INSTRUCTOR TRAINING DIVISION GENERAL INSTRUCTION DEPARTMENT THE ARMORED SCHOOL Fort Knox, Kentucky

ADVANCED OFFICERS CLASS #1

25 FEBRUARY 1947

MILITARY MONOGRAPH

TITLE: TANK DESTROYERS

SCOPE: A brief review of anti-tank history, and the operations of the tank destroyers in the E.T.O.

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TANK DESTROYERS

On September 16, 1915, The British introduced the tank into modern warfare. With the idea in mind that there is a defense against every offense, many minds on both sides were put to work at once to find a defense against this new weapen. The Germans developed the armor-piercing machine gun bullet. Both sides, to a limited extent, employed field guns is a direct-fire anti-tank role. These were the major anti-tank developments during the war. At the end of World War I, the tank was still the king of the battlefield and could ream almost at will.

Anti-tank thought continued after the war and generally paralleled the development of the tank. Since the trend in tanks was toward the light type, this produced a light antitank gun, such is our 37mm gun. The Germans were the exception to this and unvailed the new famous "88" in the Spanish Civil War.

During the early days of World War II, the Brithsh found that the most effective defense against the German tank was ambuch, since that emabled the anti-tank gunner to hit the tank on its flank which was more lightly armored. This was developed into defense in depth as we know it today. However, since they employed a light anti-tank gun, the heavily armored German tank, with its tactics of fire and movement, was not subdued. It was further found that, for anyone gun to survive the enclaught of the Blitskrieg, it had to be supported

by atleast one other gun. These two principles - defense in depth and mutual support - have been the basis of all later anti-tank destring.

At the time of the German invasion of France, General Marshall directed that a study be made with the view of finding an adequate defense against the tank. One of the consequences of this directive was the conception and development of the tank destroyer. Shortly after, the Tank Destroyer Center was opened at Camp Heed, Texas under the command of General Bruce. The mission of the Tank Destroyer Genter was net only to train the new tank destroyer units but to continue Fesearch along this line.

Since all new ideas go through a process of change to gain the desired objective, tank destroyer materiel and destrine underwent considerable change since the time it with first conceived. The first tank destroyers used in combat in Africa wast the N-3 half-track mounting a 75mm gun. Due to the gun's inability to penetrate the heavy German armor and the peer armer protection given to the persented by the helftrack, this destroyer gave way to the high velocity, flattrajectary 3" gun on the N-10 meter carriage. In many respects, this vehicle was similar to the N-4 medium tank, except that it had an open turnet and lighter armer. The gun was peyerful enough to destroy the German Pake IV tank- and the M-10 meter carriage effected the persented pretestion from small arms fire and shell fragments. As german armer was developed, tank destroyers had to keep page in order to meet the newest threat. In the Spring of 1944, the M-18 made its appearance. The M-18 was a full-track, highly mobile, lightly armored vehicle, meunting a high velecity 76mm gun. This was the first vehicle designed especially for the tank destroyers and is one of the finest track vehicles we have ever made. It was not long, hewever, before the Gorman Panther and Tiger tanks appeared on the battlefield and it was found that the 76mm gun did not have the necessary power. The M-36 was greated as the answer to these new German tanks. The M-36 is similar in appearance to the M-10, except that it mented the 90mm mati-mireraft gun.

Like materiel, the organization of the tank destroyers underwont considerable change in its early days. They were finally organized as battalions, groups, and brigades. The battalion was the tactical and administrative unit and was classified either as self-propelled or towed. The selfpropelled battalion consisted of headquarters and headquarters company, a recommissance company, three gun companies, and a medical detachment. Each of the gun companies had three plateons of four colf-propelled guns each, giving the battalion a total of thirty-six guns. The towed battalion was similar to the colf-propelled battalion in meat respecte, the main differences being that the guns were towed instead of colfpropelled and the battalion recommissance consisted of ealy two plateons which were a part of headquarters company.

The group was a tactical organization only and consisted of group headquarters, a headquarters company, and two or more battaliess. Normally, ese group was attached to each corps.

However, in combat, the group exercised very little command function over the battaliens since the battaliens were usually further attached to end of the divisions of the corps. The enly time that the battalien I was with operated under a group directly was when we were attached to VII Corps. In this case, the group had the mission of protecting the rear echelon of corps against possible parashute attack. The battalien was ordered to establish road blocks and maintain patrols in denjunctions as the tank destroyer section of the corps or in close comparation with the tank destroyer section if such a section had been not up by the corps. In practice, the rele of the group was to act as advisor on tank destroyer matters, as coordinator of tank destroyer employment, and as general supervisor of sati-tank defense.

The primary mission of the tank destroyers was the destruction of enemy armor. It was for this purpose that they were organized and trained. It was believed that the best way to accomplish this mission was to hold the battalies in division or sorps reserve until and many armored attack appeared innihest. During the period that the battalies was hold in reserve, it made a therough recommaissance of all likely avenues of approach and the selection of positions to repel any attack caming through these approaches. As seen a the direction of the attack was determined, the battalies would move to the previously selected positions and await the tanks. It was found that we could beat the Germans this way.

but could not, because of our light armor, slug it out with them. Our motto was " Sook, Strike, and Destroy." The " Sook " was made by recommaissance and intelligence - the " Strike " by hitting the enemy on the flank as he entered our position and the " Destroy " by sutting him off by fire and delivering massed, clese-range, direct fire on him.

However, by the time that we landed on the European continent, the Germans had suffered tremendous tank lesses and their production of tanks was seriously hampered by the strategic bombers. The large scale armored attacks of the Blitzkrieg had practically consod. Instead, the usual tank formation seen consisted of from two to ten tanks. In view of the reduction of the size of the stacking armored force. it was no longer necessary to employ the tank destroyer. battalion in mass with its tremendous fire power. It was found that a company, or even a plateon, preperly employed, had no difficulty in overcoming this new type of German tank attack. Therefore, it was generally decided that the tank destroyers should furnish close anti-tank support to the front line units. Thus, the companies were attached to the regiment or the nombat command, and, often, the plateons of the company were further attached to the battalions.

This, efceurse, made a considerable change in the employment of the tank destroyer battalies beadquarters and the service elements. If the division did not have an anti-tank efficer, the battalies commander functioned in this capacity under either the artillery commander or the G-3. Bither be er

one of his staff officers made frequent visits to the regimental and battalion beadquarters not only to recommend but to supervise the employment of the tank destroyers. Very often, it was found to be most practicable to have a staff officer stay at the regimental command post. This officer would act in the dual capacity of liagon officer and commander. Whenever a troublespot was encountered, the tank destroyer officer was right on the spat to becommend employment as well as to receive the orders. He would then radie the orders to the company or would have the company commander report to him so that he eould give the company commander the situation and mission while the company was being moved up.

The jeb of the service elements of the battalion became more difficult. The companies, under this plan, were usually rather widely spread out. It was necessary, therefor, to plan and maintain two or three different routes of supply and evaluation. This, plus the fact that many supplies and services easily be obtained only at army, kept the persennel of the service elements going morning, seem, and might.

Then the tank destroyers were in direct support of the infanter, they had to be as close to the forward elements as the terrain would permit. In general, this meant that the tank destroyers would everwatch the infantry from positions 100 to 500 yards to the rear. A careful but rapid recommaissance of the terrain was necessary to do this since the destroyers always attempted to get some defilade or sever, as well as geed fields of fire. In the final analysis, the position

chesen had to be one from which the tank destroyers could destroy the enemy tank before it could overrun our own infantry.

In order that the tank destroyers could intelligently ecoparate with the infantry, close liason was essential. Being the supporting arm, the plans of the tank destroyers were, of necessity, based on these of the infantry. It was, therefore, essential that the tank destroyer officer advised the infantry on the capabilities and limitations of the tank destroyers before the plane were made and the sembat orders were issued. Further, the tank destroyer plane had to be tied into the anti-tank plan. In order to do this, the tank destroyer command post was usually innediately adjacent to that of the infantry and the tank destroyer became a member of the special staff of the infantry commander. Communications, radie, telephone, and messenger, were constantly maintained between the two.

The role of the assault gun anturally developed from this slose front line support. Toward the end of the war, this became the most commonplace mission of the tank destroyers. Two were fairly well suited to this rele because of their mebility and tremendous fire power, as well an armor protection. Here, the slowest comparation possible was massessary. We berrowed a sufficient number of SCR 300's from the infantry so at to be able to install one in each plateon leader's destroyer. We also put a EE-8 telephone on the owtside of each destroyer for communications with the infantryman on

the ground. Further, whenever resistance became speradic, the infantry would ride on the backs of the destroyers, thus insuring even closer geoperation.

An ample of this close cooperation and how the tank destroyers operated as assault guns was had by one platoon in the visimity of Mariealah, Germany. One of the destroyers was brought under tank fire as the town was approached. The infantry immediately jumped off the destroyers and the destroyers hurriedly sought the best available firing positions. The tank, a Mark IV, was soon knoaked out. The tank destroyer platoon then took the buildings in the vicinity of the tank under fire with HE ammunition. A considerable number of the eveny infantry wore flushed out and were immediately killed or captured by the accompanying infantry.

When the tank destroyers supported an armored unit, they yould be employed in much the same manner as when in support of an infantry unit. They formed the base of fire for the assaulting tanks and overwatched them to the objective. Often, in the assault on a town, the tank destroyers would swing around to the back of the town and take positions from which they could slose the enemy's avenue of retreat by fire. Also, they were frequently employed as the flank guard for the armored division.

The tank destroyers were a welcomed attachment to cavalry units, primarily because of their fire power and punch. They were employed by the cavalry either in a close support rele or to greatly increase the power of their reserve. When an

important readblock was established, you would usually find the tank destroyers there reinforcing the cavalry troops maintaining it. They were also used to quickly knock out any small stubbers resistance that would otherwise delay the advance of the cavalry.

The normal deployment of the division was to attack with two regiments abroast and one in reserve. This meant that the gun company attached to the reserve regiment was idle, that is as far as its fire power went. Also, it was not uncommon for the entire battalien, or a part of it, to be held in corps or division reserve, in which case a number of guns were silent.

Since a large properties of the tank destroyer efficers were field artillery efficers, they began to think of the pessibilities of using the battalion on indirect fire missions. This line of thinking was encouraged by most commanders since an idle gum is a wasted gun. The method of such employment was worked out with the assistance of the artillery. In the Spring of 1944, indirect fire became another of the missions of the tank destroyers.

Originally, it was contemplated that a tank destroyer plateon would be attached to a field artillery battalion for eperations. In practice, however, this did not work satisfactorily because of the differences in the guns and the fact that this would spread the battalion out over such a large area that it could not readily be assembled for its primary mission. In order to meet these objections, each

gun company organized and trained a fire direction conter, a survey crew, and a wire crew. The persennel for these various crews were taken mainly from the security section of the company and operated under the direction of the company executive efficer. This meant that the company could be fired as a unit or that one plateen could be used in indirect fire at any one time. The targets were generally designated by the field artillery battalies to which the company was attached.

In a few cases, the battalion set up its eva fire centrel center and operated directly under division artillery. During the halt, just prior to the crossing of the Rhine, such a plan was adopted and utilised by my battalion. We had a plateon from each of two companies in indirect fire positions during this period. The battalien 5-2 and 5-3 sections operated a fire centrol center. Here the targets were pletted as directed by division artillery and the fire missions were assigned to the companies. While this was mainly for practice and training, it was proven to the satisfaction of all that the battalion was capable of operating in this way.

"In the crossing of the Reer River, the tank destroyers were employed in indirect fire as well as direct fire. During the early hours of the assault expessing, fires were placed on enemy positions and installations across the river using indirect laying methods; in most cases, ranges were from 2,000 to 3,000 yards. Fires for the initial assault were scheduled. Targets selected were enemy assembly areas or avenues of appreach which had been determined previously by

infantry patrols, perial photographs, air observation, reconnaissance company (tank Destroyer) observation posts, and from G-2 information. Targets were plotted on the map by inspection and firing data computed; indirect fires were delivered during hours of darkness. As the infantry advanced up the escarpment, scheduled fires ceased and all fires were delivered on call from the infantry. Contact with the infantry was maintained by recommaissance company personnel, equipped with radies, whe crossed with the leading infantry element During the assault creasing and the establishment of the bridgehead, tank destroyer guns were in indirect fire positions reinforcing division artillery fires in the corps sector. Targets selected were these suitable for harassing and interdistion fisss, such as towns, reads, and road junctions. All fires were scheduled. Tank destroyer guns also fired illuminsting shells according to a scheduled fire plan for the purpose of illuminating and directing the mevement of the assaulting infantry." 1.

While the destructive effect of the tank destroyer bhell was not as great as that of the 105, its harassing effect is believed to be greater since the Righ velocity shell gives ne warsing of its approach. Also, the range of the tank destroyer was considerably greater than that of the 105 - approximately 14,000 yards with both the 3" gun and the 76mm gun and 19,560 yards with the 90mm gun. This made it suitable for harassing fires, interdiction fires, and reinforcing fires. The tank destroyer gun was able to relieve the 105s of a 1. T D Information Letter #6 Hgs 1st T.D. Brigade

number of their longer range missions so that they could be more effectively utilized in close support of the infantry.

Due to the absence of an armored, high velocity weapon other than the tank destroyer, still another mission was given to the tank destroyers - the mission of destroying pill-bexes and other fertifications. Since most of the forts encountered were found to be mutually supporting, the plateen was employed as the working unit. Two guns were placed in position to bring fire on the embrasures of the forts, while the other two were in an overwatching role. This prevented the Germans from maming their weapons while our infantry advanced the assault parties on the blind side of the fart to be kneeled out. When the infantry were in their final assault positions, the infantry commander would lift the fire of the tank destroyers. This was usually done by radie but various other types of vusual signals were used. The M-10, with its 3" gun, preved to be an excellent weepon until the advent of the M-36, with its 90mm gun. The 90mm gun would penetrate 3.8 of concrete at 1,000 yerds with one round. From three to ten rounds were generally used to obtain a complete penetration Hevever. the maximum effort was made to secure firing positions from which the embrasure could be hit and it was not usual to attempt to penetrate the congress of the fort. When firing st the exbracers, it was often only necessary to get one hit. This would generally jam the shutters or would ea ise considerable

2. FN 101-10

flaving on the inside with consequent casualty effect. Whenever a penetration was made, a quick round of HE would bring the crew to its knees. One of the best knewn eperations of this type took place at Cherbourg. The infantry hit a particularly difficult fort which they were enable to approach because of the intense machine gun fire from other ferts which were so located that fire could not be brought en them. The tank destroyers were called up and immediately placed their fire en the steel door of the fort. The American cemmander then called on the Germans to surrender. The answer was that General won Schleiben, the defense area commander, Admiral Henneks, commanding maval forces in Fortress Cherbourg. their shefts, and about 800 other Germans capitulated. This was, wirtually, the end of the defense of Gherbourg.³

Our first mission, after leaving the staging area, was one that was unusual in the E.T.O. but was commonplace in the Pacific. We were assigned the Mission of pretecting the southern coast of the Getentin peninsula from possible attack by the Germans accupying the Jersey and Guermey Islands. Gantact was detablished with the G.I.C. and the Navy. From these sources, we learned that the Germans were incapable of any large size attack. They had sufficient personnel but they had only a few anall fishing smacks and possibly a few midget submarings. Hewever, since it was believed that their food eupplies were almost exhausted, it was very probable that they 3. T.D.s in Europe by Major A. A. Blinm - Mil. Rev. May 1945

might stage several raids in order to get at the than wast dumps that were located on the Cotentin peninsula. After a thorough resonnaissance of the area was made, the sector was divided between two gun companies. The third gun company was held in reserve. The guns were emplaced on the commanding ground along the coast with each gun supported by at least one other. They were further tied togehter by patrels. It was also found that a British maval radar station was operating is our area and we established telephone communications with it. While we were on this mission, I Seard my first newscast from Germany. The newscaster was saying that the German troops on the Jessey and Guernsey Islands were performing a very important mission in that they were keeping thousmads of crack American troops tied up on the Getentin Peminsula guarding the dumps.

There are probably many other missions that were performed by the tank destroyers; hewever, I believe the foregoing missions were the most important or at least the more commonplese. The tank destroyers were one of the most versatile units on the battlefield. They not only performed many varied missions but often found themselves performing two or three of them at the same time.

The tank destroyers have passed into history. However, recently one heavy tank battalion was made organic in both the infantry and armored divisions. At present this battalion is to sensist of headquarters and headquarters company and three gun companies. Each of the gun companies will have four plateons equipped with N-26 tanks in each. I believe

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that these battalions were created to fill the job that was performed by the tank destroyers during the war. If this belief is correct, the officers in the new heavy tank battalion will do well to study the history of the tank destroyers thoroughly and prefit by their experiences.

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