Seversky: Victory Through Air Power

ure in reverse: operations ss the English Channel could carried out successfully because air was in British hands.

be carried out successfully because the air was in British hands.

NAZI WARSHIPS

Similarly, the only reason for Nazi warships Scharnhorst, GoneiSimilarly, the only reason for Nazi warships Scharnhorst, GoneiBrest in February, 1942, and passthought the Straits of Dover wasthought the German threw a powerdid campy of land-based air power

Because of the surprise element, and weather conditions, the time
interval was too short for the
Fighter Command of the RAF to
break that camps.

Without the
rearrier was the strain of the control of the conditions, the lime
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riority at that poss.

In the shipe was futile.

IN THE FACEFIC

The Pacific struggle presents the same general picture. In the same

2. Navies nave contentions the contention of intrategic offensive. No less obvious is another tactical reality, namely that navies have less their former function of the contention of the cont

Bovs'

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One of the United States Army planes that has proved its superiority over carrier-based aircraft is the powerful Martin B-28 bomber tused with great effect as torpedo carriers as well as bombers in the Battle of Midways. Planes such as the B-26 are forcing navies into an ever-narrower area beyond the reach of land-based aviation.

ores in the Phuppaners of combat has been arena of combat her been arena arena of combat her been arena of combat her been arena arena of combat her been arena of combat h

Those who urge premature invasion of the European conti-pent should ponder this fact.

In Europe, as in Britain, the question of who owns the air must be answered first. There are no short cuts. 3. The blockade of an enemy nation has become a function of air power.

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power, that can no longer be done. Defensive attriant can make it in possible for warming to approach the possible for warming the possible for warming to approach the possible for warming the possi

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Clearly, therefore, the striking power and other performance em-bodied in a land-based bomber cannot be incorporated in planes operated from any practical float-ing base. FIGHTING PLANES

FIGHTING PLANES

The same conclusion is inescapable in regard to pursuit or fight able in regard to pursuit or state of the pursuit of the pu ADDITIONAL ARMOR

power, e hope that anti-aircraft ar-r, balloon barrages, or other .ne mope that anti-aircraft ar-licry, balloon barrages, or other phrovised terrestrall defenses on nd or on ships could form a sitive protection against attack om the air has by this time en largely abandoned.

such devices can confine the current by the base of the confine the enemy to higher allitudes, thereby reducing the accuracy of his aim, it offers a supple-mentary hazard to the attack-er, but is a palliative at best, not a cure.

not a cure.

The lesson that only air power an defeat air power is especially ecommended to the attention of lose who still like to fool themelves with theories of "defensive"

SHIP DEFENSES

The notion that ships can carry their own defenses against hostle aircraft in the form of anti-air-rraft guns, balloon barrages, or even ship-based planes, is no long-er seriously defended except by the stubborn or biased.

stubborn or blased.

Not all their anti-alrerafilefenses could save the Britlefenses could save the Britle of Crete from overhead
unishment. Despite its firstlass anti-aircraft fire power,
for fillustrious was put out
circman battleship Bismarck
uniforman battleship Bismarck
total attack.

could Britain's Prince o and Repulse or Japan' a drive off aerial destruc with their own anti-aircraf us on the seas, as on land

ways superior to ship-borne aviation.
The construction of the sare purely of the explainment of the same and aerodynamic nature. The airplane taking off from an aircraft carrier is of necessity encumbered with special perceptions which are built in at The limitation of landing space, for instance, necessitated by, the critical anding area or rough sea, is achieved by reducing the wine special properties of the same special properties of the same special properties.

FOLDING WINGS

FOLDING WINGS
Since it must be accommodated to the elevator of the carrier ship, folding wings are called for. This in turn entails more mechanical and another loss in performance.
This vicious circle which concerns the ship-borne plane to relative inferiority is manifest in most oliter phases of design. Ar-

Another important factor needs to be taken into account. The war has taught us that the safety of, an aviation base lies in dispersement.

rpedio.

Its land-based counterpart,
the twin-engined bomber, carries two tons, or could be constructed to carry two torpedoes.
The land-based flying fortresx
carries four tons of explosive
over a range of 3,000 miles.

ARGER TORPEDOES
Unhampered in landing speed or dize, these bombers must always exceed ship-based bombers in performance. Owing to the greater lifting capacity of a land-based lane, it can deliver torpedoes of wastly greater size and destructive preference.

plaine it can deliver torpedoes of vastly greater size and destruc-tive power. Probably that explains why the Bismarck, attacked by torpedo plaines from carriers, was only crippled, whereas the Prince of the property of the prince of the shore-based torpedo planes, were swiftly sunk.

AIRDROMES

The carrier or floating airdrome provides, on the average, a landing space 100 feet by 759 feet. For contrast, the latest airdrome on constructed sepecially to enable bombers to take off safely with heavy overlonds, has a concrete runway 1,200 feet wide and 10,000 feet long—approximately (en times the take-off area available to ship-borne bombers.

hip-borne bombers.

The heavy bombing plane of the immediate future, patterned after the B-19 or the Martin Flying Boat, will have a span of 200 feet, or twice the beam of the average batterned with a 200-feet operadhave already been projected.

LARGER TORPEDOES

AIRDROMES

restone Extra Values



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range. The carrier based plane. It adapted to a land base, excels in speed, range and fire power and defensive armor. This margin of advantage must hold good no material results of the control of the co True, one naval air arm may be better than another — in

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ONE BOMB

A single well-placed bomb can bottle up an entire complement of airplanes, or prevent the whole complement from returning to was the case with the British carbier Illustriols, off the shores of Sicily.

Sicily.

Sicily.

The carrier is crippled and significant against the support and significant against the support offered by land-based available. sciors for military purposes.

SOMB LOAD

In relation to bombardment visition, one does not need to be the state of the st

In temorrow's News Sever-air power lessons for America-sky continues his discussion of





1.19

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