

Limited Protection Against Paralysis By Gamma Globulin

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

Field trials involving 54,772 children and supported by the National Foundation for Infantile Paralysis have proved that

gamma globulin, a fraction of adult human blood, provides limited protection against the paralytic effects of polio. Research scientists have shown that this temporary and passive immunity is due to the presence of polio antibodies in gamma globulin.

Gamma Globulin is not a vaccine. In contrast, a vaccine should provide longer-lasting protection against the disease.

Temporary Protection

An injection of gamma globulin provides an individual only with temporary protection against the paralytic effects of polio. This protection is created by the antibodies in blood contributed by someone else. This is passive and fleeting immunity. A vaccine, on the other hand, would induce the body to produce its own antibodies. This the research scientists define as an "active immunity."

While the protection quality of gamma globulin is of short duration—about five weeks—a protective vaccine would be expected to endure for a much longer time.

Many Have Immunity

Research scientists estimate that about 80 per cent of the population of the United States above the age of 18, has acquired active immunity against one or more types of polio by having contracted mild, frequently imperceptible cases of the disease earlier in life. This indicates that the great majority of adults, even though they may not know that they ever were infected by polio, possess protective antibodies. It also is known that during their first six months of life babies possess the same number of polio antibodies their mothers have. This inherited immunity disappears during the child's first year.

Infection by one type of polio virus does not induce immunity to either of the other two. This has been demonstrated by the fact that there are on record a number of cases in which patients have contracted polio twice. Theoretically it is possible for patients to suffer the disease three times, but no such cases have been recorded.

Not Final Answer

Thus, research scientists are convinced that gamma globulin is not a practical or final answer to the problem of poliomyelitis. At best, it is regarded as a temporary stopgap during the epidemic season. This summer the limited amount of gamma globulin will be distributed free of charge to state health officers by the Office of Defense mobilization, a federal agency. All allocations of the blood fraction will be made by this agency of the government.

Next: First steps toward polio control.



TAKE OVER—The National Radio Station in Tehran, Iran, from which first news of successful revolt against Premier Mossadegh was broadcast after his seizure by the shah's followers. It is shown being guarded by troops during previous uprising.

Air Force Officers Tell of Tortures At Hands of Reds

Freedom Village, Korea—(U.P.) Communists beat and tortured American Air Force officers to force them to confess they waged germ warfare in North Korea, it was revealed here today.

Others were murdered.

The veil of secrecy surrounding mysterious camp No. 2 where all Air Force officers are being held was ripped apart today by three enlisted men who were sent to a hard labor camp nearby and saw brutal acts committed by the Reds.

Chained To Post

They said one Air Force officer taken to Manchuria for "questioning" was returned to North Korea and, because he would not confess, left chained to a post in the broiling summer sun until he died.

Another Air Force officer was chained like a dog in a squatting position against a stone wall in efforts to make him confess to the germ warfare charges and thus support Red lies.

The three enlisted men who brought back the disgusting tale were Cpl. David E. Fortune, 21, Pickens, S.C.; Cpl. Ivin Edwards, 22, Knoxville, Ill.; and Cpl. William J. Caprin, Fulton, N. Y.

Father Upsets Tradition Of German School Decision

Bonn, Germany — (U.P.) — A Hamburg father has upset decades of German tradition by which teachers instead of parents decided which children were likely to attend a university.

Heinrich Bisping, a middle-class white collar worker, revolted a year ago when the Hamburg school authorities decided that his 11-year old son, Toni, would have to attend the so-called "technical" branch of high school which, for almost all of its students, is the end of their formal education.

Bisping brought suit against the city school authorities, demanding his son be permitted to study at the so-called "scholar" branch of high school, which prepares its students for university study.

Twice, Bisping has won his suit, but each time the school authorities have blocked him by appealing to a higher court. At the moment, Toni still attends the "technical" school.

Case Pending

It may be two years before the next higher court to which the school authorities have now appealed is even established. They have appealed to the federal administrative court, to

which no judges have yet been appointed.

Under the traditional German school system, children go to the so-called "people's school," comparable to the American grade school, from the age of six to 10. At the end of the first four years, each child is tested. Based on the results, the teachers decide whether the child shall go to the "technical" or "scholar" branches of high school, which train children for six years.

The first time Toni was tested the teachers decided he was "scholar" material. But the second group that tested him decided he wasn't smart enough for that branch.

A lot of German parents have been disappointed when their children were separated by edict from the "scholars." Bisping is the first one ever to do something about it. The choice of a school is of such importance to the development of a child's personality, he said, that only the parents can take the final decision.

Conant's Remarks

The courts said he was right, provided the prospective student was not so lacking in intelligence that he would delay the progress of his classmates in the "scholar" school.

Bisping is not alone in protesting the age-old system of selection for universities. A number of thoughtful people are beginning to believe that this system is, in fact, depriving Germany of potentially great minds.

U. S. High Commissioner James B. Conant, former President of Harvard university, raised the problem recently while addressing a scientific group in Berlin. Conant, himself a renowned physicist, noted that there seems to be no young generation of German scientists coming along to replace the old-timers. Conant blamed it on the selection system.

First Test in Tenth Year

"In Europe and Britain," he said, "there is in general a tradition by which the first test of talent takes place in the tenth year of life. At this age, the decision as to whether a child shall attend a school to prepare him for a university is made. Thus, in the tenth year of life, European children are more or less divided into two groups."

In the United States, Conant continued, this decision is not made until around the 18th year of life.

He much preferred the American system, said Conant because the simple fact that a child is intelligent does not mean that he also has the character, the will and ability to work in order to become a successful scientist, lawyer or diplomat.

Moisture League Sets Rain-Making Discussion

Discussion of the possibilities of conducting a rain-making program during the dry months of 1954 will be considered at a meeting of the Moisture Conservation League next week.

The meeting, to be held at 7:30 p.m. Wednesday, Aug. 26, will be in Room 212 of the Leverette building. Members with ideas on the proposal are asked to attend the discussion meeting.

FFA Members Invest Total of \$1,748,029

Salem—(U.P.)—The 3609 active members of the 81 Future Farmers of America chapters in Oregon last year have a total investment in farming of \$1,748,029.17, Ralph L. Morgan, state supervisor of vocational agricultural education, said today.

Morgan, in his annual report to the U. S. office of education, said this makes an investment of \$484.35 for each high school boy enrolled in vocational agriculture.

Total labor income from various projects amounted to \$891,631 or \$247 per boy.

SP's 1952 Tax Bill \$6,368 in Medford, \$11,393 in County

Southern Pacific company paid a \$6,368 tax bill on property in Medford for the year 1952, according to R. H. Holmes, district freight and passenger agent for the railroad here. Total taxes paid by SP within Jackson County came to \$110,393.

Southern Pacific's total tax payments in 1952 amounted to \$85,669,925, Holmes said. This was more than three times the amount of dividends paid to Southern Pacific stockholders during the year. It does not include the taxes the railroad is required to collect for the federal government on ticket purchases and freight charges.

Federal taxes amounted to 75 per cent of the railroad's tax bill.

Federal taxes amounted to 75 per cent of the railroad's tax bill, Holmes said. Almost \$45,000,000 went for federal income tax and over \$18,000,000 for railroad retirement tax. Unemployment insurance tax and other federal taxes amounted to almost 2,000,000, bringing the

federal tax total to \$84,516,512. State, county, city and miscellaneous taxes paid by SP amounted to over \$21,000,000, Holmes added.

On the basis of these figures it has been determined that the railroad's 1952 tax bill built up at the rate of \$2.72 a second, 24 hours a day throughout the year.

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State Moose Leader Due Here Saturday

Elvin C. Goodman, president of the Oregon State Moose association, will be in Medford Saturday, Aug. 22, to speak to the Members and guests of the Loyal Order of Moose, Medford Lodge 178.

Goodman is a charter member of the Seaside Moose lodge and a holder of the Fellowship degree, which is the second highest honor given by the Loyal Order of Moose.

He will speak on the civic affairs of the Moose Lodge in conjunction with community work and welfare. The talk is part of a booster program being put on by the local lodge in order to put their fall civic affairs program in motion.

The meeting will be at 8 p.m. at 11 Newtown st., in the Moose hall.

SOME CUBE!

Memphis, Tenn. — (U.P.) — Six year old Pat Holt saw the movie "Titanic" and reported to her grandmother that "the ship hit an ice cube and sank."

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