

General Ishii Shiro: His Legacy is that of Genius and Madman

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ABSTRACT

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This paper covers the development of the chemical weapons division founded by Ishii Shiro, and discusses the horrible experimentation that was done by the Japanese. These experiments have been a source of controversy. The Chinese feel the Japanese should acknowledge these as war crimes. When the Japanese left Manchuria, they left the world's largest chemical waste dump behind, and even to this day the government refuses to admit the actions of Unit 731. The information on biological warfare that the Japanese discovered during the experimentation in China later was used as a negotiation tool with the United States to secure their freedom and gain immunity from prosecution for General Ishii Shiro and his men. This paper will show the evolution of Japanese biological warfare during WWII using research obtained from a wide range of documents, books, newspapers, and journal articles, as well as documents found at the National Archives.

ACKNOWLEDGEMENTS

For My Wife, Family And

Especially My Father

To the Chinese People and POWS Who Suffered

At the Hands of General Ishii Shiro

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CHAPTER 1

BACKGROUND TO THE HISTORY OF JAPANESE MILITARY MEDICINE

During the course of the Sino-Japanese War from 1937-1945, the Japanese developed a biological and chemical weapons division of the army commanded by Ishii Shiro. The amount of suffering the Japanese army inflicted upon the Chinese population as well as prisoners of war has been the subject of controversy since the end of World War II. The Chinese government has asked for restitution to the victims' families who suffered horrible experimentation at the hands of their Japanese captors, while, until recently, the Japanese government denied these actions had occurred. The commanders of Japanese chemical weapons Unit 731 committed terrible war crimes yet in Japan they have shrines built in honor of their war heroes, which includes some of the men of Unit 731, that are visited yearly by high ranking Japanese officials.

The subject of the Japanese chemical weapons division is one that has been ignored by the Western world for decades. Hal Gold's book *Unit 731: Testimony* has been applauded by reviewers as "another shot in the battle to set things right."¹ Gold's book starts with the history of Unit 731 and then provides transcriptions of many of the testimonies given during an exhibition that toured Japan in 1993,

¹ The Rev. 2001, *Unit 731: Testimony review* [on-line]. The Book Barn; available from <http://www.jp41.dial.pipex.com/R230.HTML> (accessed 28 October 2004).

based on the activities of Unit 731.² The exhibition has opened the eyes of the Japanese people who attended the traveling history of Unit 731's activities in Manchuria. The exhibition has helped to allow former members of Japan's biological units to tell their story without public persecution. The testimonials in Gold's book prove that Japan is changing and the disclosure of these sixty-year-old secrets is a promising beginning. This exhibit helped to break the "code of silence", we can be grateful that the grave did not get all the truth.³

During the occupation of Manchuria and the years that have followed, information was scarce. One reason is since the crimes were committed in China, the communist government has not been willing to discuss the problem, and the Chinese prefer to handle their problems without foreign intervention. As the West uncovers the carnage that occurred in China, more pressure will be applied on Japan to acknowledge its responsibility in the thousands of deaths caused by Japanese biological and chemical weapons.

Using disease in wartime is nothing new. The Romans dumped infected animal carcasses in enemy drinking wells. In the fourteenth century, the Tartars tossed plague infested corpses over the walls of Genoa. The Mongols were also known to throw infected animals into towns under siege to cause outbreaks of disease. British and American soldiers gave American Indians gifts of blankets infected with smallpox. Throughout all the military history of the world, disease

²The Rev. 2001, *Unit 731 Testimony* review.

³ Hal Gold, *Unit 731 Testimony*, (Tokyo: Yen Books, 1996), 12.

has taken a greater toll on fighting men than actual combat and, for this reason, the Japanese started to study the effects that diseases had upon their soldiers beginning with the Russo-Japanese War. Japan had ratified the Hague Convention of 1899, which banned chemical weapons. The Japanese did not use chemical weapons during the First World War, when the Europeans and Americans were using poison gases on a regular basis. The facts show that the Japanese took great care of prisoners of war until after the First World War. Additionally, in the field of civilian medicine, the Japanese had established themselves as a leading country in the advancement of disease research and treatment, drug development, and patient care. In all Japanese wars prior to the Russo-Japanese War, the loss of men due to the silent enemy of disease was a common occurrence, but this was now seen as unacceptable to Japan. The Japanese resolved to learn from their mistake, the lack of preparation to handle the sick was apparent during the Russo-Japanese War. The recent war with China 1894-95, had shown the Japanese that casualties due to disease could be a determining factor in future conflicts; if Japan avoided the same problems in upcoming battles, they might be more assured of victory.

The first experiments were on preventing the Japanese soldiers from contracting battlefield diseases. By the beginning of the twentieth century, Japanese scientists were becoming famous throughout the world for their advances in the field of preventative medicine. “The Japanese scientists had discovered the cause of beri-beri and dysentery; one strain of bacteria, the Shiga bacillus, even

carries the name of its Japanese discoverer, Dr. Shiga Kiyoshi.”⁴ Due to their hard and tireless work, the Japanese scientists were characterized as fanatics in the field of military medicine; its mockery by the Western world showed their lack of understanding of the importance of solving the battlefield disease problem. The Japanese dedication to their goals caused Japan to become the leader in the field of biological warfare. The military had the support of the Japanese government in developing this new division of the Army, but did Hirohito know about the actions of Ishii Shiro.

The question about Hirohito’s involvement in the military during World War II has been a topic of debate since the end of the war. During the fourth year of his regency, September 1925, Hirohito had a small, well-equipped biological laboratory established within the Akasaka Palace. Three years later, during the second year of his reign, he built, within the Fukiage Gardens, the Imperial Biological Research Institute,⁵ indicating that the Emperor had an interest in science and was willing to make a commitment to what his doctors were working on at the time.

During the Russo-Japanese War, an American military doctor, Louis Livingston Seaman, was granted the privilege of observing the Japanese on the battlefield and in their base hospitals. After the war, Livingston published a book on his time spent in Manchuria titled *The Real Triumph of Japan: The Conquest of*

⁴ Gold, *Unit 731 Testimony*, 17.

⁵ Herbert P. Bix, *Hirohito and the Making of Modern Japan*, (New York: Harper Collins Publishers Inc. 2000), 60.

*the Silent Foe.*⁶ In the Russo-Japanese war, the Japanese soldiers suffered from scurvy. The percentage of men infected by the disease and other health problems in July was eight percent and grew steadily until in November 1904; twenty-two percent of their army was affected by disease.⁷ The Japanese were suffering from a shortage of supplies and hospital space for the sick. By the end of the siege of Port Arthur, the Japanese had transformed over thirty buildings into hospitals, but they were ill equipped to serve as medical facilities. This venture into modern warfare was the driving force for Japan to develop new ways of treating soldiers for wartime diseases.⁸

The Japanese developed a portable water testing kit; this was in response to the Russian soldiers' poisoning the wells in Manchuria with deadly germs, such as typhoid, dysentery, and cholera, as they retreated. The Japanese developed the Creosote pill as a way to deal with the soldiers' ingesting bacteria; this was formerly used as a treatment for bronchial problems. Seaman wrote in his report:

The American Army can never hope to emulate the Japanese until the time shall have arrived when, through the reorganization of its Medical Department, the surgeon shall have executive instead of merely advisory privileges. In the matters of hygiene and sanitation in barrack and field; and until the line officer shall display the same courtesy and respect to the medical expert as does his Japanese brother-in-arms.⁹

⁶ Gold, *Unit 731 Testimony*, 18.

⁷ J.N. Westwood, *Russia Against Japan, 1904-05: A New Look at the Russo-Japanese War*, (Albany, New York: State University of New York Press, 1986), 103.

⁸ Westwood, *Russia Against Japan*, 103.

⁹ Gold, *Unit 731 Testimony*, 21.

Japan passed the British and Americans in their knowledge of battlefield preventative medicine and soon became the world authority in this field.

During World War II, however, the goals shifted from the defensive to an offensive position for the use of chemical research. Ishii Shiro pressed for the development of a military branch whose activities would center around weapons based on biology. Dr. Al Parmet discusses how important Ishii Shiro was to the development of the Japanese program in his review of Hal Gold's book, *Unit 731: Testimony*. Parmet states Gold

Outlines the development of chemical and biological weapons by the Japanese after World War I, parallel to all the other great powers. What differed in Japan was that it was the products of one man's will, Col. (Dr.) Ishii Shiro. What also differed was the willingness to actually use the weapons and experiment on human beings. Only Japan would actually deploy and use biological weapons in the Second World War.¹⁰

The Japanese had become smitten with the use of biological weapons after the ban imposed by the Geneva Protocol of 1925. The Geneva Protocol was in response to the horrific suffering by soldiers during World War I, suffering caused by chemical weapons. The banning of such weapons was to help end the possibility of another such terrible war. Ishii Shiro was able to convince the Japanese that these weapons must be effective if they had not been banned. The Western world was well aware of the racial ideas of the Nazis in Germany; yet, it was largely uneducated on the racism that occurred in the Pacific. The Japanese had a slogan:

¹⁰ Al Parmet, 1996, *Unit 731 Testimony review* [on-line]. Book Report; available from http://aeromedical.org/Books/Book_Reports/Unit_731_testimony.html (accessed 28 October 2004).

Asia for the Asians. The Japanese wanted to remove all European colonies in Asia; it was their opinion that all white people in Asia needed to be removed. During World War II, the Japanese carried out war crimes, as well as cruelty to their captives and mass murder. “The Japanese were barbaric when dealing with the people they felt were inferior or expendable.”¹¹ The Japanese felt they were destined to rule over the people of Asia; Japan had developed a system in which it was the nucleus of the Pacific area. The Japanese called themselves the Yamato Race, their theory of racial superiority was comprised of three levels of beings in Asia: “First the master race which was Japan, second was the kindred races such as China and Korea, and third was the guest races that were made up of the island people like the Samoans. All the non-Japanese races were seen as lower life forms and should be subservient to Japan.”¹²

Ishii and his subordinates followed these doctrines. Given their perspective, they engaged freely and enthusiastically in biological warfare, and human experiments because they knew their victims were inferior beings that were being sacrificed for a higher cause. The superior Japanese race would benefit immeasurably from the sacrifices of people who were, in general, of little value to mankind. The world would be a better place in which to live without so many of the sub humans wasting the planet’s limited resources.¹³

While the German acts of cruelty against the Jews in Europe have been well documented by historians, we may never truly realize the degree of brutality reached by the Japanese in Asia. The Japanese have never publicly acknowledged

¹¹ Gold, *Unit 731 Testimony*, 9.

¹² John W. Dower, *War Without Mercy: Race and Power in the Pacific War*, (New York: Pantheon Books, 1986), 8.

¹³ Sheldon H. Harris, *Factories of Death: Japanese Biological Warfare, 1932-45, And the American Cover-up*, (New York: Routledge, 1994), 35.

their participation in these gruesome crimes, and the Western world has let them deny the truth. Although the Allies forced Germany to accept responsibility for the attacks of the Nazis against the Jewish people, disclosure was not forced on the Japanese. As we are starting to uncover these Japanese war crimes, the opinions of the Western world are becoming those of shock and disbelief over the events that occurred in Asia. Eventually, Asians who suffered during the Japanese occupation will be able to feel vindicated when history acknowledges their ordeal and when Japan is punished for these war crimes.

CHAPTER 2

ISHII SHIRO



Figure 1. Ishii Shiro Commander of Unit 731, founder of Japanese Biological Warfare Division of the Army. Available at www.aiipowmia.com/731/731coveat.html. Accessed 15 March 2005.

Ishii Shiro was born June 25, 1892, to a wealthy family in the village of Chiyoda Mura, a farming village in the Kamo district, Chibe prefecture, southeast of Tokyo. His family was quite wealthy and was the community's largest landowner. Ishii's relatives exercised feudal dominance over the

local people. His childhood and early teens are a mystery; nevertheless, he grew to be a thin man with glasses and had a scholarly look that contradicted his powerful personality. He was the fourth son of an established family; it is assumed he attended primary and secondary school.

He was an extremely proficient student that was labeled a potential genius; he was gifted with a photographic memory. Ishii was extremely loyal to his country and the Emperor, at an early age he was determined to join the military. He stood six feet tall, a giant among average Japanese men, and was a well-kept man with a booming voice. His love of medicine led him to desire a career as a medical doctor in the Imperial Army of Japan. Ishii Shiro was admitted to the Medical Department of Kyoto Imperial University in April 1916.¹⁴

Because of his ambition and the method of betrayal he used to impress his superiors, his fellow students despised Ishii Shiro. Ishii would work in the lab after

¹⁴ Harris, *Factories of Death*, 15.

the other students had cleaned up and would use their equipment for his experiments; when he was finished, Ishii would neglect to clean up after himself. This led to resentment among his fellow students. At the age of thirty-five, Ishii Shiro received his Ph.D. in microbiology from Kyoto Imperial University. This was one of the top schools in the world, the equal of any Ivy League school in America.

In Kyoto during 1927, Dr. Ishii Shiro had a decisive revelation. He was following his regular routine of looking through stacks of research journals in order to keep up with the latest discoveries in his field. While browsing through a medical journal, he found an article on the Geneva Convention of 1925, which Japan had signed but the Diet had not ratified. The treaty banned the use of biological warfare. The reason Japan had not ratified the treaty is it recognized the potential for this field in modern warfare. It was during his time at Kyoto University that both the Japanese army and navy became impressed with the theoretical concepts of biological warfare drawn up by Ishii Shiro. Ishii had designed this new division thoroughly, every detail was accounted for including the availability of test subject in Manchuria.

Ishii saw prisoners as subhuman and expendable, a view shared by the Japanese military after World War I. One reason Japan refused to ratify the Geneva Convention was that it felt no Japanese soldier would allow himself to be captured; therefore, the code of death before dishonor was placed deep in the Japanese soldiers' minds. Japan was not willing to take the burden of caring for

prisoners of war upon themselves, especially if its own men would not be in the same situation.

The Japanese called the invasion of Manchuria an incident, and since they were not waging war; they did not need to obey international law in the treatment of Chinese prisoners.¹⁵ In 1931, the Japanese soldiers poured across the border from Korea, the Chinese army had superior numbers of men, but due to the speed and tenacity of the Japanese forces, they were soon defeated. This started the Japanese occupation of Manchuria. The area that would be under their control for the next fourteen years. The Japanese forces invaded northeast China claiming Chinese forces had destroyed the railway at Lake Liu near Mukden in southern Manchuria, although this had actually been done by the Japanese themselves to provide a pretext for the invasion.¹⁶ Ishii used this situation to his advantage, pleading with top commanders to create a germ warfare research division. In 1928, Ishii Shiro left Japan for two years, traveling throughout Europe and the United States to see what other countries were doing in the field of biological warfare. He used his discoveries from his travels to convince anyone who opposed his ideas of the need for Japan's national security.

The Japanese program was conducted with the approval of highly placed military and civilian members of the Japanese wartime government. It is apparent that Hirohito knew of the work that Unit 731 was doing in Manchuria. Bix writes

¹⁵Yuki Tanaka, *Hidden Horrors: Japanese War Crimes in World War II*, (Boulder: Westview Press, 1996), 73.

¹⁶ Tanaka, *Hidden Horrors*, 73.

that “detailed directives of the Imperial Headquarters that the Army chief of staff issued to the Kwantung Army command in charge of biological warfare, were as a rule shown to the Emperor; and Army orders of the Army division of the Imperial Headquarters on which such directives were based; were always read by him.”¹⁷ General Ishii Shiro had a virtually no restrictions and had no need or desire to work with others in the Japanese Army Medical Department. He acted as if he had no fear of offending his superiors by his actions. Due to his egocentricities, he wanted to earn all the glory and advancement for himself, and he was not going to share with them.



Figure 2. Japanese using prisoners to field test new gas masks. Available at www.aiipowmia.com/731/731coveat.html. Accessed 15 March 2005.

One of the main supporters of Ishii and his work was Colonel Chikahiko Koizumi, in 1930 a scientist at the Tokyo Army Medical College. During World War I Koizumi had distinguished himself as a military officer, physician, and biochemist. “During World War I,

Japan did not use chemical weapons but it did conduct research into chemical warfare and the design of gas masks beginning in 1915.”¹⁸ Koizumi had led this chemical warfare research beginning in May 1918. Unfortunately, he was

¹⁷ Bix, *Hirohito*, 364.

¹⁸ Daniel Barenblatt, *A Plague upon Humanity, The Secret Genocide of Axis Japan’s Germ Warfare Operation*, (New York: HarperCollins Publishers, 2004), 14.

involved in a laboratory accident that almost killed him when he was caught without a gas mask in a chlorine gas cloud. After his full recovery, he continued his work with a new enthusiasm. He headed up the chemical warfare program from 1918-1922. The Japanese were trying to build a first class navy, and money was in short supply. The problem he faced was the low priority that his superiors placed on chemical weapons at this time.

While at the Tokyo Army Medical College, Koizumi met Ishii Shiro and found him to be an extremely intelligent young man. “[Ishii’s] talents for biomedical research as proved through his published scientific papers, and his drive to make Japan the foremost nation in biological warfare, was the same vision shared by Koizumi.”¹⁹ Koizumi had influential friends that proved to be important in the rise of Ishii within the military, such as Hideki Tojo, future prime minister of Japan. Ishii and Koizumi used these contacts to gather support for their biological warfare project from within the scientific circles of academia and hospital research groups.

“By the mid-1930s, Japan was manufacturing enormous quantities of poison gas bombs, including shells of chlorine, phosgene, and mustard gas. Koizumi was made the Dean of the Tokyo Army Medical College, in 1934 he became the army surgeon general, and in 1936 he was appointed Japan’s minister of health.”²⁰ As Koizumi moved up the ranks, he made sure Ishii Shiro was promoted along with him. Ishii was promoted to the rank of major, then at the age of thirty-seven, Ishii

¹⁹ Barenblatt, *A Plague upon Humanity*, 14.

²⁰ Tanaka, *Hidden Horrors*, 14.

was appointed chair of the newly developed Department of Immunology at Tokyo Army Medical College. Immunology lay at the crossroads of microbiology, pathology, and vaccine research, and, for this reason, it was the perfect discipline for Ishii to study.

Koizumi did not hesitate to grant Ishii the funds he would need to initiate a biological warfare program for the Army. The new appointment as chair of this department gave Ishii the power needed to become the head of the biological warfare unit that he had been requesting the Army to develop. Major Ishii had a full schedule that began with early morning lectures to students. In the afternoon he dealt with administrative matters, “while covertly researching biological warfare in the evening hours in the lab space of the immunology department that had been allotted to him.”²¹ Daniel Barenblatt the author of *A Plague upon Humanity* noted that, “Here Ishii and a small team of scientists and laboratory assistants worked to culture lethal bacteria and to develop chemical poisons.”²² Ishii was studying flea-transmitted bubonic plague, cholera, typhoid, as well as anthrax. These early experiments did not involve human beings; rather, they were for defense against diseases. Ishii’s unit developed vaccines to protect the Japanese soldiers from disease outbreaks. They also felt that they were preparing for a possible attack from an enemy nation. Therefore, they were trying to prevent needless death from a germ warfare attack against Japan.

²¹ Barenblatt, *A Plague upon Humanity*, 16.

²² Barenblatt, *A Plague upon Humanity*, 16.



Figure 3. Prisoner being injected with pathogens from Unit 731 Exhibit. Hal Gold, *Unit of 731 Testimony*, 132.

Hal Gold outlines the development of the chemical and biological weapons by Japan in the World War I and parallels it to the other great powers. The main difference between the Japanese program and the Allies' program, during World War II, was that the

Japanese were willing to use the weapons and to conduct experiments on live human beings. The Allies refused to use human subjects on the grounds that it was not ethical. Gold presents his case with the facts of former Japanese military personnel and victims' testimonies.

Gold's book, *Unit 731: Testimony*, leads the reader to the conclusion that the United States, especially General MacArthur, was aware of the experimentation performed by Unit 731. By handing over documents and test results, the Japanese brokered a deal for immunity from prosecution by the war crimes board. "Among the numerous personal immunities from prosecution that MacArthur and the Allies granted for reasons of national interest were those to General Ishii Shiro and the officers and men of Unit 731 who had been responsible for Japan's biological warfare in China. Access to the experimental data on the killings was considered by the Joint Chiefs of Staff and MacArthur to be more vital than justice."²³

Bix is very critical of the Allies for ignoring the deaths caused by Unit 731 in China. Only thirty people were brought to trial by the Allied war crimes tribunal in

²³ Bix, *Hirohito*, 617.

Yokohama, Japan. Of the thirty, only twenty- three were convicted of various charges; of those, only five were sentenced to death. “The attitude of the Americans changed in 1950 due to the start of the Korean War; the United States lost interest in punishing Japan, an enemy turned ally.”²⁴ In 1950 MacArthur, acting as supreme allied commander for Allied Forces, “reduced most of the sentences, and by 1958, all those convicted were free. None of the death sentences was carried out.”²⁵ Furthermore, Gold implies that information passed on to the United States by Ishii Shiro, the commander of Japanese Unit 731, in a biological attack at Pyongyang during the Korean War in 1950.



Figure 4. Map of Harbin area in Manchuria. Available at Mapquest.com. Accessed 15 March 2005

After the Manchurian Incident in September 1931, the Japanese soon had control of Manchuria. This control of Manchuria would provide research material in the form of people who could be taken off the streets and used as lab rats. The Kenpeitai were the

Japanese elite military police. The Kenpeitai served as a human materials’ procurement branch for Unit 731 and its associated outfits. Ishii used men under the age of forty for the majority of his experiments. Ishii’s operations started out in Harbin with a few hundred men and an annual budget of 200,000-yen with which

²⁴ Thomas Easton, *Japan Admits Dissecting WW II POWs*. The Baltimore Sun: available from <http://aiipowmia.com/731/vivisection.html> (accessed 7 October 2004).

²⁵ Easton, *Japan Admits Dissecting WW II POWs*.

to operate. Harbin was a large multi-ethnic city; besides Chinese, there were Russians, Japanese, Manchu, Mongolians, Jews, as well as a few Western European expatriates gathered on the banks of the Sungari River.

During the summer of 1932, Japanese troops roared into Beiyinghe, a small village in Manchuria. Everyone was ordered to leave the village within three days. Those who refused the order were killed on evacuation day and their homes and belongings were burned. Chinese called the officer in charge of this operation Zhijiang Silang, but he is better known as Ishii Shiro. He was anxious to develop his new idea of warfare that was based on biological weapons. Ishii felt that Manchuria would be the best place to establish his laboratory and create his new modern warfare.

In 1932, Ishii was granted a two-story concrete building to use entirely for laboratory bio-war studies. Ishii called this building the Epidemic Prevention Laboratory. The growth of Ishii's germ weapons research was greatly aided by the renewal of Japan's chemical warfare unit, a holdover from World War I, directed by Koizumi.²⁶ Promotions and endorsements by Ishii's superiors led to his becoming the golden boy of the Japanese scientific and military establishments. Ishii gave frequent lectures to public health officials. In his speech, he describes his approach to germ warfare. "He broke it down into two types of bacteriological warfare research, A and B, A was assault research and B was defense research. Vaccine research is of the B type, and could be done in Japan. Type A could be

²⁶ Barenblatt, *A Plague upon Humanity*, 16.

done abroad.”²⁷ This was the type of biological warfare researched in Manchuria and throughout China.

“The biological warfare carried out by the Japanese during World War II was a case of systematic biological massacre against humanity, the worst in human history.”²⁸ In the years that the Research Units 731, 100, and 516 were active, they carried out biological weapons testing in China for the duration of the Japanese occupation. The definite number of individuals affected by their tests has left an enormous gap between actual history and Japan’s official stance on their crimes. At first, information on Unit 731 could not be found; it is as if the unit did not exist. Still, information on Japan’s use of live human beings as biological test material has been surfacing bit by bit for many years now.²⁹ Several factors have conspired to keep Unit 731’s activities from receiving the attention they deserve. Investigations have been impeded because there were no survivors among the victims of Unit 731; all were eliminated before the end of the war. In addition, the Japanese strategically placed their “water purification” camps in remote areas helping them to conceal their activities. These camps were placed away from urban areas where their privacy could be maintained, for people in the countryside tended to keep to their own business. Then there was the combined order and

²⁷ Barenblatt, *A Plague upon Humanity*, 16.

²⁸ “The Other Holocaust: Nanjing Massacre, Unit 731, Unit 100, Unit 516.” Available from <http://www.skycitygallery.com/japan/japan.html> (accessed 29 February 2004). 2.

²⁹ Gold, *Unit 731 Testimony*, 10.

threat by commanding General Ishii Shiro that former unit members were to “take the secrets to the grave.”³⁰

Furthermore, the camps were located in an area of China that was loyal to the



Figure 5. Map of Yunnan area in Southeast China. Available at Mapquest.com. Accessed 15 March 2005.

Communists. Manchuria and the northern part of China had been a Communist stronghold before the war, and it was the Chinese Communists who resisted the Japanese. Rumors of the atrocities that were occurring in

Manchuria reached the capital, but Chiang Kai Shek chose to ignore them. Chiang felt the Japanese were doing him a service by killing Communist traitors. The more Communists killed by the Japanese, the fewer there would be left to resist his army after the war was over. The Japanese attacked hundreds of heavily populated communities and remote regions with germ bombs. There appears to have been a massive germ war campaign in the Yunnan Province, which was a communist stronghold in China, on the border of Burma.³¹ The Japanese seemed to be killing ethnic minorities in a jungle campaign.

³⁰ Gold, *Unit 731 Testimony*, 9.

³¹ Barenblatt, *A Plague Upon Humanity*, 164

After leaving Harbin, Unit 731 soon found another place to the south, Zhongma Fortress. “The ever-expanding South Manchuria Railway provided a means of transporting equipment and, more importantly, human lab materials.”³² By 1936, Zhongma Fortress was well known among the Chinese, not as a prison, but as a production facility for bacteria and as a death shop. The Chinese said, “The life expectancy of prisoners at the fortress was a maximum of one month.”³³

During World War II, the experiments carried out by the Japanese Unit 731 were of a broad range in which the victims were treated like laboratory animals. Because the human guinea pigs were said to have been spies or enemies of the state, which helped to justify the actions taken by Unit 731. The Japanese were able to dehumanize their victims. Much like the Germans referred to the Jews as vermin or rats, the Japanese called their victims *maruta* or logs. In the crematorium, the bodies were burned as wood. As the smoke filled the countryside, the people must have wondered where all the wood came from in an area that had few trees. This helped the killers deal with their emotions as they are carried out these brutal acts. In their minds, they justified these acts by not thinking of the victims as human beings; therefore, what they were doing was not wrong. Field tests were carried out all over China, including Manchuria with 10,000 to 12,000 human beings exterminated in lab experiments. In 1936, there

³² Gold, *Unit 731 Testimony*, 33.

³³ Gold, *Unit 731 Testimony*, 37.

was an escape from the fortress, although the escapees were recaptured, the Japanese felt the risk of exposure too great and closed Zhongma Fortress.

Ralph Blumenthal of the *New York Times* writes about Frank James, who was a survivor of the Bataan Death March and ended up a prisoner of the Japanese camp Mukden in Manchuria. Mr. James said, “I became a seventy pound living skeleton. They gave us shots, and sprays in the face.”³⁴ Blumenthal discussed James’ duties, “One of his jobs at Mukden was to retrieve for dissection frozen corpses that he was certain were American.”³⁵ Tony Emerson of *Newsweek* published an article about an interview with Dr. Ken Yuasa in the *Washington Times* on September 30, 1994. Dr. Ken Yuasa, in the interview, told how he drilled holes in skulls to collect brain tissue for study. He also talked about how he began bullet removal demonstrations by shooting prisoners in the stomach.³⁶

Walter Middleton was one of 300 prisoners who had been able to walk the five miles from Mukden POW camp to the facility at Ping Fan. He was interviewed in August 2002. Middleton stated: “At the time of the medical team’s visit, none of us had dysentery. They gave us all an injection, which they said was vitamin shots, and within 72 hours, all of us had dysentery. Most of those who

³⁴ Ralph Blumenthal with Judith Miller, “Japan Rebuffs Request for Information About its Germ-Warfare,” *The New York Times*, 4 March 1999. P. A10.

³⁵ Blumenthal, “Japan Rebuffs Request,” *New York Times*, 4 March 1999. P. A10.

³⁶ Emerson, Tony. “Surgeon Tries to Unmask Japan’s Medical Horrors: Government Still Silent About Secret World War II Unit,” *Washington Times*, 30 September 1994.

died were in this group.” Middleton said most of them died of pneumonia, having been weakened from the dysentery.³⁷

No medical visit to prisoners occurred during daylight hours. Some of the most frightening accounts from Mukden are from POWs who were startled at night by Japanese medical staff with whom they were not familiar. The men had a real fear that the Japanese would do something to them in their sleep. Wilson Bridges told his wife “Three of us put our cots together, so the blanket would help more of us stay warm. Many nights, some Japs would come and give shots to the outside person. I was in the middle, and when I woke up, the two on the outside were dead.”³⁸ Wesley Davis, another POW at Mukden, tells of his sleep being interrupted by an unfamiliar face. He recalls:

I was asleep on a straw mat on a platform in our barracks. At about 4 a.m., I was awakened by a tickling sensation. I awoke with a start to see the face of Japanese unfamiliar to me, holding a feather under my nose. When I awoke, he quickly said excuse me and moved away, before I could ask what he was doing. Later the men compared notes and we found similar experiences had happened to others. Sometimes it was a feather or at other times tying a tag with a number on it on a man’s toe.³⁹

Norbert Fell, a biological warfare expert at Fort Detrick, Md., learned through extensive interviews in 1947, that the scientists of Unit 731 conducted experiments that included rubbing a bacteria coated feather under a prisoner’s nose and spraying prisoners with Flit guns. Pappy Whelchel, another POW from

³⁷ Linda Goetz Holmes, “Unit 731 and Experiments on American Prisoners of War,” Report to the Nazi War Crimes and Japanese Imperial Government Records Interagency Working Group, 27 September 2002, RG 226, National Archives and Records Administration College Park, MD.

³⁸ Holmes, “Unit 731 and Experiments on American Prisoners of War”. RG 226, NARA

³⁹ Holmes, “Unit 731 and Experiments on American Prisoners of War”. RG 226, NARA

Mukden, stated “All the POWs were sprayed on the face by some kind of spray from a spray instrument similar to our Flit spray guns.”⁴⁰ Major Peaty had written in his diary on more than one occasion that the Japanese were falsifying the medical records of the men. POW doctors told him that the weight, length of stay, and cause of death of prisoners were being changed.

The victims were exposed to massive doses of plague, anthrax, and smallpox germs. The Japanese also killed victims by other grotesque means, such as poisoning by radiation or pumping victims full of horse blood. The Japanese



Figure 6. Japanese scientists perform vivisection on male victim. Available at www.aiipowmia.com/731/731coveat.html. Accessed 15 March 2005.

removed organs and blood while withholding water to collect data on how the human body coped with their manufactured diseases and deprivation of fluids. Planes sprayed a proving ground called Anda, with a plague culture or

dropped bombs with plague-infected fleas to see how many people would die.

Captured soldiers were chained to stakes as researchers detonated bombs filled with deadly anthrax, plague, and gas gangrene in order to track the spread of disease through their bodies; sometimes the researchers dissected them while the victims were still alive. “The prisoner knew that it was over for him, and so he did not struggle, recalled the old former medical assistant of a Japanese Army Unit in

⁴⁰ Holmes, “Unit 731 and Experiments on American Prisoners of War”. RG 226, NARA

China during World War II. However, when he picked up the scalpel that's when he began screaming, I cut him open from chest to the stomach, and he screamed terribly, and his face was all twisted in agony.”⁴¹

The cruelty that the Japanese displayed during these field tests became the worst form of barbaric torture imaginable. The medical staff performed dissections on live prisoners without any form of anesthetic. Dr. Kurumizawa Masakuni



Figure 7. Japanese scientists perform vivisection on female victim. Available at www.aiipowmia.com/731/731coveat.html. Accessed 15 March 2005.

testified to one of the procedures, “The Chinese woman victim had regained her consciousness while being vivisected. She opened her eyes and then she hollered. She said it was alright to kill me, but please spare my child’s life.”⁴²

The Japanese doctors did not wait for death because they felt the results would not be as conclusive after the blood stopped flowing. This is only one story of the terrible procedures performed to see the effects of their manufactured diseases on the human internal organs.

“When the prisoners were liberated in August 1945, they were debriefed repeatedly on their way home, and after arrival in the United States. Most were strictly ordered not to discuss or write about their treatment in captivity, and many

⁴¹ The Other Holocaust, 2.

⁴² The Other Holocaust, 2.

were ordered to sign the so-called gag order to this effect. But all of them have stated that no military or intelligence personnel ever questioned them about whether they thought the Japanese might have conducted medical experiments on any of them while they were in Mukden.”⁴³

In 1940, Aizawa Yoshi was a teacher at the Harbin Higher School for Japanese women. In that same year, an epidemic of typhoid engulfed the area. Yoshi lost twenty-two students to the disease. Yoshi stated that “at first she felt the disease occurred due to lack of hygiene in China; however, she now believes the typhoid was caused by bacilli spread by Unit 731.”⁴⁴ This belief has been hard for Yoshi to express because of the public denials of her government. The twenty-two Japanese students killed by their own army were only a small percentage of the hundreds killed in Harbin by this epidemic. After the incident, Ishii Shiro felt the need to move his facility, for too many eyes in an urban center were not what he and his confederates wanted. This epidemic was his way of saying farewell to the area. Yoshi’s story helps to confirm many of the testimonies in Gold’s book about Unit



731.

Another story tells of the process used by the Japanese military for thawing out frostbitten extremities. The Japanese

Figure 8. Replica of experiments for frostbite from Unit 731 Exhibit. Hal Gold, *Unit 731 Testimony*, 132.

⁴³ Holmes, “Unit 731 and Experiments on American Prisoners of War”. RG 226, NARA.

⁴⁴ Mariko Asano Tamanoi, “War Responsibility and Japanese Civilian Victims of Japanese Biological Warfare in China”. *Bulletin of Concerned Asian Scholars*. Vol. 32, Issue 3 Available from www.questia.com (accessed 28 October 2004).

exposed prisoners to extreme cold and sprayed them with salt water, and then, as gangrene started to form, they would start amputating limbs to keep the victim alive. “To determine the treatment of frostbite, prisoners were taken outside in freezing weather and left with exposed arms, periodically drenched with water until frozen solid. The arm was later amputated; the doctor would repeat the process on the victim’s upper arm to the shoulder. After both arms were gone, the doctors moved on to the legs until only a head and torso remained. The victim was then used for plague and pathogens experiments.”⁴⁵ Showing little or no remorse, the Japanese would proceed to dissect the prisoner, claiming that this gave them the most information from each victim. “Unit 731 proved that the best treatment for frostbite was not rubbing the limb, which had been the traditional method, but immersion in water a bit warmer than 100 degrees, but never more than 122 degrees.”⁴⁶

The ghastly treatment by the Japanese also included “Victims burned with



Figure 9. Japanese scientist performs vivisection on infant victim. Available at www.aiipowmia.com/731/731coveat.html. Accessed 15 March 2005.

flame throwers, blown up with shrapnel, and bombarded with lethal doses of x-rays, they were also spun to death in centrifuges. They were injected with animal blood, air bubbles, and exposed to

⁴⁵ The Other Holocaust, 3.

⁴⁶ Nicholas Kristof, “Unlocking A Deadly Secret,” *New York Times*: available from <http://www.aiipowmia.com/731/germwarfare.html> (accessed 7 October 2004).

syphilis. The victims suffered through surgical removal of their stomachs with the esophagus then attached to the intestines, had limbs amputated and then reattached to the opposite side, and were gassed to death.”⁴⁷ These barbaric acts were carried out for the alleged advancement of scientific knowledge and were performed without compassion or respect for the people being butchered. “[Japanese] scholars say that the research was not contrived by mad scientists and that it was intelligently designed and carried out. The medical findings saved many Japanese lives.”⁴⁸ The experiments by Units 731, 100, and others under this division of biological warfare would be enough to show the savage side of the Japanese military, but this was only the beginning of the criminal acts that occurred at the hands of the Japanese.

The Japanese would bury victims while they were still alive; they also castrated the males, removed internal organs to practice surgical procedures, and



Figure 10. Japanese bury prisoners alive. Available at www.aipowmia.com/731/731coveat.html. Accessed 15 March 2005.

set some of the people on fire. These actions became routine in Japanese occupied areas of China. According to Brackman, a reporter at the Tokyo war trials, “the manner in which these people met their death was extremely

cruel and diverse, so ghastly, in fact, that it made Auschwitz gas chambers appear humane.”⁴⁹

⁴⁷The Other Holocaust, 4.

⁴⁸ Kristof, “Unlocking a Deadly Secret”.

⁴⁹ The Other Holocaust, 12.

Medical researchers would lock up diseased prisoners with healthy ones to see how readily various viruses spread. To see how much pressure the human body could stand, researchers put some prisoners inside a pressure chamber; the victims suffered horrible agony before their eyes popped out of their sockets. Prisoners were denied food to determine how long the average human could last without nutrition, or they were mummified alive in dehydration experiments. Some were



Figure 11. Japanese place infected prisoners alongside healthy prisoners to test reaction time of their new viruses. Available at www.aiipowmia.com/731/731coveat.html. Accessed 15 March 2005.

placed into hot water and then the temperature was gradually increased to study the degree of burns and the relationship between temperature and survival.

According to the testimony at the Tokyo War Crimes Tribunal, “there were 132,134 allied P.O.W.s held by the Japanese during World War II. Of these, 35,756 died producing a death rate of 27 percent. By way of contrast, the German and Italian forces held 235,473 allied P.O.W.s and 9,348 of them died a death rate of 4 percent.”⁵⁰ Clearly, this shows the lack of importance that the Japanese attached to the Geneva Convention.

During World War II, the treatment of other Asians by the occupying forces of the Japanese military, at times, seemed barbaric. “The Japanese were responsible for 20-30 million Chinese casualties during their 14-year occupation, not to

⁵⁰ Tanaka, Hidden Horrors, 70.

mention the 9 million Koreans, 4 million Indonesians, 2 million Vietnamese, 1.5 million Indians, 1 million people from the Philippines, and the other Asian countries such as Burma, Thailand, Malaysia, and Singapore.”⁵¹ The use of live humans in China as bayonet targets or for the testing of chemical weapons shows the lack of compassion the Japanese had for other Asian people.

The Japanese treatment of prisoners of war was abusive and harsh. They were not prepared to care for prisoners, and the prisoners they allowed to surrender were often worked or starved to death. The rules of war were of no concern to Japanese. The goal of the Japanese was to survive the war at all costs. The Allies looked upon the Nazis as racist for their crimes against the Jewish people. The



Figure 12. Stacks of victims awaiting disposal at the crematorium. Available at www.aiipowmia.com/731/731coveat.html. Accessed 15 March 2005.

Japanese did not single out any particular group to mistreat, they were cruel to anyone they felt was against the Empire. The more we learn as additional documents are released the more barbaric the Japanese appear. Despite what we learn, the Japanese, still deny to this day the majority of the crimes they committed.

During the occupation of Manchuria in 1938, Japan had set up the headquarters of Unit 731 in Pingfang near Harbin, in China, to develop plague bombs for use in

⁵¹Barenblatt, *A Plague upon Humanity*, 96.

war. “Japan expected to crush the Chinese quickly, enjoying overwhelming ground, naval, and air superiority. The Japanese offensive of 1938 triumphed in virtually every encounter. However, the Chinese resistance was also stiffening, forcing Japanese troops to rely increasingly on chemical weapons.”⁵² The delivery system developed by Unit 731 used clay pots instead of the usual metal containers,



Figure 13. UJI-50 Bomb developed by Ishii Shiro during World War II. Hal Gold, *Unit 731 Testimony*, 131.

because that they needed less explosive to release the plague. They also were able to detonate the munitions at higher altitudes to increase the infected area. In March 1939, Imperial Headquarters granted General

Okamura Yasuji permission to use more than fifteen thousand canisters of gas in the largest biological and chemical weapons attack of the war. “Okamura justified his request by saying that the gas canisters were needed to restore the reputation of the troops and give them the feeling of victory.

On April 11, the Emperor approved Directive Number 11, issued by his army chief of staff, authorizing further use of poison gas by the North China Area Army and its Garrison Force in Inner Mongolia.”⁵³ This directive allowed the Japanese to use chemical weapons whenever they felt it was needed to turn the tide of battle. “Imperial Headquarters Army Order Number 301, sealed by Hirohito on May 15, 1939, authorized the carrying out of field studies of chemical

⁵² Bix, *Hirohito*, 349.

⁵³ Bix, *Hirohito*, 362.

warfare along the Manchukuo-Soviet border.”⁵⁴ These orders, giving the Japanese a free hand in Manchuria, show that the Emperor had to know and approve of the work of General Ishii Shiro.

Ishii built a self-contained installation with sophisticated germ and insect breeding facilities, a prison to house his human subjects, testing grounds, an arsenal for making germ bombs, an airfield with its own special air force, and a crematorium to dispose of the human remains from his experiments. There were sixty-seven water supply units in the Japanese Army, and Ishii Shiro was the head



Fig. 14. Aerial view of Ping Fan facility created by Ishii Shiro.
<http://www.myonlineimages.com/Members/karina/Images/unit731_1.jpg> Accessed 18 Apr 2005.

of these units’ operations. Five of those water supply units were operating in Manchuria. The main unit was located in Ping Fan. This was the headquarters of operations for General Ishii

Shiro. From 1942-1945, this main unit was headed by Masaji Kitano.

“Manchurian water wells were laced with typhoid germs that were remarkably effective killers. It is estimated that more than 1,000 wells in and around Harbin were contaminated with typhoid bacilli in 1939 and 1940. Casualties ranged from single deaths to limited outbreaks of typhoid, which devastated entire villages.”⁵⁵

Ishii and his Changchun counterpart caused a cholera outbreak in the Manchukuo capital. Ishii entered the city in 1940, informed local

⁵⁴ Bix, *Hirohito*, 362.

⁵⁵ Harris, *Factories of Death*, 77.

authorities that cholera was moving in on their community, and that the general population needed to be inoculated. Ishii did not tell them the vaccine they were taking was filled with cholera germs. Innocent people lined up, were given an injection, and possibly some liquid to drink or some contaminated food to eat. In any event, a cholera epidemic spread through metropolitan Changchun shortly after.⁵⁶

Following the success of the experiment in Changchun, Ishii decided on his next target Nanking. In July 1942, Ishii traveled to Nanking, where he joined the local personnel to distribute typhoid and paratyphoid germs from metal flasks into wells, marshes, and houses of ordinary citizens. Epidemics broke out in the region shortly afterwards. Ishii also visited a local Chinese POW camp. He gave 3,000 prisoners a special holiday favor, dumplings that had been injected with typhoid or paratyphoid germs. The prisoners were then released and allowed to return home acting as agents in spreading the disease. Ishii passed out chocolate filled with anthrax bacteria to the local children.⁵⁷ The use of food to distribute Ishii's diseases was very effective, the people in China were starving so they often would not question what they thought was an act of kindness.

Ishii also filled sweet cakes with typhoid and paratyphoid bacteria; Japanese soldiers were given 300-400 of the cakes to leave around fences and by trees in Nanking. They hoped to trick the local population into thinking the soldiers had accidentally left food behind. The people were starving and needed the food to survive. An outbreak of disease occurred shortly after the sweet cakes were distributed. After all the experiments in Nanking, researchers concluded that paratyphoid had been the most effective of the pathogens tested.⁵⁸

⁵⁶ Harris, *Factories of Death*, 77.

⁵⁷ Harris, *Factories of Death*, 77.

⁵⁸ Harris, *Factories of Death*, 78.

The Japanese used other methods besides food to spread their manufactured plague. In another test the Japanese introduced plague infested rats into an area hoping they would breed with the local rats causing a massive breakout of the disease. Unit 731 men would leave fountain pens and walking sticks, which carried the plague, along the road or in the street. People would find them and take them home, causing other outbreaks of the disease.

Ishii would show his gratitude for a job well done and he considered the experiments in Manchuria a success. “Ishii at times could be an indulgent and caring commander. He wanted his men to be happy and comfortable; to achieve that objective, he spent lavishly. His men were given as many of the comforts of home as the bleak Manchurian landscape could provide.”⁵⁹ The house Ishii and his family shared in Harbin was immaculate. They enjoyed all the creature comforts available. “Ishii’s Harbin residence was a sequestered Russian mansion. The mansion was home to Ishii, his wife, and their seven children. His eldest daughter compared the mansion to something out of *Gone with the Wind*. He commuted to Ping Fan in an armor-plated limousine. While at the compound Ishii stayed in a special suite with all the luxuries the era could provide.”⁶⁰

To make Ping Fan bearable for the Japanese scientists, workers, and armed guards,

⁵⁹ Harris, *Factories of Death*, 35.

⁶⁰ Harris, *Factories of Death*, 57.

Ishii had constructed within his model research camp twenty-two state of the art dormitories for the Japanese residents. In addition, provided for entertainment was a 1,000-seat auditorium complete with library and bar. There were swimming pools, gardens, small bars and restaurants, bathrooms, warehouses to store fish and vegetables, athletic fields, and a brothel to service Japanese personnel. He equipped four bungalows with the latest medical instruments and medicines to care for their medical needs. A large Shinto temple was built to provide for their spiritual needs and primary and secondary schools were constructed for their children.⁶¹

Ishii had a small air force at his disposal and he used the planes often, “An experienced pilot, Ishii handled the controls of several planes placed at his disposal in Ping Fan by the Kwantung Army. He piloted his personal plane to the various Water Purification Units for on site inspections, and for pep talk performances to maintain troop morale. Ishii also flew missions during biological weapons field tests in China. Ishii commuted regularly to a test facility in Anda.”⁶²

The Japanese disguised the base as an Epidemic Prevention and Water Supply Unit. “The Ping Fan facility alone could manufacture as much as 300 kilograms of plague bacteria monthly, in addition to 500-600 kilograms of anthrax germs, 800-900 kilograms of typhoid, paratyphoid, or dysentery germs, or as much as 1000 kilograms of cholera germs. More than 10,000 Chinese, Korean and Russian P.O.W.s were killed in biological experiments.”⁶³

In 1982, the *Japan Times* printed an article by Masanori Tabata. It was an interview with Harumi Ishii, the daughter of General Ishii Shiro. Harumi viewed

⁶¹ Harris, *Factories of Death*, 35.

⁶² Harris, *Factories of Death*, 58.

⁶³ Gold, Unit 731 Testimony, 45.

her father as a genius. She said, “Were it not for the war and his chosen career, his genius might have flourished in a field other than medical science, possibly politics.”⁶⁴ Harumi defends her father but does not deny the horrible actions of Unit 731. She says that it was all in the line of duty to the Emperor and Japan. “She admits that by any moral standards his human experimentation would be denounced, and then says it all happened in extremely abnormal circumstances.”⁶⁵ Her father’s actions have been linked to the most barbaric episodes of World War II. “These actions had been buried in the minds of his followers and the Archives of the United States”⁶⁶ until recently. The Devil’s Brigade was a name given to Unit 731 with Ishii seen as the devil. His human experimentation was to help bring about the ultimate biological weapon and biological agents that were cheap to produce, yet effective when used against the enemy. Harumi tells how her father saw the ultimate showdown with Russia and the Red Chinese that was going to occur soon in Manchuria, and he was going to be ready.⁶⁷

Harumi Ishii talks of how her father told a group of men about a uranium weapon possessed by the Americans and how he had a weapon to use in response. Her father was talking about the bacilli bomb. He had devised this weapon plan to use against the Americans. The general was developing a delivery system for balloon bombs that would reach the western coast of America. The balloons would

⁶⁴ Masanori Tabata, “Daughter’s-Eye View of Lt. Gen. Ishii, Chief of ‘Devils Brigade,’” *The Japan Times*, 29 August 1982.

⁶⁵ Tabata, “Daughter’s-Eye View,” *The Japan Times*, 29 August 1982.

⁶⁶ Tabata, “Daughter’s-Eye View,” *The Japan Times*, 29 August 1982.

⁶⁷ Tabata, “Daughter’s-Eye View,” *Japan Times*, 29 August 1982.

be filled with germs to cause disease up and down the coast as well as panic in the United States. The Japanese also used the balloon bombs to also attack the mainland of America. It was one such attack that caused a forest fire on the west coast of the United States. During the middle of the war, it was well known in the Pacific theater that several balloons had been released. “The combination of the Balloon bombs and the bacilli charged ceramic bombs developed by Unit 731 might have caused a nightmarish disaster.”⁶⁸ After consideration, the Emperor opposed the plan out of fear of retaliation from the United States.

In December 1944, Japan started a balloon assault on the U.S. by sending about 200 balloon bombs, but not germ bombs, to the west coast; each was thirty feet in diameter and 91 feet long. They caused the deaths of seven people. The person who took charge of the investigation of the balloons was none other than Murry Sanders, the first man sent to Japan to investigate Unit 731. Forty years later, Sanders recalled, “The only explanation I had, and still have, is that Ishii wasn’t ready to deliver what he was making in Ping Fan; that he hadn’t worked out the technology. If they had been, we were at Ishii’s mercy.”⁶⁹

As the war was ending and the Japanese were losing ground, they started dumping cholera and typhoid cultures into reservoirs, rivers, and wells, thus tainting the water supply and causing the deaths of Chinese people for years after the war ended. At the end of the war, the Japanese released their plague-infested

⁶⁸ Tabata, “Daughter’s-Eye View,” *The Japan Times*, 29 August 1982.

⁶⁹ Tien-wei Wu, *A Preliminary Review of Studies of Japanese Biological Warfare Unit 731 in the United States*. RG 226, National Archives and Records Administration College Park, MD.

rats on the communities of Manchuria, with the effects of this action felt for years after the war. “As the war ended these rats caused outbreaks of the plague that killed at least thirty thousand people in Harbin from 1946-1948.”⁷⁰ It is estimated that 700,000-2,000,000 chemical bombs most of them loaded with mustard gas and many of them corroded and leaking are still scattered in China. China is now home to the world’s largest chemical weapons cleanup campaign.”⁷¹ The Japanese have been held responsible for the problem, but they have refused to take



Figure 15. Map of Shanghai/Ning Bo area. Available at Mapquest.com. Accessed 15 March 2005.

any action to clean up the waste sites or to acknowledge there is a major problem.

During July 1940, the town of Ning Bo, a holiday resort visited by the Shanghai elite, became the target of another massive biological

attack by Ishii Shiro. This community, which was south of Hangchow, was the birthplace of Chiang Kai Shek.

For the next five months, the town was the target of a series of biological attacks. The methods of spreading disease varied, they dumped pathogens into water reservoirs, ponds, and individual residential wells. Aerial spraying in early October disseminated infected grains of wheat and millet. Later that month, Ishii personally directed scattering of contaminated wheat and cotton in

⁷⁰ Harris, *Factories of Death*, 128.

⁷¹ *The Other Holocaust*, 9.

and around Ning Bo. On November 26, specially equipped Unit 731 aircraft flew over nearby Jin Hua county, dropping bombs which, on impact, gave off smoke-like objects that later turned a light yellow color.⁷²

At the conclusion of the five-month campaign, cholera, typhus, and the plague were spread throughout Ning Bo and at least five surrounding counties. The diseases released in the summer and fall of 1940 had long-term effects in Ning Bo. The nearby communities had outbreaks of plague in 1940, 1946, and 1947. The diseases took a heavy toll on the area; and many people lost their lives after the war was over.

The Chinese Nationalists claimed that, on October 27, 1940, a plague was dropped on the city of Ning Bo. In the next few years, the Chinese alleged a number of Japanese biological warfare attacks. A Japanese plane circled the town of Changde in the Hunan province. It dropped grains of wheat and rice, pieces of paper and cotton wadding, which fell in two streets in the city's East Gate District. During the next three weeks, six people living on the two streets died of plague-like symptoms. Dr. Chen Wen-kwei a former League of Nations plague expert in India investigated this attack, with autopsies of people and inspections of the local rat population. The local rats did not carry the fleas with the plague virus. This meant the virus was introduced another way, confirming the local peoples' story of the Japanese planes. Later, the disclosure of the Japanese techniques of

⁷² Harris, *Factories of Death*, 78.

spreading diseases would support Chen's findings. The Japanese had hoped their diseased rats would infect the local rats and cause a natural epidemic.

“Colonel Ota Kiyoshi, one of Ishii's most loyal and trusted aides, mounted a major biological offensive against Chinese resistance in central China. Ota began the new campaign on April 11, 1941, distributing by airplane, plague infected wheat and millet.”⁷³ The attack was centered on the town of Chang teh; where the residents started to die of the plague eight days later. “Later that summer the attack was resumed; they began spraying plague-infected fleas on the surrounding countryside. In November, Ota ordered an airdrop of a mixture of wheat and rice balls, strips of colored paper, cotton fibers, and other fabric cuttings. By December, many residents of Chang teh had died, a conservative estimate of 400 to 500 died in Hunan province from Ota's experiments.”⁷⁴ These field experiments continued throughout 1942.

In a 1943 statement, President Franklin D. Roosevelt addressed the actions of the Japanese in China with regard to their use of chemical weapons on the Chinese. Roosevelt stated: “I desire to make it unmistakably clear that if Japan persists in this inhuman form of warfare against China or against any other of the United Nations, such action will be regarded by this government as though taken against the United States and retaliation in kind and in full measure will be meted

⁷³ Harris, *Factories of Death*, 79.

⁷⁴ Harris, *Factories of Death*, 79.

out.” Roosevelt ended his statement by saying, “We shall be prepared to enforce complete retribution. Upon Japan will rest the responsibility.”⁷⁵

Harris says, “Edward Behr, a late twentieth century British journalist turned biographer, portrays Hirohito in a dark light. Behr claims to have found so many tangential ties between the Emperor and biological warfare that he concluded Hirohito knew something about Unit 731.”⁷⁶ Other British historians have agreed that Hirohito was an integral part of the Japanese war machine: “Hirohito had a secret Imperial fund earmarked for special weapons research, which may have been used in Manchuria and China for biological warfare research. The Emperor was an avid student of science and it is believed he personally monitored the progress of Unit 731’s research.”⁷⁷ The fact that Ishii’s and Wakamatsu’s units were created by an Imperial edict is not enough to implicate Hirohito because thousands of documents, which his subordinates had issued, were sent out with the seal of the Emperor. Wakamatsu was the commander of a smaller biological unit, its main purposes was combating animal diseases, and it was established at Xinjing. “One main reason for the belief that Hirohito knew of the activities in Manchuria was that both Ishii and Wakamatsu units were the only ones established by royal decree during Hirohito’s long reign.”⁷⁸ The Emperor knew Ishii personally. They had met on at least two occasions. One of the meetings occurred on a Japanese ship where Ishii was demonstrating his water purification

⁷⁵ Harris, *Factories of Death*, 77.

⁷⁶ Harris, *Factories of Death*, 114.

⁷⁷ Harris, *Factories of Death*, 145.

⁷⁸ Harris, *Factories of Death*, 144.

system. Ishii had urinated into a bottle, and then he ran the urine through his filtration system. Upon the completion of this process, Ishii offered the Emperor a drink, but the Emperor refused. Ishii then proceeded to drink the water himself, which, needless to say, made a lasting impression on the Emperor.

It was estimated that the Japanese, during their fourteen years of conflict in China, carried out more than 2,000 battles where they used biological and chemical weapons, causing a great amount of casualties.⁷⁹ An in-depth study by Japanese and Chinese scholars have shown that at least 270,000 Chinese soldiers and civilians were killed by Japanese germ warfare between 1933-1945. They also believe that the toll from Japanese-seeded cholera epidemics in the southern province of Yunnan, which at the time was a communist controlled area of China,



Figure 17. Victim of biological weapons attack. Available at www.aipowmia.com/731/731coveat.html Accessed 15 March 2005.

may have reached 200,000. As the war ended, the Japanese Units released all their plague-infected animals. The northeastern part of China immediately became a disaster area; the resulting outbreaks of plague in the region killed another 30,000 people from 1946-1948.⁸⁰ The number of deaths at the hands of the Japanese has been the cause for debate since the end of the war.

⁷⁹ The Other Holocaust, 8.

⁸⁰ The Other Holocaust, 5.

“Most of the men who served under Ishii loved him, because of his exuberant personality, daring, and devil may care attitude, his obvious intelligence, and his intense patriotism. Ishii had some weaknesses such as heavy drinking, flagrant womanizing, and manifest embezzlements from the appropriations earmarked for his unit. Either his men overlooked these flaws or his supporters applauded them. Ishii’s bizarre work habits of a late night in the lab after a night on the town were condoned by his men as an eccentricity of an extraordinary man.”⁸¹ His bad habits did nothing to tarnish the image of Ishii in his men’s eyes; they had placed their leader on a pedestal. “Between bouts of exhibitionism, embezzlement, and unrestrained drinking and geisha house crawling; Ishii managed to assemble an outstanding team of medical specialist and scientists.”⁸²

“Ishii retained his position at the Tokyo Army Medical College while he was stationed in Manchuria. He spent nine months with the Kwantung Army in Ping Fan and the other three months lecturing, recruiting personnel for Biological warfare work, and doing research in Japan. His Epidemic Prevention Research Laboratory established with the help of Dean Koizumi at the Army Medical College remained a key component in his vast biological warfare enterprise.”⁸³

In October 1941, Tojo, the Prime Minister of Japan, personally presented an award to Ishii for his contributions to developing biological weapons and had a picture taken with Ishii, which appeared in major newspapers. One month before

⁸¹ Harris, *Factories of Death*, 58.

⁸² Harris, *Factories of Death*, 57.

⁸³ Harris, *Factories of Death*, 58.

the end of the war, reports circulated of an attempt to launch from the deck, a Kamikaze suicide airplane with plague bombs carried by a submarine to attack San Diego, California. If Tojo had been opposed to using biological assault weapons on American soldiers, as is believed, his objection was based on the fear of American reprisals.

When Russian tanks crossed the Siberian- Manchuria border at midnight on August 8, 1945, Japan was less than a week away from unconditional surrender. During this brief grace period, the Japanese destroyed the biological warfare installations in China, killed their remaining prisoners, and shipped out most of their personnel with some of the more valuable equipment to South Korea. It took less than thirty hours to turn the installations to piles of ashes. However, the Japanese left some of their research behind in the hasty retreat.

When the Russians finally took control of the biological warfare units in September of 1945, most of the top officials had left to turn themselves in to the Americans. The Soviet troops captured what was left of Unit 731 in Manchuria. Rumors had circulated in Russia since the late 1930s about the experiments carried out in the camp. The final details emerged through captured documents and the testimonies of Japanese P.O.W.s. The captured documents included blueprints of biological warfare assembly plants far larger and more complex than any Russia currently operated. Japan had organized this plant like a small industry with a

central production facility fed by continuous research and development.⁸⁴ The documents were sent to Moscow, Joseph Stalin, the leader of Communist Russia, tasked Lavrenty Beria, the head of the KGB, to build new facilities and to match and surpass the Japanese biological warfare output. In 1946, a new Army Biological Research complex was established at Sverdlovsk.⁸⁵ This was the beginning of a more proficient Biological Unit for the Soviet Union. The research in the documents found in Manchuria, as well as Ishii Shiro's research, made this new unit possible. The United States also took advantage of the new information provided by Ishii Shiro and the other captured officers to improve its Biological Weapons Division of the Army. Both of the major superpowers of post World War II can trace their improved biological weaponry to the information provided by Ishii Shiro.

The news of Japan's surrender devastated Ishii. He could not accept the idea that an inferior people defeated Japan. When Emperor Hirohito was heard on the radio asking the Japanese people to end the war, Ishii had a nervous breakdown. Once he was assured that Ping Fan had been destroyed, Ishii boarded a military aircraft to return home. Members of his family along with data and equipment from Ping Fan were sent by railroad to Pusan, Korea. It was from Korea that some of his close family members continued their journey back to Japan by boat.

⁸⁴ Ken Alibek, and Stephen Handleman, *Biohazard: The Chilling True Story of the Largest Covert Biological Weapons Program in the World – Told from Inside by the Man Who Ran It*, New York: Dell Publishing, 1999. 36.

⁸⁵ Alibek and Handleman. *Biohazard: The Chilling True Story of the Largest Covert Biological Weapons Program*, 37.

Despite the horrific experiments, there were many medical benefits



Figure 18. Diagram of Japanese anti-disease suit. Scope, Biological Warfare Activities and Capabilities of Foreign Nations, RG 226, National Archives and Record Administration, College Park MD.

discovered by the Japanese research carried out in Manchuria. The Japanese anti- disease suit was developed to allow the scientists access to contaminated areas without fear of contracting the disease themselves. “The suit was among the captured equipment found after the war, it was made of lightweight rubberized silk it was a coverall type outfit with a zipper front and neck draw strings. Boots, gloves and a hood were made of the same material. Because of

the impermeable material, the suit was worn for short periods of time. The suit was not very durable, so rough work was avoided, but it was easy to move about in.

The Japanese apparently used this suit for autopsy and

decontamination work, but with slight modifications the suit could have been used for protection against biological warfare agents.”⁸⁶ Ishii’s water purification

system was the envy of the world, many American soldiers were impressed with the fact the Japanese had clean water to drink through out the Asian Theatre. The developments of vaccines to treat the diseases, cultivated within the labs of Unit 731, were a medical breakthrough. Under the rubric of the Defensive Research

⁸⁶ Scope, Biological Warfare Activities and Capabilities of Foreign Nations, 30 March 1946, RG 226, National Archives and Records Administration College Park, MD.

Unit, technicians produced vaccines for eighteen diseases. At least 20 million doses of vaccine were produced at Ping Fan annually, and untold millions more were made at the other unit compounds.

The research in the treatment of frostbite provided a successful way to thaw out limbs without having to amputate them due to gangrene. The new ways to treat soldiers who had suffered from the effects of a biological weapons attack were all important medical discoveries. These new medical advances were made due to use of human guinea pigs. The people exposed to the terrible treatment in the camps of the Japanese biological warfare units suffered extremely gruesome deaths. The price of a human life has been debated since the beginning of time. During World War II, the monetary price for the individuals of some races was cheap, but the discoveries were priceless.

CHAPTER 3

THE COVER-UP AND LEGACY

The end of World War II was a time when people wanted justice for those scarred by the Axis powers. The trials of Nazi war criminals in Nuremberg brought a feeling of vindication for those in Europe who had suffered at the hands of German soldiers. The war crime trials in Tokyo were quite different. The allies did prosecute 5,570 Japanese, but none for biological warfare. Nine Japanese medical school professionals were convicted, and some executed, for the vivisection of eight captured American fliers in 1945. The crimes committed by the biological units of the Japanese Army were a topic left untouched by the American government. The War Trials Board did not prosecute any Japanese soldiers for anything that had to do with biological weapons. The Russians however, did convict twelve men of crimes against the Chinese citizens and prisoners of war who had been used as test subjects in the Japanese tests.

When comparing the European and Asian Holocaust, historians need to look at the current situation in the two countries. After the war, the two countries were treated differently. Germany was forced to acknowledge the crimes against the Jews and other Europeans, while, even today, Japan denies its crimes and worships many of those who carried out these atrocities. Germany has offered a formal apology to its victims. Japan's Prime Minister, on the other hand, has

offered only vague, indirect, and personal apologies, neither their Emperor nor Parliament has offered an apology. “German leaders consistently apologize for their past aggressions in the clearest possible terms. Former Chancellor Willy Brandt once even fell to his knees at the site of the Warsaw Ghetto, with the utmost sincerity in tribute to those who died there at Nazi hands.”⁸⁷ Germany has been paying restitution to the victims of the European Holocaust; continuing to pay 550 Deutch marks to Holocaust victims until 2015. Since 1995 Germany has paid pensions to the Jews in Israel and in the U.S. who were living in Eastern Europe during World War II, and to German speaking Canadian Jews since 2003. Germany has paid 88 billion marks in compensations and reparations to Jewish Holocaust victims. Germany will spend 20 billion marks by 2005; Japan has paid virtually nothing and continues to maintain innocence for its wartime crimes.⁸⁸

Furthermore, Germany has opened all its wartime archives to researchers and investigators. Germany has chosen to examine its history in detail and admit its culpability for the war. Still, Japan refuses to open its archives and, at times, denies the existence of certain files, such as records related to wartime military and biochemical warfare experiments, as well as the practice of sexual slavery. Denial of the Holocaust in Germany has been outlawed by legislation. It is a crime to utter what is called the Auschwitz lie, which is denial of the death camps.

However, Japan tolerates public denial of wartime atrocities by ultra

⁸⁷ The Other Holocaust, 82.

⁸⁸ The Other Holocaust, 82.

nationalists and encourages high officials to openly worship war heroes of which some were known to be war criminals.

The Japanese Yasukuni Shrine memorializes 1,068 war heroes, including 14



Figure 19. Tokyo Memorial Tower for Unit 731. Available at www.aiipowmia.com/731/731coveat.html. Accessed 15 March 2005.

thought by the most of the world to be Class A war criminals. For the people of Asia, the shrine is a symbol of Japanese brutality and of its militaristic past. In Germany, teachers explain about the Holocaust and teach anti-Nazi doctrine to their students. However, in Japan, wartime carnage is censored from the textbooks because Japan's actions in China and Korea would be seen as an embarrassment.⁸⁹ In Germany, the government

has been cooperative in identifying Nazi war criminals and bringing them to justice from hidden identities and from exile. The Germans have verified thousands of names of war criminals as requested by the U.S. Department of Justice. All have been placed on a list banning their entry into the U.S. similar information was provided to other nations. However, Japan refuses to cooperate in war crime investigations. Japan refuses to verify names of war criminals by simply ignoring the request of the U.S. Department of Justice.⁹⁰

⁸⁹ The Other Holocaust, 90.

⁹⁰ The Other Holocaust, 47.

Ralph Blumenthal, a writer for the *New York Times*, points out that the cooperation of the Japanese government in bringing these war crimes to light has been nonexistent. The Japanese also refuse to help identify these criminals for the United States to watch as a threat to U.S. national security. Eli Rosenbaum, director of the Office of Special Investigations in the Justice Department, said, “The dispute between Japan and Washington over suspected war criminals has been quietly building for three years.”⁹¹ The Justice Department has over 60,000 names of Germans and other Europeans as suspected war criminals in their database, but, in contrast, due to lack of cooperation, they have fewer than 100 Japanese listed. Mr. Rosenbaum said, “For a friendly government to deny us access is astonishing; most outrageous of all is that the Japanese government will not provide the dates of birth of war crimes suspects identified by O.S.I. so that they can be barred from the United States. They won’t even tell us if they will ever assist us.”⁹²

In the matter of restitution for slave laborers, Germany coordinated an effort to reach a settlement. German companies engaged in slave labor practices will pay 1.7 billion dollars to their wartime victims. Japan has concealed records of wartime slavery conducted by Japanese companies. In fact, after the war Japan paid 450 million dollars to 135 companies to compensate them for managing the contract laborers. It is estimated that China’s direct economic loss due to 14 years

⁹¹ Blumenthal, “Japan Rebuffs Request,” *The New York Times*, 4 March 1999.

⁹² Blumenthal, “Japan Rebuffs Request,” *The New York Times*, 4 March 1999.

of Japanese occupation is 63 billion dollars and its indirect loss on income is 500 billion dollars.⁹³ This is in China alone none of the other Asian countries was included in these totals.

Both Germany's government and society have punished and rejected their war criminals. Japan has made many of its war criminals key government, business, and academic leaders. The German government has passed legislation and a budget to build a National Holocaust Memorial Museum at its capital as a tribute to the victims. Japan passed legislation and built a War Memorial Museum that contains no trace of its wartime brutality. When comparing the European and the Asian Holocausts, the extent of brutality performed by both countries is difficult to comprehend. The numbers of people killed at the hands of these two countries is staggering. Historians are just now starting to unravel the Asian side of this grim chapter in history. The evidence has been hidden for so many years that the Japanese have almost gotten away with the murder of 20-30 million people in China.⁹⁴ Unlike the occurrence in Europe where they demanded swift justice, in Japan the Western Allies have let the facts stay buried. Could this equate to racism against the Asian victims? Did we trade our silence for the data collected by the Japanese in the field of chemical warfare as part of a dark alliance between Japan and the Allies? These questions have yet to be answered with the certainty needed to condemn those responsible for this great travesty of justice.

⁹³ The Other Holocaust, 24.

⁹⁴ The Other Holocaust, 24.

In few other instances was Washington's double standard revealed so clearly. An insidious weapon in enemy hands, biological warfare was transformed into an acceptable and valuable military tool when added to the American arsenal. It became humane because it offered a short cut to victory which, it claimed, would save lives, particularly American lives.⁹⁵ The American government decided that it was in their best interest to make a deal with some of the former officers of General Ishii Shiro's unit. The Americans felt the information they could receive from these men was invaluable. The Japanese data on the human subjects was especially important. American scientists would not have been able to carry out such experiments on the scale the Japanese had in Manchuria. Obtaining this information from the Japanese was also cost effective. The price of carrying out the extensive experimentation provided by these documents would have been excessive.

When the war ended, Unit 731 led by General Ishii Shiro was rounded up and questioned by General Douglas MacArthur's staff. When he was first approached and interrogated, Ishii was unwilling to provide more than cryptic answers to questions. According to Dr. Norbert E. Fell, who conducted the interviews, "the increasing interest of the Soviet Union in interrogating General Ishii helped to change his attitude."⁹⁶ With Ishii's new cooperation the Americans

⁹⁵ John W. Powell, "*Japan's Germ Warfare: The U.S. Cover-up of a War Crime*," RG 226, National Archives and Records Administration College Park, MD.

⁹⁶ Norman M. Covert, Memorandum For Record: Information on Japanese BW Program in World War II; 5 May 1982, Department of the Army, RG 226, National Archives and Records Administration College Park, MD.

were convinced the materials were vital to national security: Records show that Lt. Col. Murray Sanders of MacArthur's staff cut Ishii and his officers a deal on orders from MacArthur's office. When Sanders offered immunity in return for his records, Ishii went to his flower garden and dug up all detailed data.⁹⁷ The Japanese had used biological and chemical weapons in China until 1942. The full consequences of this Japanese style of warfare would only become evident after World War II. The Truman administration made a large commitment to biological and chemical warfare based partly on the data retrieved from the Japanese. Truman lacked the foresight of Roosevelt. Truman did not see the danger of this style of warfare. That is why he reversed "Roosevelt's wartime policy of condemning poison gases as an illegal and inhumane method of warfare."⁹⁸ The United States was accused by the communist of using Japanese discoveries and technology such as chemical weapons in a massive way during the Vietnam War.

In response to the allegations that her father went to the Americans to make a deal for his life, Harumi Ishii denies the contact was initiated by Ishii Shiro: "As far as I know, it was true that a deal was made, but it was the U.S. side which approached my father."⁹⁹ She admitted her father brokered a deal to spare the lives of his men in exchange for his data on biological weapons, her attempt to save the honor of her father was impressive. Harumi tells of the U.S. officers at the bedside of her father questioning him about his unit's activities. She says her

⁹⁷ John Bull and Peter Kelley, "Many Nations Used People in Experiments," *Saginaw News*, Michigan 1 Oct 1989.

⁹⁸ Bix, *Hirohito*, 617.

⁹⁹ Tabata, "Daughter's-Eye View," *The Japan Times*, 29 August 1982.

father offered himself as a scapegoat and he took complete responsibility for everything that happened under his command in Manchuria. Because of her father's illness, Harumi had been allowed to be with him while he was being interrogated. To make use of her typing skills, the U.S. officers asked her to transcribe the conversations. She tells how she was asked to be a courier of the notes and how she delivered them to GHQ office at the Ichigaya garrison. Harumi recalls, "The chief interrogator was a man named Arvo T. Thompson who said he was an emissary for President Harry Truman. He literally begged my father for top-secret data on germ weapons. He emphasized that the data must not fall into the hands of the Russians."¹⁰⁰

After Washington had ignored several demands, the Russian ambassador was finally allowed to question Ishii Shiro and the other Unit 731 officers who were held in custody by the Americans. There are several memos on file in the U.S. National Archives that support the claims of the Russians that they were being denied the chance to question these men about the war crimes committed in China. Washington continually told MacArthur's headquarters not to let the Russians question the prisoners until the Americans were finished with their own questions. Then, after the Americans found out what these men knew, they were determined not to let the Russians get the same information. Ishii Shiro and the men were told not to betray their secrets to the Russians and to act as if they did not recognize any of the Americans that would be accompanying the Russians.

¹⁰⁰ Tabata, "Daughter's-Eye View," *The Japan Times*, 29 August 1982.

In an article from the *Washington Post*, Phillip J. Hilts writes about a memo by two American officials, Dr. Edward Wetter and H.I. Stubblefield. The memo states that: “General Ishii Shiro was beginning to supply the desired materials, including selected samples of 8,000 slides of tissues from autopsies of humans and animals subjected to biological warfare experiments.”¹⁰¹ Hilts points out that, if this information had been brought out in a war crimes trial, all nations would have had access to it. The United States decided that such publicity would compromise its national security. There was another memo from U.S. headquarters in Tokyo that read: “The advantages of granting the Japanese immunity from war crimes was that it would result in exploiting twenty years experience of the director, General Ishii, who can assure complete cooperation of his former subordinates.”¹⁰²

The information that the United States received from the Japanese had a great impact on the American biological weapons unit. A report in December 1947 from Edwin V. Hill, chief of basic sciences at Camp Detrick, Maryland, noted the great value of the results of the experiments. Hill said of the Japanese, “It is hoped that individuals who voluntarily contributed this information will be spared embarrassment because of it and that every effort will be taken to prevent this information from falling into other hands.”¹⁰³

The Joint Chiefs of Staff decided to keep any information about the Japanese Biological Warfare Program top secret. The information was to remain exclusively

¹⁰¹ Phillip J. Hilts, “Pact with Japan Hid Results of Germ War Test on POWs,” *Washington Post* 31 October 1989.

¹⁰² Hilts, “Pact with Japan Hid Results of Germ War Test on POWs,” *Washington Post*, 31 October 1989.

¹⁰³ Hilts, “Pact with Japan Hid Results of Germ War Test on POWs,” *Washington Post*, 31 October 1989.

in U.S. hands, the Soviets were not to see any of the data and were not to interrogate the Japanese officers of Unit 731 without an American present. The U.S. could not allow Ishii or his men to testify in the war trials because they could not risk leaking of their information under the questioning of the tribunal. The second reason for the protection of Ishii and his associates was “the precondition established by the War Crimes Tribunal in Japan that no prosecutions would be pursued unless a specific incident could be identified and a single person established as the responsible party.”¹⁰⁴ It could not be established that General Ishii personally ordered the death of prisoners of war through experimentation on a particular date using a particular agent: “It is not easy to determine the extent of either Unit 731 personnel’s or Ishii’s involvement in these episodes. What is certain is that Ishii did travel extensively throughout the war zones during the period. Several of the reported incidents do bear his operational trademark, but no substantive evidence connects either Unit 731 or any of its scientists to the attacks. Still, the first extensive field test of biological warfare or chemical warfare that can be attributed to Unit 731 occurred in 1939.”¹⁰⁵ Declassified position papers indicate a different opinion on how to deal with the question of immunity. The US War Department favored agreement to Ishii’s demands for immunity in documentary form. The State Department, however, cautioned against putting anything in writing, which might later cause embarrassment. The Japanese were

¹⁰⁴ Memorandum For Record, 5 May 1982, Department of the Army, RG 226, NARA.

¹⁰⁵ Harris, *Factories of Death*, 74.

told that the information would be kept within classified intelligence channels, which would be sufficient protection.

The information retrieved from the Japanese helped the United States to justify the experimentation being carried out during the war by our own scientists. Dr. Paul Hudson, who questioned the captured members of Unit 731, felt relief because of the testimony they were giving, it helped to ease his conscience. “The U.S. Army had injected experimental anthrax vaccines into 91 Japanese prisoners of war; this was in violation of the Geneva accords. The Army also had a wartime program to test presumably less harmful biological agents on American conscientious objectors.”¹⁰⁶ The US Army used Project White Coat in the 1950-1973 eras; it received volunteers from the Seventh Day Adventist Church to carry out experiments. A 1955 Army memo authorized a cover-up of any deaths from testing biological warfare agents on humans. Death certificates were to be filled out in general terms.¹⁰⁷ Before his death, Ishii Shiro presented 80% of his data to the United States. Harumi Ishii, points out this came after repeated requests and threats from the American government. Documents are now available that indicate the United States took the information to help develop its own bio-bacteriological warfare research center. This caused speculation that the United States took Ishii Shiro’s findings and developed weapons used in the Korean War and Vietnam War: Ishii outlined for the interrogators plans for nine different types

¹⁰⁶ Bull, “Many Nations Used People in Experiments,” *Saginaw News*, 1 October 1989.

¹⁰⁷ Bull, “Many Nations Used People in Experiments,” *Saginaw News*, 1 October 1989.

of porcelain bombs designed and manufactured by the unit for aerial germ warfare. The Unit had manufactured 3000 porcelain bombs, ceramic containers to be charged with germ infected fleas and other insects.

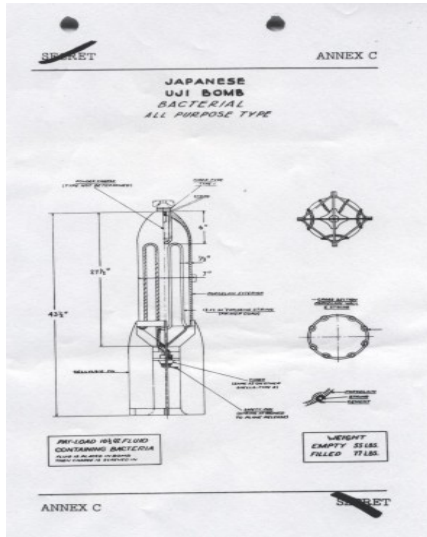


Figure 20. Diagram of UJI bomb designed by Ishii Shiro. Scope, Biological Warfare Activities and Capabilities of Foreign Nations, RG 226, National Archives and Record Administration. College Park MD.



Figure 21. Bomb China claims was used by U.S. during Korean War. Hal Gold, *Unit 731 Testimony*, 131

During the Korean War, the Chinese made accusations that American troops carried out germ warfare against the Chinese and North Korean armies along with the general population in North Korea. Masanori Tabata of the *Japan Times* reported on September 5, 1982, that these accusations had been reported by the state run New China News Agency in early 1952. They also claimed to have evidence that the U.S. military had “taken Ishii Shiro, Wajiro Wakamatsu, Masaji Kitano and other war criminals to Korea to wage germ warfare.”¹⁰⁸ Tabata also alleges that *The People’s Daily*, another Chinese paper, carried an article with photographs of germ bombs and bacteria-infested insects, which were dropped by U.S. bombers on populated targets in Northeast

¹⁰⁸ Masanori Tabata, “Legacy of Lt. Gen. Ishii Lives On-With American Help,” *The Japan Times*, 05 September 1982.

China and North Korea. The bombs had a strong resemblance to the UJI-type aerial bombs designed and manufactured by Unit 731 during World War II.

Testimony of Greg Rodriguez, Jr., the son of an American prisoner of war from Montana, states “His father was one of 4,000 former U.S. soldiers still alive today who spent time in Japanese P.O.W. camps during the Pacific War.”¹⁰⁹ American soldiers captured in the Philippines in 1942, were sent to a Japanese P.O.W. camp in Mukden. Here the Japanese subjected them to experiments according to testimony. Rodriguez also testified about his feelings of the deal for immunity made by MacArthur, “General Douglas A. MacArthur left his men in 1942 and sealed their fate in May 1946 by promising General Ishii immunity from prosecution if he would surrender the records of the 731st Unit.”¹¹⁰ He charged that this collaboration between MacArthur and Ishii was “unsavory to say the least,” and called it a “callous, culpable conspiracy, an American holocaust.”¹¹¹

Peter Williams and David Wallace use a quote from a Strategic Air Command report to FBI director J. Edgar Hoover in March 1956 in their book, Unit 731: Japan’s Biological Warfare In World War II. The references confirm that the United States knew of the experiments on prisoners of war almost as soon as the conflict was over. The authors also write “There is no question that the

¹⁰⁹ Tabata, “Legacy of Lt. Gen. Ishii Lives On,” *The Japan Times*, 05 September 1982.

¹¹⁰ Tabata, “Legacy of Lt. Gen. Ishii Lives On,” *The Japan Times*, 05 September 1982.

¹¹¹ Tabata, “Legacy of Lt. Gen. Ishii Lives On,” *The Japan Times*, 05 September 1982

American government corrupted the workings for the Tokyo Trial by offering an immunity deal in exchange for the scientific data acquired by Unit 731.”¹¹²

In an article in the *Oklahoma City Press*, Gregory Rodriguez, Jr. discussed a rescue mission to free American prisoners in China; “The records show for the first time that American intelligence operatives in China knew Americans had been transported to Harbin, site of the headquarters of the infamous Unit 731, Japan’s most notorious germ warfare unit.”¹¹³ In the article, Rodriguez outlined the plans for the rescue and he tells why they cancelled the effort. The operations code name was Flamingo. The preparations for the mission were to be completed by August 13, 1945; they were to be ready to deploy at a moments notice of V-J Day. Besides freeing the soldiers, they had orders to secure all Japanese documents, dossiers, and any other information that might be useful to the United States Government. The mission was cancelled, and the Americans abandoned the Harbin area when the Russians arrived.

Anyone with a sense of decency will be disgusted not only by these atrocities but equally so by the reaction of the U.S. Departments of War and State. The Japanese tortured and killed helpless prisoners in search of a cheap effective weapon. The Americans and British invented firestorms, the dropping of incendiary bombs on cities to cause great fires, and the U.S. dropped two nuclear

¹¹² Thomas Havens, Peter Williams, and David Wallace, Review of “Unit 731: Japan’s Secret Biological Warfare in World War II,” *The American Historical Review*, RG 226, National Archives and Record Administration, College Park MD..

¹¹³ Gregory Rodriguez Jr., “Rescue Mission Cancelled, American Left to Die,” *Oklahoma City Press*. 10 February 1994.

bombs on Hiroshima and Nagasaki. In such a climate, it may have seemed reasonable not to hold the Japanese to justice who were responsible for the biological experiments, but it remains a monstrous act. By acquiring at a fraction of the original cost the invaluable results of the Japanese experiments, have we not put ourselves on the same level as the Japanese scientists?¹¹⁴

By 1945, Japan had a huge stockpile of germs and delivery equipment that was superior to any other nation. The Japanese had gained this huge lead primarily because its scientists used humans in their experiments. 3,000 people were killed in their experiments at Harbin, where Unit 731 was stationed. This number is an estimate, the actual number is not known. Those who lived through the experiment were executed when they were no longer strong enough for more germ tests. Two other units, Unit 100 near Changchun and Unit 516, performed similar human experiments. There is no estimate on casualties at these two bases.

The evidence gathered by the Japanese greatly added to the American biological warfare division. The data saved the United States millions of dollars and years of work. The information gained could not have been obtained in an American laboratory due to scruples attached to human experiments. The information received from Ishii Shiro was secured for the price of 250,000 yen, a mere pittance by comparison with the actual cost of the studies.¹¹⁵ The

¹¹⁴ Robert Gomer, John W. Powell and Bert V.A. Roling, "Japan's Biological weapons: 1930-1945," *The Bulletin of Atomic Scientists*, (October 1981): 43, RG 226, National Archives and Record Administration, College Park MD.

¹¹⁵ Gomer, "Japan's Biological Weapons," *The Bulletin of Atomic Scientists* (October 1981): 43, RG 226, NARA.

pathological material, which has been collected, constitutes the only material evidence of the nature of these experiments. Dr. Hill made this statement about the scientist under Ishii Shiro's command, "It is hoped that individuals who voluntarily contributed this information will be spared embarrassment because of it and that every effort will be taken to prevent this information from falling into other hands."¹¹⁶ These records are the only known source of documented direct effects of biological weapons on man. In the past, it was necessary to evaluate the effects on man from data obtained from animal experimentation. The Japanese experts whom Dr. Hill hoped would be spared embarrassment not only used their human guinea pigs in experiments to determine lethal dosages, but often also, in their pursuit of exact scientific information, made certain that the guinea pig did not survive.

A memo by Dr. Edward Wetter and Mr. H.I. Stubblefield dated July 1, 1947, was circulated to military and State Department officials. The memo outlined the nature and quantity of materials being supplied by Ishii Shiro; they expressed some concern about possible political issues involved with the data.¹¹⁷ The memo also made clear that the Russians were believed to possess only a small amount of the technical data left by Unit 731. Wetter and Stubblefield stressed that a war crimes trial would force all the data to be made available to all nations. In the

¹¹⁶ Gomer, "Japan's Biological Weapons," *The Bulletin of Atomic Scientists* (October 1981): 43, RG 226, NARA.

¹¹⁷ Gomer, "Japan's Biological Weapons," *The Bulletin of Atomic Scientists* (October 1981): 43, RG 226, NARA.

interest of national security and defense, publicity on this matter was to be avoided.

In response to Wetter and Stubblefield's memo, Cecil F. Hubbert, a member of the State, War, and Navy Coordinating Committee sent a new memo on July 15, 1947. Hubbert agreed with the recommendations made in the earlier memo but warned of the possible complications that could arise due to the human experimentation. The International Military Tribunal in Germany had already condemned this action as a war crime. He also mentioned that leading German scientists and medical doctors at Nuremberg had been prosecuted for similar



Figure 22. Display of Unit 731 exhibit of scientists removing organs during dissection. Hal Gold, *Unit 731 Testimony*, 132.

experiments. He was worried about the possibility of the Russian's producing evidence of American POWs who were being used in the experiments which could lead to serious repercussions in the United

States. "Hubbert recommended some changes to the final paper, including the following casuistry: The data on hand does not appear sufficient at this time to constitute a basis for sustaining a war crimes charge against Ishii and his associates."¹¹⁸

"Associates of Ishii Shiro buried his data on the grounds of his estate, and he released selected documents to American personnel. However, in 57 years, no

¹¹⁸ Gomer, "Japan's Biological Weapons," *The Bulletin of Atomic Scientists* (October 1981): 43, RG 226, NARA.

one has suggested digging on the Ishii property to look for the data he withheld. So all the Japanese documentary information about Unit 731's 1943 visits to the Mukden POW camp remains unavailable, and American ex-POWs who have battled recurring illness for the rest of their lives have lacked the hard data to help them obtain the treatment and disability compensation they needed all these tears."¹¹⁹

On July 27, 2002, "the Tokyo District Court affirmed for the first time officially that the Imperial Japanese Army, including its infamous Unit 731 stationed near Harbin, Manchuria, had used bacteriological weapons and experimentation on Chinese, and that many victims died. However, the court ruled that the Chinese claimants could not sue the Japanese Government for damages caused by the suffering inflicted on its victims by the staff of Unit 731."¹²⁰ The systematic way the Japanese disposed of information pertaining to the victims has left it impossible to trace the victims names. "Available documents do not reveal whether anyone knows the names of any of the thousands of Chinese, Mongolians, Russians, and Americans whose lives were prematurely ended, men killed by massive doses of plague, typhus, dysenteries, gas gangrene, typhoid, hemorrhagic fever, cholera, anthrax, tularemia, small pox, tsutsugamushi and glanders; or by

¹¹⁹Holmes, "Unit 731 and Experiments on American Prisoners of War," 27 September 2002, RG 226, NARA.

¹²⁰ Holmes, "Unit 731 and Experiments on American Prisoners of War" 27 September 2002, RG 226, NARA.

such grotesqueries as being pumped full of horse blood; having their livers destroyed by prolonged exposure to X-rays or being subjected to vivisection.”¹²¹

¹²¹ Gomer, “Japan’s Biological Weapons,” *The Bulletin of Atomic Scientists* (October 1981): 43, RG 226, NARA.

CHAPTER 4

CONCLUSION

Ping Fan, Changchun, Auschwitz, and Dachau are all names of places where extreme crimes against humanity were carried out, yet some are more recognizable than others.¹²² While Nazi scientists were carrying out experiments on prisoners in concentration camps, the Japanese were waging full-scale biological warfare and subjecting human beings to horrifying experiments in Manchuria. General Ishii Shiro was working on a far greater scale than his German counterpart Josef Mengele. Compared to Ishii Shiro, Josef Mengele would have been only one of hundreds of similar workers in Unit 731, following orders. An example of the hypocrisy of the Allies following World War II is that they hunted Mengele down in the jungle like the animal he was. Yet many of the researchers of Unit 731 were professors of Japanese Universities and directors of Japanese medical companies and Ishii Shiro died in American occupied Japan fourteen years after the war.

As more information about the Chemical Weapons Division is revealed, the world will understand the horrors that the Japanese subjected the Chinese peoples to throughout World War II. The people of China not only suffered during the Japanese occupation of Manchuria, but also suffered from the desolation of the

¹²² Ralph Blumenthal, "Revisiting World War II Atrocities, Comparing the Unspeakable to the Unthinkable," RG 226, National Archives and Record Administration, College Park MD.

country that lingered for years due to the waste left by the Japanese chemical experiments. Japanese criminals escaped prosecution from World Courts by selling their secrets of chemical warfare to the West in exchange for their freedom. As for Ishii Shiro, “the head of Unit 731, was allowed to live peacefully until his death from throat cancer in 1959. Those around him in Unit 731 saw their careers flourish in the postwar period, rising to positions that included Governor of Tokyo, president of the Japan Medical Association and head of the Japan Olympic Committee.”¹²³ America has used these secrets to help build their own Chemical Weapons Department. Many of the weapons had been banned until the Japanese did the immoral work of human experimentation for American scientists. Furthermore, American soldiers used these weapons in Korea and Vietnam. In Iraq, American soldiers searched for weapons of mass destruction of the same type used in China sixty years ago, few have been found. President George W. Bush declared in his 2002 state of the union address the apprehension of such weapons would lead the United States and a coalition of countries to war with Iraq, this was followed by a United States Congressional order expressing the same view of the situation in the Middle East. “A trickle of information about the germ warfare program has turned into a stream and now a torrent. Sixty years after the end of the war, a rush of books, documentaries and exhibitions are unlocking the past and helping arouse interest in Japan in the atrocities committed by some

¹²³ Kristof, *Unlocking Deadly Secrets*.

of Japan's most distinguished doctors."¹²⁴ The legacy of cruelty, pain, and fear left behind by the Japanese Chemical Weapons Division under General Ishii Shiro still haunts the world today. There has been little effort to make restitution to the victims families who suffered through his barbaric experiments. Ishii Shiro is gone, but the results of his work are a threat to disrupt the free world today.

¹²⁴ Kristof, *Unlocking Deadly Secrets*.

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