

Research will mean Victory!

1953
POLIO
FACTS

GAMMA GLOBULIN—obtained from human blood—protects for a few weeks, but it is in very short supply.

When POLIO is around, follow these PRECAUTIONS:

1. Keep close
2. Don't get fatigued
3. Avoid new groups
4. Don't get chilled

A VACCINE is not ready for 1953, but there is hope for the future.

Polio Experiments Add Gamma Globulin To Everyday Words

(Editor's note: Following is the first in a series of articles prepared by the National Foundation for Infantile Paralysis concerning gamma globulin as a temporary preventive and the foundation's steps toward control of polio.)

Chaucer, perhaps more than any other man, can be called the architect of the English language. History had to wait three centuries for a word-craftsman of similar stature to appear. His name was William Shakespeare. Now, 300 years after Shakespeare, our vocabulary is being expanded and enriched again by a bewildering array of new additions. This time, it is from the laboratories of the world that the newcomers flow. And like Chaucer and Shakespeare, scientists draw liberally upon Latin and Greek for the linguistic foundations of their words.

Such a word is gamma globulin. This tongue twister was hurled into common conversational currency by newspaper headlines. Field trials of this part of human blood as a temporary protection against paralytic polio were being conducted in Utah, Texas and Iowa, financed by the March of Dimes. The press of the nation duly reported their progress. When the tests did indeed show that GG (leave it to Americans to shorten tongue twisters) gave temporary protection against polio paralysis, an addition had been made to our family of everyday words.

Gamma Means Three

Gamma, of course, is Greek and means "three." Globulin, to confuse the issue, is based upon the Latin "globus," meaning a sphere, a small globe. This "third globe," then, is one of three globulins, the others being termed "alpha" and "beta," which remain after the albumin in human blood has been removed.

This separation usually is accomplished through precipitation of whole blood in ethyl alcohol and the use of a centrifuge. (The farmer's cream separator also uses the centrifugal principle to part cream from milk.)

The albumin thus obtained serves as a substitute for life-saving whole plasma. Globulins alpha and beta, though they contain some antibodies, are worthless for the polio purpose. It is the gamma fraction which has proven effective against polio.

System's Watchdog

All of which brings up the next question—What is an antibody?

An antibody (from the Greek "anti," against, and the Anglo-Saxon "bodig") is the system's invisible watchdog. Not only do an army of these guardians lie in wait for any invading bacteria or virus, others actually spring into being as soon as the invader makes his appearance.

Since neither an antibody nor an attacking polio virus has ever been seen by a human being, scientists know of their existence only by the effects they produce. A nerve cell destroyed by polio is the calling card of either Brunhilde, Leon or Lansing, the

three polio viruses. The whole, uncrippled body of a child who has been exposed to polio is evidence that the virus was inactivated before it could cripple or kill.

Scientists believe that antibodies do not actually kill virus. In the case of polio, it seems that the antibodies hold the virus prisoner and thus incapable of doing damage.

Not Final Answer

That, incidentally, is why workers supported by grants from the National Foundation for Infantile Paralysis know that gamma globulin is not the final answer to polio. The injection of GG does not induce the body to manufacture its own antibodies. When, after a few weeks, all the injected antibodies have been discharged from the system, the person may be again defenseless against polio.

Thus more March of Dimes dollars must be invested in the testing and perfection of a safe, practical and reasonably permanent vaccine. It is hoped that vaccine will prod the human system into producing its own antibodies which should give long-lasting immunity.

Next: What is gamma globulin?

WAC Joins Guards In Field Problems

Camp Riley, Minn. — (U.P.) — A Milwaukee WAC donned a fatigues uniform today and joined 8,200 fellow National Guardsmen working field problems during a two week encampment here.

The WAC, Warrant Officer Olga Dornblatt, had finally won a four year argument with Army brass over the right to train with other members of her reserve unit.

Miss Dornblatt spent three years in North Africa and Italy as the only woman in a wartime OSS unit.

She was given quarters with four nurses at the camp's service club.

Lack of Equipment Blamed in Drownings

Seattle — (U.P.) — The Coast Guard said today five persons drowned in the Pacific Northwest during the past two weeks because of lack of life preserving equipment.

Lack of life preservers was blamed for the deaths of three persons lost from a skiff off the Oregon coast, the drowning of one passenger of a capsized boat on Lake Couer D'Alene, and the death of a boy who fell from a boat near Reedsport, Ore.

MAYBE HE DIDN'T SEE IT

Adrain, Mich. — (U.P.) — John C. Bisorek, 19, knocked himself out over a girl. The Detroit youth was playing tag on a beach yesterday when the girl ducked under a life guard platform. Bisorek chased after her but forgot to duck. He was carried away unconscious and treated at a hospital for a concussion.

Kindness of France's Friend May Result in Trouble in Morocco

United Press Foreign News Editor Phil Newman is on vacation. For the next four weeks his foreign affairs column will be written by Walter G. Rundle of the United Press foreign news staff.

By **WALTER G. RUNDLE**
United Press Correspondent

The French in Morocco are threatened with the fate of the man whose friends killed him with kindness.

Their greatest friend in that troubled North African protectorate is 75-year-old Thami El Mezouari El Glaoui, a sunburned warrior, expert horseman Pasha of Marrakech and ruler of 2,000,000 fierce Berber tribesmen.

France's most influential enemy for years has been Sidi Mohammed Ben Youssef, lineal descendant of the prophet Mohammed, collaborator with the anti-French Istiqlal party and Unwanted Sultan.

El Glaoui, motivated by friendship for France and a number of more personal reasons including an abiding and deep-rooted hatred for the Sultan, has organized the Berber Pashas and Ciads in a determined drive to topple him from his scented, silken throne.

That act of friendship is not the unvarnished favor to France it would appear to be on the surface. It was taken over the objections of and against the advice of the French government which is bound by treaty to support the Sultan's power.

The French fear that El Glaoui has kicked up a row which will explode into bloody civil war

and could spill over to set the Arab world aflame. They fear that power in his hands might open the way for harsh measures against the Arab population.

Whatever the future developments, El Glaoui has become a power to contend with.

He wields his power from a glittering palace that might have been taken from the pages of the Arabian Nights. Located on the rim of the Sahara, it is guarded by six-foot, ebony-black slaves armed with two-foot-jewelled daggers and adorned with bracelets of solid gold.

The source of his power is the nomadic tribesmen he commands; hard-riding, hard-fighting blue-veiled Chleuhs who never expose their faces before women and whose arms are long-barreled rifles, swords and "crusader's" shields. Their weathered visages are stained a permanent blue by their veils.

Old West Sagas Said Best for Enjoyment

Kingston, R. I. — (U.P.) — A motion picture study group at University of Rhode Island has decided that for "pure enjoyment" nothing beats the celluloid sagas of the Old West.

The annual summer study group, college professors, student and area residents, took a long serious look at the doings of bad men on the screen since the 12-minute classic "The Great Train Robbery," set the pattern of the western movie 50 years ago.

"Most of the group said the series was the most enjoyable so far," Chester A. Berry, director of the program since it started in 1947, said today. "Very surprising result."

Nothing in a Name, Autoist Discovers

Greenville, S. C. — (U.P.) — Jack McCall of Greenville will tell you there's nothing in a name.

McCall parked his car on a street during a recent heat wave. When he returned some time later, the heat had cracked a window in the vehicle.

The car was parked on Frost street.

Guardsmen Alerted In Indiana Strike

Indianapolis — (U.P.) — Indiana National Guard troops were alerted today to move into the 28-day-old Indiana Bell Telephone strike and help state police prevent violence.

Gov. George N. Craig alerted the guardsmen for duty as state troopers stood guard at the reopened Bell exchange in Clinton.

Some officials of the striking CIO Communications workers took a dim view of Craig's interference in the labor dispute. One said the governor was "stumbling in the dark." Another said Indiana is becoming a "police state."

Rep. Coon To Study Spending in Europe

Portland — (U.P.) — Rep. Sam Coon said today that he will be among a group that will make a congressional study of United States spending in foreign countries while on a tour of Europe and the Near East.

He said he would make the trip with two other congressmen. They will leave Washington September 17.

Rep. Coon said the party will investigate the use of U.S. funds for State Department installations and also observe the operation of the Voice of America.

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What Makes a Business Succeed?

Let's have a lesson in elementary economics, shall we? A business succeeds when it delivers the good and gets paid for it. A business that doesn't deliver and gets paid, fails. After a while it stops getting orders, and there's nothing to deliver. A business that delivers and doesn't get paid, fails. Pretty soon it can't afford to pay for the luxury of staying in business. A business starts as a risk: the proprietor's capital, his faith in his ability to make and hold customers. If, having risked his money to offer a service, he secures customers and doesn't keep them, he fails. The only way you can stay in business is to keep on rendering a service for which people will come back. If we didn't keep our customers, we'd have had to close our doors. Let me make another point. When a business becomes established, this has happened only because over the years enough people have been won to that business to continue patronizing it. You can have confidence in such an enterprise. That is why you can have confidence in our cleaning. For years — while other cleaners have come and gone — we have stayed right here, growing a little every year. Satisfied customers coming back and coming back—and sending their friends to us. The best advice I know of to give you about taking care of your clothes is to **BRING THEM TO—**

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