by Rev. P. H. Fleming, D. D., pastor of the Christian church, Burlington. His subject was "The Great Commission" and he urged upon the Christian Endeavorers the importance of taking personal interest in the work of evangelization and of putting personal effort into the work. He emphasized especially the importance of winning the unsaved through methods of love.

Rev. S. S. Myrick, pastor of the Friend's church, Greensboro, conducted the devotional service at the beginning of the evening session and he spoke upon the theme "Useful young people of the Old Testament." The other speakers of the closing session of the convention were Rev. H. G. Dixon, of High Point, Rev. J. C. Leonard, of Lexington, and Rev. J. O. Atkinson, D. D., of Elon College. The subjects presented were "Deepening of spiritual life," "Deeper yet," and "Reaching the reached, and saving the lost."

The convention on Saturday took a decidedly formal step when it made a liberal pledge to the work of the state union for the coming year, and in addition, pledged a certain sum to be used in employing a field secretary, whose work it should be to organize new societies in the state, visit societies already organized, and keep in touch with all the work of Christian Endeavor in North Carolina.

Another forward step was taken in the pledges made to the "Headquarters' building" fund, the fund now being raised for the erection of a Christian Endeavor building in Boston, in the home of the united society.

The officers of the state union for the coming year are the following named:

President—Rev. R. E. Steele, Spencer.

Vice president—Rev. A. G. Dixon, High Point.

Secretary—Miss Florence Ledbetter, Greensboro.

Treasurer and superintendent of press work—Miss Mamie Bays, Charlotte.

Superintendent of Junior work—

- Miss Jennie Williams, Asheville.
- Denominational vice presidents: Christian—Rev. P. H. Fleming, D. D., Burlington.
- Congregational—Miss Sadie Bilyen, Southern Pines.
- Moravian—E. H. Stockton, Winston-Salem.
- Reformed—Rev. Shuford Peeler, Greensboro.
- Presbyterian—William C. Rourke, Wilmington.
- Methodist Protestant—L. F. Ross, Shelby.
- Friends—Arthur Meigs, Guilford College.
- Lutheran—Rev. C. Brown Cox, Burlington.
- Free Will Baptist—D. B. Sesser, Kenley.
- Baptist—Rev. O. L. Powers, High Point.
- Disciples—Rev. Jesse Caldwell, Wilson.

Resolutions of thanks were adopted by a standing vote of the delegates.

Prof. W. A. Harper, of Elon College has been president of the state union during the past two years, and much of the work accomplished has been the result of his interest and work.

Rev. J. H. Peele, of Guilford College, has been appointed to assist the colored people in effecting thorough organization of the Christian Endeavor work in their churches. The Christian Endeavor society in the Christian church, Raleigh, has been requested to use its effort in securing the reorganization of the society in the state prison, a well organized society having been conducted there several years ago.



MRS. THOMAS ATHERTON

Mrs. Thomas Atherton, the settlement of whose suit against her sister-in-law, Lady Aubrey Den Paul, on the very eve of its hearing, is believed to have been brought about by the direct intervention of King George, who wished to save the Duke of Cannaught, his uncle, from being dragged into an affair which seemed likely to eclipse even the sensational Stirling divorce tangle which shocked all England a short time ago.

SAGE FOR DARKENING THE HAIR.

There is nothing new about the idea of using sage for restoring the color of the hair. Our great-grandmothers kept their locks soft, dark and glossy by using a "sage tea." Whenever their hair fell out or took on a dull, faded or streaked appearance, they made a brew of sage leaves and applied it to their hair with wonderfully beneficial effect. Nowadays we don't have to resort to the old-time, tiresome method of gathering the herbs and making the brew. This is done by skillful chemists better than we could do it ourselves, and all we have to do is to call for the ready made product, Wyeth's Sage and Sulphur, containing sage in the proper strength, with the addition of Sulphur, another old-time remedy. This preparation is sold by all first-class druggists for 50c and \$1.00 a bottle, or is sent direct by the Wyeth Chemical Company, 74 Cortlandt St., New York City, upon receipt of price.

For sale and recommended by R. H. Should a girl be averse to a fellow who writes a verse to her?

The High Point News Department

Special to The News.

High Point, April 2.—Supt Howell of the city schools has resigned to accept a position as traveling salesman for a publishing house. The resignation takes effect at once.

The different committees of arrangements for entertaining the state Sunday school convention which meets here the later part of this month will hold an important meeting to night.

It is much gratification to the High Point boys that they came out as near head as second at the track meet held at Guilford college Saturday morning. George Martin came out with first honors in 100 yard dash, time 11 1/2 seconds.

In accordance with a plan of merger and sale to the Postal Life Insurance Company of New York, the New York Provident Savings Life Assurance Society which has maintained an office here for the past three years, closed its office Saturday. It is the policy of the Postal Company to maintain no office agency force, but solicits all its business by the mail order plan. Dr. Fred Peacock was manager for North and South Carolina and Miss Nettie Sloan of Greensboro, assistant.

A large crowd of the young people went down to Greensboro last night to attend the past graduate piano recital of Miss Minnie Moore at Greensboro's Female college.

LARGE CROWD HEARD CONCERT.

The first of the series of concerts by the Woodmen of the World Band was held yesterday afternoon at 4:30 o'clock in Vance park and proved a very pleasant occasion. The day was ideal and hundreds of people strolled and listened to the music.

The first concert being well patronized it is probable that they will be kept up during the summer. The program given yesterday was varied and well rendered.

The love of money may be the root of all evil, but the love of baseball produces the rooter.

Hay's Hair Health

Restores color to Gray or Faded hair—Removes Dandruff and invigorates the Scalp—Promotes a luxuriant, healthy hair growth—Stops its falling out. Is not a dye.

\$1.00 and 50c at Drug Stores or direct upon receipt of price and dealer's name. Send 10c for sample bottle.—Philo Hay Specialties Co., Newark, N. J., U.S.A.

REFUSE ALL SUBSTITUTES

For sale and recommended by Wood and Sheppard.



SHE POSED AS DIANA

Lady Constance Richardson, in her latest role, that of Diana, the illustrious lady who gives London a new shock daily, created a sensation at the great Chelsea Arts Club fancy ball by appearing as Diana. She wore a short, white tunic. She relied on her own athletic and undraped legs to make the goddess real. The display caused an interested throng to follow her. She was clad further in a cover filled with arrows and a silver fillet in her hair.

Presbyterian Council Just Organized.

The Presbyterian Council has just been organized in the city, representing nine Presbyterian churches with an aggregate membership of more than 3,000 members and it also represents church property worth about \$500,000, besides the Presbyterian college and the Presbyterian hospital.

The membership of the council is composed of the Presbyterian ministers of the city with one elder and one deacon from each church and one elder and one deacon additional from each church having 500 or more members.

The council will in no way interfere with the work of any other church, or with that of Presbytery. It aims to conserve Presbyterian interests by keeping the churches informed of the conditions and needs of all missions, educational and charitable work and thus unify and intensify their efforts along all lines. It further will seek to secure the sympathy and co-operation of all the people in all the work of the church.