

SCARRED SCIENTIST RENEWS X-RAY FIGHT

Survivor of 72 Operations Taunts Old Enemy.

Baltimore, Md.—Dr. Frederick Henry Baetjer, professor of roentgenology at Johns Hopkins medical school, is back at his big game of tag with the vengeful slave he is taming.

The "last of the old guard"—with the scars of the latest of more than three score and ten amputations and skin-grafting operations scarcely healed—is rounding out a quarter century of duelling with the dragon that lurks in Roentgen's ray. He plans to stay in the fight until the ray's searing thrusts finally break down the defense of modern surgery.

Burns Eat Body.

Insidious X-ray burns slowly are eating his body away. They have taken seven of his fingers and one of his thumbs, and the glands from his right arm and shoulder. Seventy-two times he has been burned and as many times has Doctor Baetjer's medical colleagues succeeded in staying the attack. But each burn has left its mark.

Doctor Baetjer is daring a demon that has slain many of his early co-workers in roentgenology. One of the last to die was Prof. J. Bergonie, an outstanding authority whose work had been contemporary with Doctor Baetjer's. Surgeons see a like fate awaiting the Johns Hopkins professor—but he goes on, displaying his contempt for the X-ray's death threat in writing whimsical rimes and jingles.

In common with his associates Doctor Baetjer engaged in roentgenological research when knowledge of the ray and its potency was in its infancy. It was some time after the discovery of the X-ray that its effect on the human body began to be understood, and in those pioneer days neither the screens which today protect X-ray operators, nor the need for them was known. While a patient undergoing X-ray treatment would be exposed to the ray for only a fraction of a second, the early-day operators were subjected to the ray's full power for long periods. They suffered severely or paid with their lives for the knowledge that has contributed much to the present-day safety of X-ray control.

Began Experiments in 1901.

Doctor Baetjer began his experiments in 1901, immediately after his graduation from Johns Hopkins medical school. In a few months the ray had started a train of destructive burns. In its incipency the effect of prolonged exposure to the Roentgen ray resembles sunburn. If exposure is repeated, as it was in the pioneer days, ulcers form and shriveling of the exposed parts sets in. Physicians say that most of Doctor Baetjer's present sufferings are due to early infections.

By 1909 he had lost four fingers—now only one finger and one thumb remain. In 1914 the glands at the junction of the right arm and shoulder were removed to save the arm from advancing infection.

In the seventy-second operation, performed in March, skin was grafted in one more attempt to save the remainder of the hands.

Find Cancer Withers

With Oxygen Removed

Berlin.—That the growth of a cancer is fostered by oxygen is the belief advanced by Prof. Otto Warburg, head of the Kaiser Wilhelm Biological Institute here.

A sensation has been created among scientists by an article written by Professor Warburg, in which he describes how cancerous growth transplanted in rats withered and died within forty-eight hours when the oxygen inside the glass cage containing the rodents was reduced to the minimum atmospheric ratio capable of sustaining life. During the treatment, he says, the rats refused food, but they immediately regained their normal vitality when the oxygen supply was increased.

Professor Warburg says he is not yet ready to believe this treatment is applicable to human beings, but other scientists regard his experiments as an advancement toward the cure of cancer.

English Geese Guard

Stables Like Watch Dogs

London.—A man visiting a sick horse in some stables at Canning Town recently found his way barred by two large geese which guarded the approach. All his efforts to pass were unavailing and the two "sentries" ultimately chased the man away, beating him on the legs as he fled.

When the owner of the geese was called the geese became as quiet as a pair of turtle doves. "I've had them for 17 years," she explained, "and they have saved me the price of many a dog license. Billy and Biddy are much more efficient than a dog, and it is never necessary for my stables to be locked at night with these two geese as watchmen. Moreover, Biddy still goes on laying—and you couldn't get eggs from a bulldog."

She Gets 'Em

New York.—Ruth O'Shaughnessy, a nineteen-year-old blind girl from Asheville, N. C., can play the piano in a way that stirs hard-boiled business men to tears. They did so when she gave her first metropolitan recital under the auspices of the Kwanan club, which is sponsoring her musical career.

STUDYING PERILS FACED BY HERRING

Scientists Conduct Investigation in Orkneys.

Kirkwall, Orkney Islands.—An expedition of naturalists is investigating from here the greatest of natural mysteries—how a herring ever gets to the dinner table.

Millions of herring are caught, eaten and relished every year. But scientists know that many more millions rarely ever pass the spawn age, and equal millions never get to adolescence, yet they travel in such numbers that they have been known to stop a steamship.

They are the prey of all other fish and human beings from the cradle to the stomach, and yet they are the pests of their own world.

The expedition has devoted two years investigating the habits and trials of the herring in their "alma mater," the Orkney Islands and adjacent wet spaces. The scientists have learned there are enough father and mother herrings to lay billions of spawn each year. This spawn is awaited by millions of fish, mostly greedy codfish, who fatten and blast themselves on the choice caviar thus provided.

The codfish, jellyfish, and many other varieties get their substance for weeks by sucking the herring spawn from the rocks and other places in which they nestle.

Despite these marauders, the adhesive eggs survive the incubation period and produce teeming masses of tiny thread-like fishes.

All things work against the herring. It becomes the prey of the trawler more easily than any other fish, for the trawler is led directly to the herring shoals by the other and larger fish.

KICKS CAUSE A SUIT



Kicks on \$200,000 legs are the basis of a suit started in the Supreme court, New York city, by Thais La Pe, dancer, who charges she was ejected from a New York hotel and that private detectives injured the legs she is showing in this photograph. The legs are insured for \$200,000, and Thais is suing for \$500,000.

Performs Operation

With Kitchen Knife

Auckland, N. Z.—Dr. Walter Bremmer sailed for London recently.

A few days out of Auckland, William Torrington, member of the crew, was stricken with appendicitis. Dr. Bremmer treated him medically, but when the trouble became acute it was apparent an operation would be necessary.

Doctor Bremmer had few surgical instruments with him. But he did have resourcefulness. So he had some of the kitchen knives sharpened and sterilized.

He had a table in the ship's dining room cleared and with chloroform for an anesthetic he set about his task.

Among the passengers were Miss Allison Barnett and Miss Eugenie Jurouhalic, trained nurses, of Boston.

They assisted Chief Steward Charles Edwards in applying the anesthetic. First Officer J. S. Hooker, who had sharpened and sterilized the kitchen knives, acted in the capacity of instrument assistant.

Show Glutton Fish

of 7,000,000 B. C.

Washington.—Seven or eight million years ago or thereabouts, when the present State of Kansas was an inland sea, a giant fish turned cannibal and swallowed what might easily have been one of his own progeny—head first, fins, tail and all.

In all probability, however, he paid the price for his gluttony, for he died immediately after. Today scientists of the National museum, under direction of the Smithsonian Institution, are preparing his fossilized skeleton, including that of his undigested last meal, for exhibition at the sesquicentennial exposition at Philadelphia this summer. Porthous is the name of the giant fish and of the fish it swallowed, and they belong to a group which has long since been extinct. The present specimen measured about twelve feet from tip to tail. The smaller fish reached nearly six feet.

PIGMY EXPEDITION OFF FOR INTERIOR

Smithsonian Party Seeks New Guinea Mountains.

Washington.—An airplane expedition backed by the Smithsonian Institution has started to explore what the Smithsonian describes as "the world's greatest unknown land and its pigmy inhabitants." According to word received by the Smithsonian from Dr. Matthew W. Stirling, who heads it, the expedition, with its airplane backed by between 300 and 400 men, has started up the Memberamo river for the snowy mountains of Dutch New Guinea in the Dutch East Indies, said to be the largest island in the world.

"For the 400 years since what is now Dutch New Guinea was first seen by Europeans, the mountainous backbone of the country has resisted the attempts of civilized man to penetrate its secrets," says a statement issued by the Smithsonian. "The coastal jungle has interposed its mud and thickets, its fevers and poisons and many who have tried have died or have come away baffled."

The expedition is sponsored, in addition to the Smithsonian, by the Dutch East Indian government.

Most of those in the party are native carriers, soldiers and convicts. Their main function is to transport and protect food supplies. Except for a few wild pig, wallaby, cassowary and some game birds, the jungle of New Guinea offers practically no animal food.

Supply Bases Established.

The mouth of the Memberamo river is on the north coast of Cape d'Urville. The expedition is working south up the river to the junction of the Rouffar, by which it hopes to gain access to the mountains. It is establishing various bases, from one of which the transport plane will operate.

The airplane will reconnoiter the jungle to determine the best approach to the mountains, attempt to find the hidden villages of the pigmy peoples known to dwell in the mountains, carry cartographers to make maps of this virgin land, and, if possible, make landings in isolated spots for natural history collections.

Doctor Stirling has 70 Dyak carriers from central Borneo and more than 200 native Javanese and Ambonese soldiers and Malay convicts. A Dutch captain and two lieutenants command the military detachment. A medical officer and two medical assistants are with the expedition.

Home of Primitive Races.

Since the party plans to explore an area of many thousand square miles on which no white man has set foot, it includes specialists in several fields so that as little as possible may be missed.

Doctor Stirling will take care of the collection of data on the mountain pigmies he hopes to find, and the Papuans who inhabit the coastal plains. Both pigmies and Papuans are among the most primitive races of mankind. The former, a distinct people living in the mountainous interior, seem less developed mentally. From the very few that an English expedition saw in 1911, the pigmies appear to be about four feet nine inches in height. They are yellowish black in color, with short, woolly black hair. They go naked, except for a loin covering.

Doctor Van Leeuwen, director of the Botanical gardens at Buitenzorg, accompanies the expedition to make collections of the New Guinea plants. New Guinea is 1,400 miles long by 400 miles across, with an area of 308,000 square miles. The mountainous backbone of Dutch New Guinea has been the goal of many expeditions, the results of which were limited to sickness and disappointment.

U. S. Auto Production

4,157,830 Cars in 1925

Washington.—Production of motor vehicles of all classes last year totaled 4,157,830, with a wholesale factory value of \$2,984,488,039. This was an increase, the Commerce department reported, of 6.9 per cent in number and 12.4 per cent in value as compared with 1923, when the last census was taken.

Total production by establishments engaged primarily in the manufacture of motor vehicles, exclusive of body, parts and accessory makers, reached \$3,371,855,505 in 1925, including 3,055,048 passenger vehicles valued at \$2,527,993,148, 13,627 public conveyances worth \$39,454,025, 1,185 government and municipal vehicles worth \$10,183,227, 487,970 business vehicles worth \$57,485,239, 8,531 trailers worth \$3,449,017, and other products worth \$483,918,140.

Keep Off Styles

Washington.—Congressmen have plenty of warning not to interfere with the matter of styles. Opposing a bill for copyrights on dress designs, Ida M. Tarbell and others said women would dress the way they liked and they had a divine right to express their beauty in their own way.

To Sell Royal Coach

New York.—A coach represented as the one in which Wilhelm Hohenzollern drove to have put on him the crown that the war knocked off is to be sold at auction for an unpaid bill.

Best Orchid

Philadelphia.—Of 40,000 orchids valued at more than \$1,000,000 British Queen is the best. It won the prize of the American Orchid society.

ONLY A ROSE—

By DOUGLAS MALLOCH

ONLY a song we sing you, As some would fling a rose, Perhaps more hard to sing you Than sometimes you suppose, Than you suppose, it sometimes seems, Who think that songs are only dreams; And what's a rose but just a flow'r To wilt, to wither, in an hour?

Only a smile men smile you, Only a look of cheer, A moment to beguile you When some dark day is here— Only a woman's pray'r at times, A simple thing like roses, rimes, And smiles, and other things that men And women give us now and then.

And yet perhaps too lightly You hold the singer's song, For candles flicker nightly And dreams are dreamed for long Before a dream becomes a thing For men to other men to fling, To fling, as sometimes you suppose, As lightly as they fling a rose.

And long the plant was 'tended, And long the ground was tilled, And mornings came, and ended, Before the calyx filled, Before the bud became the rose That from a garden someone throws, Before the bud became a flow'r To wear upon your breast an hour.

And is it not the raining Alone the rainbow brings? By losing, not by gaining, We learn the worth of things, And men who smile have learned to smile Because they wept some other while, Men give their smiles to men, indeed, Because, God knows, they know the need.

And what of woman's praying? She prays because she feels; She has her loved ones straying, Her graves by which she kneels, Perhaps too lightly we esteem The garden's rose, the poet's dream, The comrade's smile, the woman's pray'r?— Ah, if men knew, how men would care. (© by McClure Newspaper Syndicate.)

Mother's Cook Book

Do you covet learning's prize? Climb for heights and take it; In ourselves our future lies— Life is what we make it.

A VARIETY OF DISHES

AN INEXPENSIVE and simple dessert which will be well liked by all, is:

Fruit Dessert.

Take one-fourth of a pound of dried apricots, soak and cook, sweeten while hot and mash through a sieve; when cold add three ripe bananas which have been put through a coarse puree sieve, mix well and serve with flavored whipped cream. Heap the puree in sherbet glasses and top with the whipped cream.

Rice Drop Cakes.

Add one-half cupful of milk to two cupfuls of cooked rice and one well-beaten egg; add two tablespoonfuls of flour, one-half teaspoonful of salt, a teaspoonful of baking powder and one-half cupful of shredded coconut, un-sweetened. Mix and drop on a well-greased griddle and cook until brown. Serve with maple syrup.

Cheese Soup

To a quart of hot milk add a slice of onion and cook fifteen minutes. Remove the onion and add two tablespoonfuls each of flour and butter cooked together. Add to the soup and cook five minutes. Add a cupful of rich grated cheese and when it is dissolved serve at once.

Nellie Maxwell
(© 1925, Western Newspaper Union.)

As Told by Irvin S. Cobb

ALMOST STARTLING

IN THE days when Frank A. Munsey was in active editorial charge of his various weekly and monthly publications he had a serious-minded office boy who took things literally—and with due deliberation.

One day Congressman Thomas B. Reed, then speaker of the house, came from Washington to New York and dropped into the office of Munsey's Magazine to see its proprietor. Between the famous publisher and the famous statesman a close bond of friendship existed—they were both sons of Maine, for one thing, and they had been intimate associates for years.

The bulky Reed stepped into the anteroom and without giving his name said he wished to see Mr. Munsey. The office boy told him Mr. Munsey was in conference and invited the caller to have a seat. More than half an hour passed before the caller was admitted to the inner room. Then he told Mr. Munsey how he had been kept waiting.

Indignantly the latter issued forth and descended upon the youthful keeper of the outer gates.

"Do you know who that gentleman is that you've kept dawdling about here?" he demanded. "That is the Hon. Thomas B. Reed of Maine."

"I'm sorry, Mr. Munsey," said the youth. "I thought all the time it was Dr. John Hall."

"But don't you know that Doctor Hall is dead?" said Mr. Munsey.

"Yes, sir," said Truthful James, "that made it seem rather strange to me that he should be calling."

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Early American Diplomats.
The first representative of the United States to the papal court at Rome was Jacob L. Martin of South Carolina, who died in office, 1848. He was succeeded by John B. Stockton and Rufus King, who served until 1868, when representation at the Vatican was discontinued.

London's Zero Hour.
London's most tranquil moment in the week is at 3 o'clock on a Sunday morning. Any other morning hundreds of newspaper trucks are dashing about, market carts are hurrying through the streets and the city is otherwise very busy.

Sugar in Early Days.
Sugar was found in the East Indies by Nearchus, admiral of Alexander the Great, in the year 325 B. C. An eastern people in alliance with Pompey the Great, the famous Roman general, used the juice of sugarcane as a common beverage.

Death Claimed Young Poet.
Luiz Junqueira Freire, the celebrated Brazilian poet, died at the early age of twenty-three years, in 1855. He was a novice of the Carmelites and wrote his best poems in the cloister of his order.

Says the Deacon.
You needn't climb to the hilltop to reach heaven, for the valley is just as close to it—only, no one is in a hurry to investigate.—Atlanta Constitution.

One Who Came Back.
Muggins—"History records mighty few instances of men who were able to stage a comeback." Buggins—"The Prodigal Son being a striking example though."

In Better Taste.
A Boston barber now serves tea to his patrons. This is a pleasant change from the custom of giving them a mouthful of lather.—Boston Transcript.

Cause of Most Troubles.
Most of the troubles we have are over things we can't have.—Boston Transcript.

Sometimes a girl's ideal is shattered, but often he is just plain broke.—Florence Herald.

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Praise of Enthusiasm.
Nothing is so contagious as enthusiasm. It is the real allegory of the tale to Orpheus. It moves stones, it charms brutes. Enthusiasm is the genius of sincerity, and truth accomplishes no victories without it.—Bulwer.

He Does a Flip.
One of the best examples of power from a seemingly slight diet is the Oriental coolie who subsists on several handfuls of rice per day.—Brooklyn Central (Y. M. C. A.).

Ancient Order Survives.
The Order of St. John, which dates from the year 1048, is the sole survivor of the many orders of knighthood formed in connection with the Crusades.

And Other Names.
The person who walked across the street was once called a pedestrian. Now, unless he can hit a livelier gait, he is commonly called "the deceased."—Motor Rays.

But Consider His Job.
There are some inequalities in this world. A President of the United States can work a year and not earn enough to buy a seat on the New York stock exchange.—Hartford Courant.

Girls' Queer Ways.
"Girls haven't got much sense," remarked little Walter at Christmas time. "Just as soon as they get stockings big enough to hold lots of things they stop hanging them up."

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