OCTOBER 1956

Elements of TARBUR DEFENSE

By ENS Wilfredo D. Viray, USNA

PHASE of naval warfare that has not yet been perfected into a science is harbor defense, because in it, all the factors are constilled, the depending, among others, on the geography of the coastline, the availability of materials, and the intensity of the attack expected. It is not the aim of this article to lay down any form of harbor defense doctrine, nor go into the mechanics of implementing one; rather, it is aimed at presenting a clear-cut discussion of the subject based on lessons learned from actual combat. Amphibious assault doctrines have been formulated after the success and failure of amphibious operations during the early times and the first and second world wars. One way to effect a good, strong harbor defense, then is to curtail the effectiveness of all the phases of an amphibious operation.

must have a predominance in air where least expected. aircraft and AA fire.

moved as easily as they could be reconnaisance planes and UDT's should be situated in such a way. In the experience of the United that they can be made to bear on States Navy in amphibious operabor and, afterwards, actually start were studied and evaluated. destroying its defenses.

In the face of a much superior Hence, either of two ways could be rines and dug-in the mainland,

An amphibious assault requires the the beach; secondly, mobility-when utmost in surprise coordination, and faced with a much stronger enemy striking nower in order to be suc, the inferior force should be versacessful. Also the assaulting forces tile and fast striking when and

power, support ships and assault A harbor defense perimeter should troops. Superior air power is impe- be treated in a most confidential rative as air supremacy can com- manner inasmuch as prior knowlpensate for any deficiency in troop edge of the enemy of the defense strength and/or support ships, but set-up will make it possible for them the opposite is not true. For a har- to make an accurate estimate of the bor defense to be effective then con-situation. Concealed mechanical detrol of the air is mandatory, through fenses and gun emplacements should not be known to the enemy until An undefended harbor defense is these things have achieved their objust like a closed gate that can be jectives. Enemy reconnaisance will opened at will. Cement embank- come both from the air and the surments, nets, booms and barbed face. Secrecy and surveillance, as wires could be demolished and re, well as striking power will keep the placed. Well-concealed field guns guessing and away from our shores.

any enemy unit attempting to re- tions, there has never been a beach move the installations. A close sur- head that has not been taken. This veillance of the area will insure the has been because the requirements detection of UDT's (underwater de- of a successful amphibious assault molition teams) when these start previously cited have always been their intelligence study of the har-fulfilled. The mistakes in Saipan succeeding attack on Tarawa indeed successful as far as casualenemy force, any harbor defense can ties and time element were conachieve only a delaying action. No cerned. The staggering number of defenses could withstand the force deaths in Iwo Jima was, percentageand impact of a pre-D-day shore wise, reduced considerably because bombardment and close and distant the Japanese virtually conceded the air supports of a stronger force, beachhead to the United States Ma-

adopted; first, concealment - keep. The Japanese doctrine on coastal ing one's own armaments silent till defense, if any they had, was mea the most opportune time to fire has ger and inadequate to meet the shock, arrived, say during troop debarka- impact and rapidity of a welltion or when the landing crafts hit planned amphibious assault. The OCTOBER 1956



he a good and similarly well planned system of harbor defense. Surface craft shown above may be used to support the system.

Japanese had one consolation: they duty and all their characteristics and been derived from them.

plation of a harbor defense support. should be secured. Let us use whated by these surface vessels can be ever we have the best way we can. considered sound. However, in so "One bowman, placed on a wall,

were against overwhelming odds armaments are made to give that that defeat was inevitable. They type of vessel every advantage poscould stall, they could fight to the sible. Most of our crafts are delast, but they could never win. Their signed for ASW, an offensive task wealth resources were almost drain- more often than not, and shifting ed toward the end of the war, and their assignment to one of a defenthe materials available to them most sive nature could very well mean certainly offered the maximum but the inefficient misallocation of surinadequate resistance that could have face forces such as the Japanese did with their aircraft carriers and The Philippine Navy is built more submarines during the Second World or less around a striking force made War. A criterion is very hard to up of patrol crafts, gunboats, and arrive at. A compromise between submarine chasers, and any contem- logistics and the operating forces

doing, the purpose for which some is a match in war for a hundred of the types of ships have been con- enemies, and a hundred for ten thoustructed will be defeated. Ships are sand; therefore, a fort is recomdesigned for a particular type of mended," wrote Sir William Jones in



Naval cadets receive instructions in steering vessel. Later they are made to apply what they have learned by doing things themselves. Above, cadets, under guidance of PN personnel, steer a vessel in Manila Bay

the Ordinances of Menu, published lery units that could be transported in 1805. Such was the doctrine in from one vantage point to another. early times. Today, there is no These artillery pieces stood guard thing more vulnerable than a fort: over the defensive minefields that there is nothing more fatal than to were indeed very costly and most have one's back against a wall with dangerous to clear. the enemy in number after him. The times have changed. New doctrines doubtedly make the fire control of have evolved, but the concepts are still the same

Today, a fort is a defensive minefield laid with utmost secrecy and in a manner most difficult for minesweeping operation. The threat of a minefield alone will go very far in harbor defense. There is nothing more detrimental to the morale of the enemy. The minefield should be a combination of several types of mines laid in a definite, accurate pattern so that several enemy sweeping operations will be required to clear it.

A fort, at present, is also a mobile unit of field artillery concealed the best way possible. The failure of the Carden Plan2 for crossing the Dardanelles during the First World War could be attributed to the brilliance of Col. Von Saunders of the German Army in employing artil-

Mobility and concealment will unenemy support ships extremely difficult if not possible. Minefields, like the nets, booms, embankments, and barbed wires previously mentioned. to be effective, must be closely guarded and supported by guns, both close and long range, if possible.

A harbor defense should be the last resort of any power. Any country caught with its back against itself is doomed to lose. Let us build in any way we can a striking force that will keep the enemy away from our coasts, even if it be temporary.

¹ Cdr Liberato Picar, first PN officer to graduate from the Harbor Defense Offi-cers Course at the US Naval School Command, Treasure Island. Other officers who subsequently completed the course were Lcdr Marcelino Calinawan and Lt Alfonso Montiel

² A four-step plan submitted by Admiral Carden to the then First Lord of the Admiralty Winston Churchill. It provided for minesweeping operations and the reduction of the forts and torpedo tubes at the entrance to, and along, the strait, done in steps.