

BACTERIA AND COLORS.

Blue Rays Kill Germs, but Red Rays Do Much About Them.

Although investigation has not been made, experimenters have not been wholly agreed as to the exact position of field of the sun's rays which is most efficient in action on bacteria and fungi.

The inquiry has been continued by Professor H. Marshall Ward, to whom the thought occurred in the course of his work that the most effective rays to the question, which rays are the most effective ones? might be best obtained by shining the solar spectrum directly upon the film of spores, and making it record the effects by their subsequent behavior, according to the different groups of rays fell upon them—in other words, by obtaining a photograph of the spectrum in living and dead bacteria.

The results showed conclusively that the rays that kill the bacteria are the blue and violet ones. An observation was made during the investigation which may go far to account for the unsatisfactory character of the determinations of former experiments.

The chief difficulty to be overcome was the great weakening of the intensity of the dispersed rays of the beam of light decomposed to form the spectrum, a weakening caused by the distribution of the molecules of the rays over a larger area and by their absorption and reflection in passing through the lenses and prisms.

It was found also, in working with the electric light, that the power of the blue and violet rays was further impaired—in other words, that they were stopped—by the material (glass) through which they had to pass.

The effect of the glass was practically the same as that of mist or haze in the atmosphere, which so filters out the blue violet rays that the light of a dull day was of little effect in the author's experiments.

These difficulties were overcome by using quartz instead of glass, with which it was possible to obtain a very pure spectrum sufficiently rich in blue and violet rays to kill the spores in a few hours. The author found it easy to obtain satisfactory results in the summer with solar rays, even with glass lenses, mirrors, etc., and exposures of five or six hours, but in winter the exposures required to be so long as to be almost impracticable.—Popular Science Monthly.

The French Expedition to Egypt.

The most novel spectacle of all was a carefully organized and equipped expedition of 100 or more scholars, who, according to what was their fashion, were destined to gather the treasures of the pharaohs and of the Ptolemies for the collection of Paris. Their apparatus for discovery was the best obtainable, their learning was at least respectable and their library was a mixture of the ancient classics with those of the modern romances, of medieval legends with modern atheism. Homer and Virgil jostled Ovid and Tasso, while Rousseau's "Heloise" stood neighbor to Goethe's "Werther." Among other "political" works were Montesquieu, the Voltaire, the Koran and the Bible. Caroline Bonaparte gave her brother a farewell gift a little pocket library, among the volumes of which were Bacon's "Essays," Mme. de Staël's "Influence of the Passions," and Merceur's "Philosophie des Nations." The curious have examined these volumes and found in their well worn pages a few passages specially marked. In his hours of solitude the great solitary read in Bacon how he who dominates others loses his own liberty; in Mme. de Staël how hard it is to keep the acquisitions of ambition; in Merceur of an oriental visionary who, after the glories of temporary success, ended his days in exile and forgetfulness.—Professor Slosser's "Life of Napoleon" in Century.

Another Man.

"Speaking of distance," said Haykins, "reminds me of something I overheard in these very rooms not two nights ago. I always knew Smoaks was of a saving nature, but I never believed that the fellow was downright mean."

"How's that?" asked Bluffing indignantly.

"Well, it was like this. Tuesday night Smoaks came in and began talking with Webb. 'I hear you're going away on Saturday,' said Smoaks.

"Yes," answered Webb. "For three months."

"And what are you doing tomorrow night?"

"Wednesday," said Webb. "I have no engagement for Wednesday."

"And the next night?"

"That's Thursday. I dine with the Blakes on that day."

"Dear, dear! That's a pity," said Smoaks, with a good bluff at disappointment. "I wanted you to take dinner with us on Thursday."—Boston Budget.

SEVEN HANDED EUCHRE.

Definite Points Given That Will Enable One to Play the Game.

For pleasure, pure and simple, seven handed euchre clubs may be cited as models. The game is played with a full pack of cards, and the joker is used. Seven cards are dealt to each player, giving first three and then four and leaving four on the table. This quartet is dubbed "the widow."

The player on the left of the dealer makes the first bid of 2, 3, 4, 5, 6 or 7 tricks, naming the suit, the highest being getting it. The bidding is done in turn. The person who secures the bid then selects three other players—partners—thus pitting four against three. If the bidder wins, he and his partners each count the amount bid. If he fails, he is crushed, and the three opponents count each the amount bid. While one can play a quiet, steady game, taking no risks, and holding high cards or the joker play for a euchre, the spirit of extreme feminine politeness engendered by this bid of the hour requires that a person holding the joker should bid the limit, seven, thereby always introducing an element of chance in the contest and giving each one more show.

Prizes are played for. A certain number of points gained can be the limit or a given period of time as agreed upon. The one holding the highest number of points at the decisive moment wins.—Philadelphia Press.

Superstitions About Stones.

There was a curious superstition which prevailed in Essex half a century ago. It was believed that certain stones possessed the power of breeding other stones. I remember being taken by a man of the upper laboring class to see a well known breeding stone which lay on the sward by the side of a lane in the parish of South Weald, near Brentwood. It was seemingly a water worn block of sandstone, or possibly, I have since thought, of pudding stone, which would explain a great deal.

It was larger than a man's head, with a cup shaped cavity the size of a small orange, in which lay a pebble about as big as an acorn. I was told that this pebble continually grew larger, and that if it were removed the breeding stone would begin to breed another. It was evident that the man firmly believed what he told me, and he got quite angry when I ventured to cast a doubt upon the story. I shall be curious to learn whether any other breeding stones are known.—Notes and Queries.

The Way the War Debt Was Paid.

No nation ever took a braver course than did the United States in deliberately beginning the reduction of that enormous war debt. The will to reduce it opened the way, and the payment went on by leaps and bounds. The policy was to call in high rate bonds as soon as callable and replace them by others bearing lower rates. So immense was the government's income that to have set so late a date as 1891 for the time when the 4½s could be canceled proved unfortunate. To fix for the maturity of the 4s so remote a date as 1907 was worse still. The 3 per cents of 1882, which supplanted earlier issues, were wisely made payable at the government's option. For the 23 years beginning with August, 1885, the reduction proceeded at an average rate of a little under \$63,000,000 yearly, which would be \$5,250,000 each month, \$175,000 each day, \$7,291 each hour and \$121 each minute.—Scribner's.

The Bulgarian Peasant.

In a Bulgarian peasant's cottage the floors are of mud. The kitchen fronting the street is also the living room. Behind there is a sleeping room, with a bedstead in it for the head of the house, while the sons and daughters sleep upon mats stretched on the floor. The furniture consists of wooden tables, benches and chests. The crockery and household utensils of every sort seem of the commonest and coarsest kind. I should doubt if there is a single house in the whole village in which any English laborer or artisan earning good wages would not deem it a hardship to be obliged to live. At the same time, there was no single dwelling which, given the habits and customs of the country, could be fairly described as unfit for human habitation.—"The Peasant State," Dicoy.

A Great Candidate.

For your favor is Otto's Cure for the throat and lungs, we can confidently recommend it to all as a superior remedy for coughs, colds, asthma, bronchitis, and all lung affections. It will stop a cough quicker than any known remedy. We guarantee it to cure you. Instant relief in all cases of croup and whooping cough. If you are suffering, don't delay, but call on us and get a sample bottle of this great guaranteed remedy and be one of the great party on the road to health. Samples free. Large bottles 50c. at W. B. Alexander's, sole agent.

It Makes a Difference at 3 A. M. "No, gentlemen, I never have any trouble going home late. If my wife's sitting up for me, I stoop down and kiss her—forehead, not mouth, of course—and say, 'Why, little dear, you shouldn't have sat up so long for me.' And then I get off that old one about sitting up with a'—

"That's all very well for you," said the little fellow who had been fidgeting about for an hour, "but my wife is a giantess in a mused, and"

"Scott! You ought to have gone home!"—New York Recorder.

At the Photographer's. Herr Flizinger (a skinflint)—What shall I have to pay for the likeness? Artist—'I'd rather tell you that later on. I want you now to look pleasant.—Kawotzner Zeitung.

Shiloh's cure, the great cough and croup cure, is in great demand. Pocket size contains twenty-five doses, only 25c. Children love it. Sold by J. C. King & Co.

Trials of Newspaper Men.

The Rev. Dr. Talmage has obtained some interesting and accurate information about the interior workings of a newspaper office, upon which he bases the following truthful remarks:

One of the great trials of the newspaper profession is that members are compelled to see more of the slams of the world than any other profession. Through every newspaper office day after day go all the weaknesses of the world—all the vanities that want to be puffed, all the revenges that want to be repaid, all the mistakes that want to be corrected, all the dull speakers that want to be thought eloquent, all the meanness that wants to get its wares noticed gratis in order to save the tax of the advertising column, all men who want to be set right who were never right, all the crack brained philosophers with stories as long as their hair and as gloomy as their finger nails in the morning, bereft of soap—all the bores who come to stay five minutes, but talk five hours. Through the editorial and reporter rooms all the follies and shams of the world are seen day after day, and the temptation is neither so believe in God, man nor woman. It is no surprise to me that in this profession there are some skeptical men. I only wonder that newspaper men believe anything.

The Balfour Family.

Mr. Arthur James Balfour is not the only noteworthy member of that family. His oldest brother, Frank, who was perhaps the ablest of the family, has made such a reputation at 30 as a biologist that a special professorship was established at Cambridge for him, and after his death, which was caused by a fall in the Alps, a scholarship was founded in his name. There are two brothers now living. One, Gerald Balfour, chief secretary for Ireland, was for seven years a fellow of Cambridge, where I have so far done nothing remarkable. Both these brothers are members of parliament and politicians. The oldest sister is the wife of Professor Sedgwick, the economist, and is president of Newnham college and one of the best known women in England. She founded that college and has been its president for three years, teaching mathematics, in which she takes very high rank. Another sister is also a fine mathematician. She is the wife of Lord Rayleigh, the scientist and discoverer of argon, and helps her husband in his researches and his mathematical investigations. A third sister is the housekeeper, friend and companion of the leader of the commons and is a woman of fine intellect and scholarship.—Boston Transcript.

Hand.

We would be pleased to have you call at our store for a free package of Bacon's Celery King for the Nerves, which we are distributing to all afflicted with dyspepsia and all blood, liver and kidney diseases. Bacon's Celery King is simply doing wonders in building up worn out constitutions, and is the grand specific for nervousness, sleeplessness, headache, and all derangements of the stomach, liver and kidneys. Samples free. Large packages 50c. at W. B. Alexander's, sole agent.

Frankford, Del., July 20, 1894. Gentlemen—I have been suffering from insomnia, caused, I suppose, from disordered liver. A friend of mine recommended Hood's Compound Extract Celery. Although I am not a believer in medicines of this kind, rather than suffer any longer I was prevailed upon to give your medicine a trial. Had any one foretold the results that followed, I would have disbelieved them. Thanks to the excellent effects from two bottles, I am working eight hours per day and sleeping like a top.

PATRICK HENNESSY. Sold by Stoke, the druggist. Drinking Fountains in London. The first drinking fountain was erected on Snow hill 37 years ago, and today the association which caters for man and beast in this respect has erected and maintains 700 fountains for human beings and over that number of drinking troughs for cattle in the streets and open spaces of London.—London Globe.

They Were Ten. She—Why is Mr. Scherzo so sad when he sings? He—I suppose he wants to be in sympathy with his audience.—New York Herald.

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ADMINISTRATOR'S NOTICE. Notice is hereby given that letters of Administration on the estate of Michael Coffee, late of Reynoldsville, Jefferson county, Pa., have been granted to C. J. King, of Reynoldsville, Pa. All persons indebted to said estate are required to make immediate payment to the administrator, and those having claims against it will present them, properly proved, to him for settlement. C. J. King, Administrator C. T. A. of M. Coffee Estate, Reynoldsville, Pa.

Railroad Time Tables.

PENNSYLVANIA RAILROAD. IN EFFECT MAY 19, 1895.

Philadelphia & Erie Railroad Division Time Table. Trains leave Philadelphia.

EASTWARD. 9:01 a. m.—Train 8, daily except Sunday for Sunbury, Harrisburg and intermediate stations, arriving at Philadelphia 6:23 p. m., New York 8:24 p. m., Baltimore 6:15 p. m., Washington, 7:30 p. m. Pullman Parlor car from Williamsport and passenger coaches from Harrisburg to Philadelphia.

9:30 p. m.—Train 9, daily except Sunday for Harrisburg and intermediate stations, arriving at Philadelphia 6:52 a. m., New York, 7:53 a. m. Pullman Sleeping cars from Harrisburg to Philadelphia and New York, Philadelphia passengers can remain in sleeper until 7:00 a. m.

WESTWARD. 7:26 a. m.—Train 1, daily except Sunday for Ridgway, DuBois, Clermont and intermediate stations. Leaves Ridgway at 7:00 p. m. for Erie, 7:30 p. m. for Erie and intermediate stations.

THROUGH TRAINS FOR DRIFTWOOD FROM THE EAST AND SOUTH. TRAIN 11 leaves Philadelphia 8:50 a. m., Harrisburg, 7:50 a. m., Baltimore, 6:50 a. m., Wilkesbarre, 6:15 a. m., daily except Sunday, arriving at Driftwood at 6:27 p. m. with Pullman Parlor car from Philadelphia to Williamsport.

JOHNSONBURG RAILROAD. (Daily except Sunday.) TRAIN 19 leaves Ridgway at 9:00 a. m., Johnsonburg at 9:45 a. m., arriving at Clermont at 10:40 a. m.

TRAIN 20 leaves Clermont at 10:50 a. m., arriving at Johnsonburg at 11:44 a. m. and Ridgway at 12:40 a. m.

RIDGWAY & CLEARFIELD R. R.

DAILY EXCEPT SUNDAY.

Table with columns: SOUTHWARD, NORTHWARD, P. M., A. M., STATIONS, A. M., P. M.

TRAINS LEAVE RIDGWAY.

Eastward. Westward. Train 8, 7:15 a. m. Train 3, 11:34 a. m. Train 5, 1:45 p. m. Train 11, 2:40 p. m. Train 4, 7:55 p. m. Train 11, 8:25 p. m.

S. M. PREVOST, Gen. Manager. J. R. WOOD, Gen. Pass. Agt.

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The short line between DuBois, Ridgway, Bradford, Salamanca, Buffalo, Rochester, Niagara Falls and points in the upper of region.

On and after June 17th, 1894, passenger trains will arrive and depart from Falls Creek station, daily, except Sunday, as follows:

1:20 a. m. and 5:20 p. m.—Accommodations from Punxsutawney and Big Run.

8:50 a. m.—Buffalo and Rochester mail—For Brockwayville, Ridgway, Johnsonburg, Mt. Jewett, Bradford, Salamanca, Buffalo and Rochester; connecting at Johnsonburg with P. & E. train 3, for Wilkes, Kane, Warren, Coery and Erie.

10:33 a. m.—Accommodations—For Sykes, Big Run and Punxsutawney.

2:40 p. m.—Bradford Accommodation—For Brockwayville, Brockwayville, Elmport, Carleton, Ridgway, Johnsonburg, Mt. Jewett and Bradford.

5:10 p. m.—Mail—For DuBois, Sykes, Big Run, Punxsutawney and Walston.

Passengers are requested to purchase tickets before entering the cars. An excess charge of Ten Cents will be collected by conductors when fares are paid on trains from all stations where a ticket office is maintained.

Thousand mile tickets at two cents per mile, good for passage between all stations. J. H. McINTYRE, Agent, Falls Creek, Pa.

R. G. MATHEWS, E. C. LAUREY, General Supt. Gen. Pass. Agent, Buffalo N. Y. Rochester N. Y.

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Table with columns: EASTWARD, STATIONS, No. 1, No. 5, No. 9, 101, 109.

WESTWARD.

Table with columns: STATIONS, No. 2, No. 6, No. 10, 106, 110.

Trains daily except Sunday. DAVID CARO, GEN'L. SUPT. JAS. P. ANDERSON, GEN'L. PASS. AGT.

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