BRINGING THE HOLIDAY SPIRIT TO THE POOR

families helped or the work-ers helping them get most loy out of the Christmas distribution. A real settlement worker, one imbued with the right spirit, will tell you that

es of the poor and the suffering on Christmas eve can realize the pleasure of bringing happiness, and sunshine into these homes. Many settlement visitors, who have given up the work for some reason or another, but who return to assist with the Christmas distributions, give generously from their own purses that the baskets may be larger and more families aided.

Wealthy women, who have never

done settlement work, enter into the Santa Claus spirit and visit the alley and tenement disthe large tricts of cities on the night before Christmas. their automobiles heavily laden with toys, turkeys and things to eat. They employ investigators to canvass the section in which they are interested a week before the holidays, and the distribution is made

only one who has visited the AN UNEXPECTED SANTA CLAUS

> $\Box \Pi (a)$ OC

> > A REAL CHRISTMAS REUNION

according to their reports. Oftentimes grudges and let bygones be bygone small trees are sent to the homes, shake hands with their enemies and with glass balls, trimmings and candy wish one another good luck.

toys, and the donors, with the aid of How many reunions and reconciliatheir chauffeurs and the parents of the children, fix the tree while the littions take place then is known only to these good women. The hearts of tle tots are asleep. many men who have been separated

Though little known, Santa Claus' from their wives and families bework in the slums of the big cities come softened as the holidays draw is carried on along systematic lines near, and it isn't uncommon for the to overcome any overlapping of the multitude of good intentions. In days settlements worker to find them together when she comes with the gone by, charitably inclined women Christmas basket. would leave a large basket of pro Many prodigal sons return

visions in a house in ignorance of Christmas eve. A striking case of another basket hidden in the closet. this kind that occurred two years ago And it was not unusual for two or three workers to meet in the same kitchen at the one time, each burshe had never witnessed a scene on dened with good things for the one any stage that could equal it. family.

This is an error of the past; for mas prayer of a broken-hearted mothnow the Christmas giving has been systematized. Settlement workers of boy. the various societies and representatives of the wealthy private givers compile a list of those they will assist, and all go over their lists carefully together.

older brother and a sister. His father Although the Christmas giving is was a hard-working man and used all all cut and dried a few days before the time, Santa Claus' secret is not his earnings for his home. The younger boy, being the baby of the family, given away. Half of the pleasure was the pet of all; but he had a wild would be gone if the families knew that the visitors were coming with disposition, and he wanted to see something of life. He decided to run food and toys in abundance. It is away from home and go West. When he reached the ranches of

true that those who are visited and quizzed by the private workers have Arizona he found that the cowboy life shrewd suspicion, after they have wasn't as bright as it was painted. told their tale of woe and received He longed for home many a time, but the sympathy of the visitor, that something substantial is to follow. The regular settlement workers know their ground pretty well; they know which families have had a hard road daring attracted the attention of the to travel and are putting up a good owner of the ranch, and he placed battle against the tide of misfortune him in charge of another place. When

The settlement workers have little investigating to do before the holidays; their entrance into a home or turn in time for Christmas. tenoment is always greeted with surfor they generally make it a that another family was living there, point to go where they are least exand he learned from neighbors that pec-ed.

his father was dead; that his sister "The poor are always with us" is had grieved so over his disappearance doubly true at Christmas time. Fam-ilies who can barely exist, who du that she died shortly after he had left, flies who can barely exist, who do and that his brother had been killed in an accident. The mother, doubly is coming from, can certainly not af-ford any extras for the holiday sea-and was subsisting as best she could One of the first place we visited was



in this home, and it was a delicate undertaking to bring a woman like this any provisions. But I explained to her that it was a present and her joy was only equaled by that of her children, who were more than delighted with their new toys.

reach of our personal senses. And this is well worth while because a com-"I have been in homes where the children never had toys, and I have brought them their first playthings. prehension of natural forces enables us to live sane, wholesome and there-In one case there were two children, a fore happy lives. boy and a girl, Pepino and Mechalmo. Their father died when they were radiating out from something. For bables, and the mother supported example, we speak of light emanating them. She had come to this country or radiating from the sun. In the evoa bride and was not well versed with lution of our modern views of the con the American way of doing things. stitution of matter the study of the radiations has furnished some of the She did not even know how to make a rag doll for the children. We most significant clews in connection brought those children a small tree, decorated it, and gave them plenty of with both the undulatory or wave ra-diations of which light is the charactoys. Words couldn't tell the happiteristic example, and also of the corpuscular radiations, which are proved ness of those little ones.

"There is more pleasure in the work than you would imagine. We see many sad scenes, sorrow and joy mingled together, but we also find much to amuse us. Last year we took a basket to an old colored woman. Her husband was a paralytic and she had two orphaned grandchildren to keep. Christmas to her was to be the same as any other day until we arrived with the provisions and toys. She glanced at us as we entered the room. and when we put the basket on the on table, she stared at it and pointed to herself, as much as to say, 'For me?' this kind that occurred two years ago was run across by a settlement work-er in Philadelphia. She said that of her eyes, and she raised both of eyes, and she raised both of her hands above her head, clasped It them together and said, 'De Lord be was a real case of where the Christ- praised.' That was all she said; but she repeated it time and again. One er was answered by the return of her time her eyes would be as large as

dollars and she would joyously sing The son ran away from home seven the 'De Lord be praised' and again years earlier, when a youth of sixteen she would be sad and mournful and years. He had a good home and the family consisted of his parents, an moan 'De Lord be praised.' "Finally her husband, who was un-

able to leave his chair, lost his patience and he shouted, 'Liza, good Lord, woman, has you done lost your Why don't you head altogether? thank the ladies? Then, as a sort of apology to us, he said: 'You'll have to excuse her, ladies, for she has sure ly done lost her head altogether.' As we left the room and glanced back, poor Liza was still standing there, looking at us with her hands clasped before her and slowly nodding her vowed that he would not return a head saying: 'De Lord be praised.' failure. He persevered until he had We concluded Liza knew better than made good, though it took seven years her husband. She was thanking the for him to do it. His fearlessness and right one.

"I have witnessed many reconsiliations of families of foreigners on Christmas eve. The afternoon that I the young man had a goodly wad of spent at the immigration station last bills accumulated he decided to re-year was one of the pleasantest of my life. It was interesting to note the expression of gladness on the faces of Ho reached the old house to find the children in the costumes of their various fatherlands. They couldn't speak a word of Faglish, but they could show you that ,hey were grateful for the plaything.

"I will never forge, my first Christmas visitation. It vas my initial ex-

tion that the ray may possess, bu Fundamental rather to a change in the blood itself. which makes it untenable to these bacteria. It is considered to bear out **Principles** of the vaccination theory of the X ray, this being that there is a rapid manufacture of the antibodies. This theory Health and these results are exceedingly suggestive in connection with the results we have recently considered from the use of the direct rays of the sun in the matter of surgical tuberculosis cases and of heliotheraphy in general.

THE HERTFORD COUNTY HERALD

By ALBERT S. GRAY, M. D.

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000 miles a second.

our limited senses

on human diseases and on life in gen

eral.

THE X-RAY.

Results had in these cases were con

sidered not due to any bactericidal ac-

The discovery of the X-ray burst upon the world without the slightest warning and completely astounded even the most astute and learned scientists of the time. But we can CANCER AND THE RADIANT RAYS. ow see that it was the perfectly logi-It is exceedingly difficult for most of cal sequence of a long series of dis-coveries, following numberless experiis to grasp offhand a clear understanding of anything we cannot see with ments by many individuals with a our own eyes, hold in our hands, touch, scientific toy known as the Geissler taste, smell or hear; but with a very tube. Geissler had demonstrated the little effort we can achieve the seem-ingly impossible and secure an unpeculiar behavior of electric diacharges through different gases conderstanding of phenomena beyond the fined in a sealed tube and under various degrees of vacuum, whereby the spark became a more or less steady stream.

Following Geissler, Sir William Crookes became the chief investigator An emanation is anything flowing or along these lines, and by means of miniature wind-wheels and turbines in his improved tubes, now known as Crookes tubes, demonstrated that the current of electricity flowing from the negative pole and known as the cathode stream could be transformed into kinetic energy. "Radiant matter" was the term used by Crookes to describe the highly rarefied gas, or "ultra gase ous matter," which he found to produce certain peculiar mechanical and beyond all question to consist of parluminous effects when a charge of high ticles of matter or electricity. These potential electricity was passed particles are proved to be traveling at through it.

speeds varying from one millimeter a As with all new thoughts, the idea second to approximately the velocity was fiercely attacked by many of the of light, which is as we all know, 186, clentific men of the time, who strenuously argued against it and endeavored When ordinary bodies are heated to to prove that both the theory and the about 500 degrees Centigrade (932 de-grees Fahrenheit) they begin to emit nstrations amounted to nothing. But a few choice spirits pressed on.

visible light, no matter what the sub-Lenard demonstrated that the cathstance may be, and the radiations appear to be due to this definite temperode stream could be detected outside the tube as well as within it and that ature and are referred to as temperait could be deflected or attracted by ture radiations. But in certain cases a magnet. A professor of physics in light is found to be emitted at a tem the University of Wurzburg, in B perature far below that at which temvaria, W. K. Roentgen, noted in 1895 perature radiations set in, and these that substances such as potaesium phenomena we know as luminescence, platinocyanide became luminous when phosphorescence and the like-light brought near to a tube exhausted to a without heat, we call it. But one and vacuum so that the glass was brightly all are due to the interchange of some phosphorescent. About this time also form of energy and most of it is be he noticed that a large number of phoyond the border line of our ability to tographic plates placed within range perceive without external assistance to of a Crookes tube with which he was experimenting were fogged, although Light wave radiations are propa they were simply protected from light by the usual light-tight plate holders, gated exactly like waves in water or sound in air, without the transfer of and he began to suspect a connection any matter along the path of propagabetween the two phenomena. A few tion, but corpuscular radiations con more experiments and the idea crystal sist of streams of fine particles prolized-he viewed his own bones through the flesh of his hand and jected at various degrees of high velocities and may, perhaps, best be ilknowledge of the new ray was born instrated by imaging a stream of fine November 8, 1895. Because the ray which produced gravel. Probably all are familiar with

the sand blast and how it will cut luorescence showed him the bones in away the hardest surface and not inthe living human body, affected photo jure the softest fabric. There is a graphic plates while inclosed in light close relationship between the two tight boxes and could not be reflecttypes of radiation, just as there is beed, refracted nor deflected by a magtween the air and the sand, and the net, Roentgen knew that he had dis principals involved are undoubtedly covered a new and unbroken ray and which will be found to account he therefore called it the X-ray.

for the many marvelous effects of It may be asked how it is possible both the direct and indirect sunlight to distinguish between such radiations of different wave lengths. This achieved through demonstrating by We have noted the effects of direct means of photography, or a fluorescent sunlight in a general way and now screen, or the electroscope, the "pene-trating power" or "hardness" of the come to the matter of indirect sunlight, for we should not for a minute short wave emanations after traversforget that all forms of energy on this ing various thicknesses of a medium earth are but converted sun energy. which absorbs X-rays, such as, for ex-But before considering the subject of ample, aluminum. The shorter the wave length the "harder" the ray, radiations in general perhaps it would be best to survey very briefly the field and the "harder" the ray the greater of their application to our needs in its penetrating power. Soddy has demorder to get the connection and show

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BRITAIN'S WAR CENSOR



Sir Stanley Owen Buckmaster, K. C., M. P., who is censor of war news for the British government, is practically unknown to this country, and is not yet a very familiar figure to the public in England. But he has a great reputation in the courts, where he has been a leader in chancery for many years. Whereas Mr. Smith at forty-two would be called young by all men, Sir Stanley Buckmaster, who is fifty-three, would only be called young by some men. His great gift is lucid exposition and directness in thought and speech. He can clothe the dry bones of chancery law with such interest and fascination that it is a recreation for a layman to hear him argue. A case the presenting of which by the average lawyer would be a painful punishment to hear, when argued by Sir, Stanley bec most romantic.

For many years he has been what

lawyers call a "special," a rank which has been created by lawyers in obedience to the injunction that to him that hath shall be given. It means that upon every brief delivered to his law chambers there must be marked, in addition to all ordinary fees, a special sum of 50 guineas, about \$260.

His parliamentary reputation has grown very markedly since he was appointed solicitor-general last year. As a busy lawyer in private practice it was not possible for him to make more than an occasional contribution to debate, though whenever he did it was on such a high level that the house heard him with a sense of profit and of pleasure. Now that he has retired from private practice and occupies a ministerial position with a seat on the treasury bench as an active lleutenant of Mr. Asquith in the passing of legislation, he is steadily growing to the place and power that all who have known him and watched his career had prophesied and expected.

WOULD PREPARE FOR WAR

In the discussions of the lesson of the European war as applied to the military problems of the United States no man in congress has a larger part than Representative Julius Kahn of California. Mr. Kahn, as president of the National Defense league of the United States, is an ear nest advocate of peace, but he holds that for the United States, at least, preparedness for war is the only insurance against war.

"Militarist," his very good friend, Representative Richard Bartholdt of Missouri, calls him, in their debates on the subject. "Pacifist," retorts Mr. Kahn, for Mr. Bartholdt is committed to the cause of peace, and is one of the country's most noted advocates of arbitration as a cure for war.

Both of German nativity, both of long service in congress, both leaders of thought on their respective sides, Messrs. Kahn and Bartholdt are at pposite points of the pole on mili-

tary subjects. Mr. Kahn, personally gentle and kind of manner, fair and liberal in debate, philosophical in his habits of mind, never comes so near to losing his patience as when he hears pacifist arguments, and especially when he hears them in these days of the European war. "Yes, yes," said he, almost impatiently, when some of the recent publications were brought to him in which appeared articles arguing that preparatio

for war inevitably is an invitation for war. "Yes, yes; I have seen all that stuff. How silly and futile it appears in the light of what is going on in Europe! What comes to a nation that attempts, by power of its peaceful example,

to lead the nations of the world into the paths of peace and concord and to avoid all war? China, with her four hundred millions of population, furnishes the answer!"



"Fancy names, abbreviations, or pet names do not claim much favor in these times," remarked Mrs. Owen, wife of the Oklahoma statesman. "I am frequently asked why I do not call myself Margaret, and I reply promptly because I have no right to the name. I was born when the fields of



 "Mo one can really appreciate," said meals, and there was no coal in the a sattlement worker in another city, how happy one feels after 'isiting and there was a clean and here was a clean a	III covered it was found that they exert the ed a destructive influence on living tissues, which became more marked the longer animal structures were expression in general created the nervice of a system for designating the different the longer animal structures were expression is expression it was learned in the that it was a very dangerous power. In Germany a few careful, conscientions and they are therefore be named alpha, beta, gamma from the trans, and they have therefore be named alpha, beta, gamma from the trans, and they have therefore be named alpha, beta, gamma from the trans, and they have therefore be named alpha, beta, gamma from the trans, and they have therefore be named alpha, beta, gamma from the stream of the opposite end; sub quently a metal target known as the showing most encouraging results in concerous conditions and in some forms of sepsis. Kroenig's clinic at Freiburgis is twolf become necessary to stop there are sold times as concentrated as ration. For these and other rease thorium and radium. Mesothorium is shorter time. At the clinic, where for cancer only a slight operation is performed and the the ray slone is employed.	<text><text><text><text></text></text></text></text>
to look like one compound word by the same thing in the sems, is the tersest lant to the superior brevity of the Eng- really do exactly the same thing in the sems, is the tersest lant to the superior brevity of the Eng- English, only we print the elements of the second end of the superior brevity of the Eng- terse in Europe. An Italian news- English, only we print the elements of the second end of the superior brevity of the Eng- terse in Europe. An Italian news- English, only we print the elements of the second end of the superior brevity of the Eng- terse in Europe. An Italian news- the superior brevity of the Eng- terse in Europe. An Italian news- the superior brevity of the Eng- the superior brevity of the superior brevit	Their Contentions. An English scientific publication has recently given much space to a discus- sion of the old, but very absorbing, question as to whether the process of dying is accompanied by conscious	Gov. Simeon E. Baldwin of Con- necticut, defeated for the United States senate at the recent eléction, is seventy-five years cold, but a great walker. He believes in walking. He was in Washington while the Ameri- can Bar association was in session, and he and ex-President Tait, among others, were named to go to the White House and excort President Wilson to the session. They rode across Wash- ington in an automobile and the gov- ernor explained their purpose to the president.
BELGIAN CITY OF THE PAST Ypres Ranked in Greatness One Time With Chicago and Other Cen- ters of Trade. Doubtless there are millions and millions of Americans to whom the hander of the little Belgian town of Ypres comes as an absolute stranger and without significance, remarks the philadeiphis Record. Still, in the hard and then scattered from Belgium to England, France, Holland, Germany and other countries. It also has great	same to which the scientific investi- gator has always adhered, viz, that a merciful Nature so benumbs the senses as the body is losing its hold upon physical life that the dying pers- son is entirely unconscious of pain. Among the many incidents which apparently shed light upon the matter one is mentioned which occurred only the other days. It is the case of a man in his eightieth year who was sud-	"I hear, governor," the ex-president said, "that you are fond of walking." "I take a daily constitutional," was the reply of the tall, sparse, wonderfully active executive. "Good," said the president. "In that case we'll foot it to the meeths." And off the party started. The governor acted as pacemaker and the ex-president had hard work to keep up with the procession. Last summer, at Stonington, the governor made an eight-mile through the country in the morning, and in the atternoon refused on the or the or the the through the country in the morning, and in the atternoon refused as a start of the celeption has was attending."

nnysicians. He lay gasping for breath break!"