

Technical transformations arose after World War II

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World War II ended, bringing about a lot of changes in the United States. The majority of the transformations that occurred after the war were for the betterment, but some did have harmful and adverse impacts on the state. The creation of many agencies, policies, and programs was done to bring about a change in the American government and society. As time passed by, the extent of changes the world experienced due to the Great War became more obvious. The World War II is known to be the bloodiest of all wars. The Great War brought economic, religious, political, social, and many other minors and major changes to the nation and the whole world (Sputnik).

It sounds like an understatement of the whole clash that the Great War completely transformed the world. But the fact is that it did. It brought about changes in almost every aspect of the nation, including technological advancement. Even after so many years since the war ended, the surprising fact is that the clash still carries on to influence the manner in which we live and in many other ways as well. The unbelievable truth is that most of our latest technological inventions are directly originated from the war. Though the time was displaying the worst face of humanity, it encouraged and established discoveries and inventions at a speed that has never been corresponded (Sputnik).

World War II and the technological advancements

While the war was still going on, and the capitulation of Japan was also four months away, the result of the war was inevitable. But before May, the parties who participated in the war were slowly gathering conclusions and revising their understanding of the war operations. Such a battle, which comprises powerful and strong parties on both sides, comes up with innovations in the art of combat. But the great World War II was extraordinary in this aspect. The variations in the configuration, equipment used, hardware, and the manner in which the forces were utilized were unparalleled in their choice and importance. Though World War I used warplanes, tanks, submarines, and much more, it still didn't bring that massive transformation as the second war did (Sputnik).

These transformations impacted not only the armed forces but also various grounds of individual effort. The technical rise achieved in the time of war postulated to a great degree, ensuing technical development and fundamental alterations in human life at all stages from worldwide to every day over the period of fifty to sixty years that came after. The pressures of the battle rapidly became indifferent from the sight outmoded airplanes and developments in the enactment of the innovative machinery manifested a qualitative rise in the Air Force, which became the distinct support of the provision proficient in doing planned operations. The arrival of jet planes at the expiration of the conflict made the rise still more intense (Sputnik).

There came a change in radio technology as well. The extensive usage of the dependable radio transmitters made the work easy by intensely refining the transmission of knowledge and responses from the staff. Joined with the improved agility of the land militaries, which made it imaginable to interpret and exercise the models of profound maneuvers. The efficient connection and communication among the various forces on the battlefield were due to the radio. The commencement of World War II nearly overlapped with the advent of the initial detectors in prominent nations, which were soon to bring about a radical revolution to the strategies and effective structure of all the armed forces, but particularly of the Navy and the Air Force. The advent of the radar, which radically protracted the prospect, and of innovative war planes challenged the primacy of big weaponry ships that appeared incontrovertible for centuries and had reached its top with the rise of dreadnoughts in the early 20th century. The aircraft carrier became a new, effective, and tactical strength and was reflected as a supporting sort of vessel earlier than in World War II. It expatriated the man-of-war from its place as the sovereign of the seas. It played the role of a floating airbase for loads of controlling equipment proficient in governing expanses of hundreds of kilometers around (Sputnik).

The underwater marine had received substantial appreciation at the time of World War I when it was already a power to be counted on, but now it also underwent a transformation. In twenty years amid the two great battles, the recital features of submarines altered slightly, but in the subsequent five years' time, they made a big jump forward. The surface vessels and the Air Force advanced quickly. The submarines became capable enough to remain below water for several weeks. It was a big step in the utilization of the submarines at the termination of World War II, which led to the arrival of nuclear submarines (Sputnik).

The expansion of radio-engineering, which soon developed into radio-electronics, headed towards the advent of weaponries that one could formerly only read about in science fiction. World War II also came up with flying missiles and tentative models of anti-tank missiles and anti-aircraft, steered torpedoes, channeled air bombs, and unmanned aircraft and machines. These included not just the flying equipment but also those that move on the ground, effectually the portents of contemporary robots, and consolidated air security systems (Sputnik).

Discussing the technological advancements that came up during or because of World War II, the emergence of nuclear weapons is mentionable, which drastically transformed humankind's approach to warfare and reconciliation. The drastic transformation of military technology has led to modifications in strategies and working skills. It wouldn't be an overstatement that virtually all contemporary combat propagates from the concepts that arose earlier in 1939-1945, such as the activities of joint entities, the adjacent interface of diverse armed services, commando actions, and the significantly improved position of "Navy against shore" maneuvers, planned intimidations, radio-electronic conflict, mass evidence, and mental combat, to refer only some aspects. The confrontation became accurately entire in the informational, mental, and practical sanities, radically varying the necessities to logistical sustenance. Neighboring states contested among one another to display their treasure. The automobile and the engineering diligences saw enormous escalations in evolution and

revenues due to these procurements (Sputnik).

All the technological advancements seen during or after the war can be classified into three groups: weaponry advancement, vehicle progression, and advancements in strategies. These transformed the face of the battle as well as the world after the war. Weaponry used in the World War I were not modern enough to cope with the latest environment of the war. They were made precise and were adept at longer distances. Vehicle advancement comprises ships, ground vehicles, and airplanes. This class of equipment had the most significant impact on the war. It was the basic means of transportation for the troops. The Jeep became a famous vehicle after the war and was then used by the public. Tanks were also the most important vehicles made use of during the war. They were created stronger, speedier, lighter, and more powerful. All the states involved in the war created their own latest models of tanks. War ended with a new type of tank which did not have big guns on it. Instead, it was a heavily armored vehicle used by the troops for transportation purposes. These advancements in technology originated from the war has come up with the revolution of the social media, and has also given rise to a very vital cultural phenomenon, i.e., the spiritual revolution (Sputnik).

Advancements in medical technology can't be ignored. The material for Penicillin was produced during the war, and later it became ready for use for the people all around the world. Penicillin has also been the starter for many antibiotics that are in use today for the treatment of simple infections so that they don't develop into deadly diseases. Medicines for the treatment of tropical illnesses were also made and were important for the United States to combat in tropical weathers. World War II became the origin of advanced technology in blood transfusions and the aviation medicine. Aviation medicine permits people to fly safely at high heights for a longer period of time. It became the cause of study in supplemental oxygen, safety belts, crash helmets, and night vision (Sputnik).

Conclusion

The war led to big and useful projects that couldn't be made possible in peacetime. It allowed people to come up with a different mindset. Though the purpose of the research was to come up with improved ways to destroy the enemy, lots of inventions and discoveries that took place after the war proved to be so much more effective at changing our lives. Navigation systems, jet engines, microwave ovens, computers, and many others were sourced from the technology invented or made better during or after the war. The changes and advancements we now see around us are due to the hard times of the battle the state went through (Sputnik).

Works Cited

Sputnik. "WWII: the War That Changed the World." Sputnik International, 5 May 2010, sputniknews.com/analysis/20100505158882709/.