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CARD OD FINES, PASE, OFFICE OF DEPARTMENT Washington THE CHIEF OF. OF NAVAL OPERATIONS 25, D. C. TIE AAVN

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CONTENTIAL

From: Chief of Naval Operations

o: Distribution List

Subj: The Navy of the 13/0 Era

Ref: (B) Statement of U.S. Navy Long Range Objectives 1907-72 (LRO-57)

Encl: (1) Copy of subject statement

- reference, reflecting recent developments. To this extent enclosure modifies and supplements reference (a). views regarding the desirable long range posture of the Navy, in relation to the nation's needs. Conceptually it is in full accord with reference (a), which remains in effect as the basic and more detailed statement of Navy long range objectives. ment enclosure Enclosure enclosure adds to reference (a) a more comprehensive st of future numerical objectives, for ships and aircraft few instances these numbers are revisions of those in (1) is a statement in condensed form ္ဌ present statethe the
- two objectives: The enclosure is approved for wide distribution to meet
- reference (a), which will be used freely to provide all officers with a broad perspective of where the Navy is heading, and why. a. To provide a reference (a), which source, of lower classification than will be used freely to provide all o
- the of the service. To provide material useful in interpreting the future, and its value to the nation, to persons Navy outside

/s/ARLEIGH BURKE

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COMPREHENTAL

THE HAVY OF THE 1940 BEAL

programs for aircraft and missiles, bof the latter programs is in process. program has been brought int approved year shipl tion of a dite shipbuilding program. a three-year study, the Chief of Haval Operations long-range objectives for Havy weapons and forces, over or margord been brough 1072. The ten-year shipbuilding been brought into accord with these objecti CWO yerrs the a large Havy has In Luguet 1987, as the culmin the Chief of Haval Operations extent defines our sciles, but further had an approved tenthe culminarefinement ten-year objectives.

range continuing review. therefore foreseeable. recognize threat, e objectives present a picture of the future Havy which remain valid, and toward which we can safely build. I describe that Havy in broad terms. long-range objectives and programs are s and basic situations which change slowly. We believe that in their broad elements our longe that technology, and changer will later require revisions . We keep the objectives and But these objectives are and changes in and programs under which are now unfounded on not

I will start by describing in two capsules the broad national military problems of the 1970 era, to which the posture of this future Havy must be adapted:

First, the United States must have to deter all-out war. This means above nuclear retaliatory forces which cannot surprise attack. be knocked out a guaranteed ability all that we must have

this without provoking all-out war. I say this because an now talking about 1970, and with the weapons of all-out retaliation will be unthinkable as an answer whatever scale the Soviet bloc is able to wage it, and that is now a very large scale. We must be able to do the more certain the become. We must be anything but Second, the an all-out more the able threat certainly we can deter all-out war attack. of limited aggression will defeat limited aggression aggression will say this because answer to OVET TIO TIO

Leainst this background a warre 1979 period, which we are aiming this background I will describe at. the

It will be a Havy of over 300 saire, and about 1000

submarines, 1 mod 1 50 of with nuclear these ships will be missile power. launching



forces. About 30 ut 30 of these ships will be in our surface striking Over a third of these will have nuclear power

Lbout 400 ships will be in our anti-submarine for which will also defend our sea commerce against air at about 75 of these will be submarines, almost all with nuclear power. ships will be in our anti-submarine forces air attack.

About 90 ships will be required to two liarine divisions. provide amphibious

required Lnother for mine warfare and coastal hundred ships, mostly O.F patrol tasks. small 02400 Will

tugs, and other top fighting Finally, there will be about 200 supply ships, tenders, and other auxiliaries, to keep the fighting ships in trim.

sance types. striking forces. Of our '0000 aircraft about sircraft about 1000 will belong to These will be fighter, attack and reconnais-

planes, and helicopters. warfare. Lbout These 1500 aircraft will will include large patrol planes, carrier be assigned to anti-submarine

inother 1100 will be fighters, attack planes, and transports assigned to the Harine Corps. is many of the possible will be able to take off and land vertically. attack planes, and assault orps. Ls many of these as

support of the combat forces, for training, and for research, development, test and administrative activities. aircraft required for

MOM I described earlier. let me This is is the shape of our planned Havy in broad outline. go back and relate the pieces to the national nee to the national needs

marines, barrassed about first place, unlimited strength to deter. This is retaliatory force is secure -- if it which promises the same security against surprise the whole 10 strength Of our deterrence problem of 1070. and a few of their tenders, directly to the national deterrent mission by the moment we know of no land-based weapon 000-odd ships we relate only the out the smallness of this proportion. we are not planning that the Havy wi to an initial attack. ind in the second place, it does not to deter. This is particularly true if secure -- if it doesn't lose most of ne Havy will accomplish itself -- even 50 missile attack that all emall-out program em-OÍ



could put 300 of the soo of them would always be at sea, submerged, their location unknown to the potential aggressor. These 300 missiles alone capable of destroying a hundred or more cities -- would give pause to any rational aggressor. In 1970 the some 300 thermo-nuclear missiles at 50-submarine program we are talking about sea l would give

its retaliatory eggs in one basket. vulnerable systems will eventually have small, very precise missiles which we can also use progressive tactical purposes. includes about and a round dozen smaller I believe our And so, while we could make ourselves look ultra-e by padding our objective with more missile sub-believe our approximate number of 50 is adequate. do not believe the United States should put 40 submarines to use the POLANIS ballistic dozen smaller boats which by 1970 should be developed by 1-1 assume that the other

has not diminished with Sputnik trained with modern arms. larger and more modern -- and of the future military posture must which these forces hold over us. the urgency and limited added the Опе The reason why we resist inflating our the Soviet capability objectives can be waged on land, satellite forces, steadily being re-equipped and modern arms. The Soviet Navy continues to grow vast Soviet armies and tactical air forces must magnitude for waging and so do the of the limited face (- and meet them nay satellite navies. retaliatory forces War still ្រ. ប 5 the sez, massive. problem. be increasthreat or in the

thick of Mowever the limited war of 1070 may be fought nave already said that all-out response is no safe this threat -- the Navy must be prepared to be the Navy must be prepared to be in the answer

quickly an there for exert a third country. A war of limited objectives, by definition, will not it in the U.S., or in the U.S.S.E. It will be fought a third country. To help that third country we must anour other and get it protracted periods. capabilities: rewor side of some 1 ashere limited and discriminating some ocean. We must get it quickly. We cannot do these We must get it We may nave to supply it power there things with-

First, a capability to control the surrounding the area of aggression -along which we are threatened or harassed. sea routes to and any other sea

using weapons appropriate flicting minimum harm on Second, a capability to strike within appropriate to strike our friends ashore. precisely to the sca the scale of the and with discrimination, the war, and in-



the mard, a cal area against capability to put forces promptly whatever resistance there may ashore

gression without incurring unlimited catastrophe. meet The t these needs -- to provide the spearhead and for the free world's ability to defeat limited great bulk of the planned Havy of 1970 spearhead and بر D designed **–** 60 61 the

The forces for these purposes must be large, because:

First, the enemy's forces will be large.

lines - control. Second, itself requires the extent of the oceans large forces Ç and their assure their

quantitative ₩e cannot throw megaton weapons around to ve weakness in this type of war. cover

ships and 1300 for the air anti-submarine warfare largest defense of shipping. These forces 300 aircraft -- will include: aircraft dronb of forces will be those required 1 offensive and defensive Some for 00% and

- V anti-submarine carriers and their aircraft
- 1 nodil ಧ esout long-range patrol aircraft in the Naval Reserve squadrons, plus
- About 75 anti-submarine submarines
- 1 nody ر: وي destroyers, most of them with guided missiles
- about 04/2 missiles for air defense, and all equipped either with anti-submarine helicopters or escort and picket vessels, some of radicall new design, nearly half of them with guided anti-submarine missiles of radically

saips or routes. protective submarines These merchant shipping. tective lines off be They will convoy military forces in the lines will be open ocean. beachheads, or seek out and hunt flexible. They will support transports or They will landing protect naval forces, Supply

defense our defend own invulnerable against the Thile l also, and I of United States our main defense алу form of deterrent forces, and of nuclear attack I emphasize against against missile this, such attack and 0 က မာ• launching equally useful while impossible, છ Bust total **-**dns We

cannot, and do not intend, to leave any enemy a free shot at us. The anti-submarine forces I have listed can give us excellent warning of submarine attack and can impose a high level of loss on attacking submarines, and they for more. meet our minimum requirements for be unreasonable, in view of other national needs, to ask submarines, and they limited war. It wou Would

average of 14 ships each: 2 carriers, 3 g cruisers, and 2 guided missile frigates. of these six forces will be fully nuclear of the spear will be our surface striking 10%0 era we will require six such forces, and maintain a These forces are the shield behind which we can project saintain a limited war capability overseas. The point limited war capability overseas. ix such forces, composed ix such forces, composed is ile 2 carriers, 3 guided missile 2 carrierstes. At least two composed on the powered. forces. For the

postwar attack carriers. In addition, we will still need our three latest converted carriers, but only in a training and energency role. We allocate to these surface striking forces in 1970 only 37 ships in all, less than one tenth of our planned total ships, but their mission will be For these forces we will need by 1070 twelve modern, postwar attack carriers. In addition, we will still need important.

stitute snall the quickly latter problem e see no substitute in 1070 for the long-range missile deterrent to all-out war. We likewise see no sube for the manned aircraft, for the discriminating delivery ll weapons, which we must still be able to do in limited we see in the aircraft carrier the essential answer to to the scene precision striking forces which can e before the war has been lost.

to 1200 flexible, alternate capability to contribute to all-out war if it should break out. For we intend to provide our attac if it should break out. For we intend to provide our attack aircraft with thermo-nuclear missiles, of several-hundred-mile But we which in emergency they can use or 1500 miles from their carrie see also in the their carrier attack carrier against base. force any target up continuing,

range. It will be possible to get through these defenses. Dut we should ask ourselves what limited war objective will be worth the costs to the enemy that such an effort would entail. I want to make it very clear, so I repeat -- that also, in 1970, will probably be in the form of advanced airborne launching platforms for air-to-air missiles of 50-mile range. It will be possible to get through these defenses. But we should ask ourselves what limited war objective will of limited war. Each force will surface-to-air missile launchers nan anything else on the face of this earth -- will have defensive capacity adequate for the most extreme degree fimited war. Each force will have something like 30 land These target striking forces outside of a few large cities. Its fighters be in the form of advanced airwhile no less destructible ļ more probably than e cities. Its fighters will have

measure up to the defensive requirements of that 1970, however useful it may be in that context is purpose. carriers' years. 1070 we 1070 we are optimizing the carrier force for to be the nation's primary cutting tool for ose. The deterrence of all-out war will not carriers' number one job. The carrier force The carrier force Į. role need chis then the next not 9

put when required. These will be modern, 20-knot ships. They will be de-to permit maximum utilization of the vertical assault technique, as well as to facilitate over-the-beach support when required. There is no single element of the national limited war capability more essential than the ability to force. For 1070 we plan ships to land two Marine divisions These will be modern, 20-knot ships. They will be designed limited aggression starts. modern Marine forces ashore rest I have rest of covered the ship our limited war Shield, and the spearhead is within a week point the amphibious or so after of the

anti-submarine forces from bases overseas. These are largely in support of our ability to projumphibious forces into remote areas, and to operate hundred small ships for mine previously mentioned a requirement for about a small ships for mine warfare and coastal patrol. are largely in support of our ability to project o our

These serve, and make effective overseas, the entire of combatant forces I have discussed. There will be replenishment ships for the striking forces; tenders submarines, seaplanes, and other anti-submarine force repair ships, tugs, rescue ships and all forces. We contemplate that Wor tired and near their end, may requirements as late as 10%. I mentioned the objective of 200 auxiliary ships. re that World War II ships, a may meet up to half of these World War supply ships to support forces; although fast range

cannot say wide dispersal in renote sea areas, relatively secure against surprise attack. Perhaps as carriers of longmissiles such aircraft could help fill the nation's at out deterrent needs in 10%. While we cannot predict a force in our 10% Navy, we do intend to develop largeaplanes — and many. technology unfolds. whatever uses that large nuclear-powered seaplanes have for nuclear propulsion, dict. There too much about, because it is too early to do know that the seaplane is an optimum vehicle is one further aspect and nuclear power in seaplanes will be profitable to the nation intend to develop large O.H the 1070 nation, Mavy that of long-range **N** to toward such pre-

In addition, I should mention Naval Reserve forces future all-out war there is no valid requirement for la Reserve forces. There is little likelihood that one wishle to assemble them, train and equip them, and get that action in time to be useful. But for limited war strong Reserve forces are essential. In our 1970 Navy for three kinds of jobs: would rely on Reserve-manned aircraft and ships very heavily one will get them for large Navy we

forces. First, to expand our anti-submarine and mine warfare

Second, to provide a follow-up capability behind the amphibious assault spearhead we maintain in our regular

quickly as possible. Third, to expand our peacetime order to meet the higher wartime consumption logistic support forces, rates

Less the 10% or a, toward which we pland explanations of items which may interest you more deeply have been omitted for brevity, for reasons of security —and because we do not have all the details yet. This is a broad brush, but we feel it is on the right in the right. for reasons of security -the details yet. This is a Many details plan

urgent importance. The Navy of the Love con many of the support of on earth satellites for recommunissance, for the support of long-range communications between widely dispersed naval units, which orbit indiscriminately over land and sea, are the proposubject of a national program, not of separate service program. The Mavy views the development of such a national program as urgent importance. The Mavy of the 1070 era will rely heavi-In my description of the 1070 era Navy, I have thus far excluded mention of satellites. Our view is that satellites, purposes. assistance in precise navigation at sea, programs. proper O**f**

warfare near the enemy's placing full reliance on deterrent role. It will Our Navy objectives for the 10/0 era have been developed on the assumption that the Soviets will also use satellites for similar purposes. We thus can no longer assume that majo effects. from enemy surface units of the all-out deterrent It will its of the future will operate in complete security observation. This development will have varying It will increase the importance of the submarine role, make carrier forces in shores. close and It will prevent us forces in the all-out also for anti-submarine COLLAOA escort more that major

TIVIL TYTUME GLADOS

incorporated in our already established, dispersal attractive. difficult, and and nd other It will faster movement which nuclear weapons have objectives. reinforce means of These considerations are already protecting shipping methor requirements for more

illusion and able submerge. does ր. Մ 0 of the satellite, in conjumention, a men, quite competent in their special the notion that the whole Navy of the je. There are several answers to this. are some conclusions to in conjunction with future weapons, carried away I would dispel some Which very sincere al fields, future contemplashould

Do we determined VIII My first and broadest answer accept the inevitability of to prevent it? gets down to all-out war? basic 0 r ıc philosophy. are we

underneath. the control and limit war to magnitudes we can to rerace. afraid the idea of an all-submerged Mayy is keyed to that future war can surface can survive We are all vulnerable here on top. future But limit war to magnitud an survive -- that everything must go if this is true at sea, it is true on land can only be all-cut prevent all-out that nothing the

outlook. We have to learn to If human life is to be human, rather than I categorically deny that become cave dwellers. learn to we have to stay on top, live with we must accept this hopeless our vulnerability.

to all-out safely stay up in the fresh air. abilities against most war can be fought efficiently on the surface it must be fought largely on the surface and The principal burdens of limited war are the identify one's target with certainty, hit it and refrain from excessive force. This is a DUE or from under restraints overcome the all-out war. The best in our armed forces the whole free the sea. ATT targets when one fires Way sea. Dut it also means accepting the burdens associated with limited war. This kind of the ground. to do this is to resolve threats that surround us This means we must have a secure deter which we can and should put below the Dut |-!-|-|also Dut if we do have these blind from under these: and in the that a secure deterrent world precisely, bit difficult by neans we can and One in fact air. the nust

under the precision have ave planned to put o surface. They do n and discrimination. do not our all-out require deterrent for high degrees forces

Communication

Submarines are relatively The technology of finding arrive tools and advanced aircraft and missile We have also planned to put a goodly part of our submarine force undermeath. As technology advances, permanent magic in undersea warfare increase the latter element. technology ls are not a anti-submarine tools We We have not all here will be back all here yet, but they are coming. When the be back to the hard, close decisions as to marine tools we buy - instead of the easy when we are buying miracles. that foreseeable the nuclear easy to Dut as we see it today ar submarine will have surface destruction systems, progressing fast. systems, cannot puncture. sink once you find them. progressing fast. The today, our anti-00 we may even

much harder time than submarine warfare. The mixed bag of tricks we plan, air, and undersea - will give the enemy submarine sk will say one more word about the апу single weapon. submarine skipper submarine in antisurface,

do at all. To do specialized numbers ¢0 under the surface to fight a war on as it costs on the surface. We trust the do the whole job well, at the least cost. have OH: ve a very large job to do. ships to do it. And exce do the rest it would cost us many times as he surface. We trust the nation wants o it. And except for a few rather submarine is about the most expensand from the sea. If we got all there would be many jobs we could It takes very large couldn't expensive

tion that, sacrifice e human race. submarines in their proper pl for those who feel otherwise largely on top. You may cour tion that, if we plan intelli therefore s in their proper place, and with all due respect who feel otherwise - we feel it our duty to stay n top. You may count this also as a Navy affirma, if we plan intelligently and are willing to enough, there is still a future on top for the despite our considerable enthusiasm

Navy we can remain human, and not will play a very major part Our Mavy of the future, and not become moles. **H**. bringing about this our conviction And this

Composition Lal

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AAVN 07.61 ERA

TENTATIVE ACTIVE FLEET OBJECT IVES

- Çi. MISSILE-LAUNCHING Sudmarines, ALL **HUCLEAR** POWERED
- 1 With with POLARIS smaller missiles, 1000-mile 1500-mile or ile or greater greater range range
- 2 SAIRS SUMF/CE STRIKING ROKCES
- Modern Attack Carriers 6 With Nuclear Power)
- \$ CO CO CO
- Large Training Guided Missile Guided Missile Carriers Cruisers Frigates (HZ) with with Muclear Nuclear Power)
 Power)
- **ය** ය IN ANTI-SUBMARINE FONCES
- Anti-submarine Submarines (C5 hircraft Carriers lear Power)
- Submarines with Nuclear
- Destroyers
- 10025 Ocean 0cean Picket : Sq i dS
- 0 Ħ UNDERING FORCES
- Helicopter Assault Ships
- すること Assault Transports and Suppor and Landing Ships
- Command prodding Ships
- 110 KENE HELLERARY QH1V SMALL TONTAG SHIPS
- CCL AUXILIARIES
- Tenders, Fast Underway E lers, Tugs, Replenishment Ships , Repair and Supply Ships

327

ANT I—SUDMAR INE LONG RANGE NUCLEAR POWER DEFENSE MISSILES SURFACE AIRCRAFT MISSILES

450-Plus 150-Plus 200-Plus

TALINATE MENOS

(Approximations: TENTATIVE OBJECTIVES FOR Air Reserve Aircraft Included) **OPERATING** LIRCRAFT

္မဝ FIGHTERS WITH LONG-RANGE AIR-TO-AIR MISSILES

400 for Attack Carriers 200 for Marines

1250 LIGHT ATTACK AIRCRAFT

1000 for Attack Carriers 250 for Marines

000 RECOHNAISSANCE AIRCRAFT (Navy and Marine)

130 Long Range Seaplane, Mining and Recco Early Warning and Air Control Photographic, Electronic, Tactical Recco

1300 ANTI-SUBMARINE

500 Long Range, Land and Seaplane 400 Short Range, for Carriers 400 Melicopter

500 ASSAULT TRANSPORTS (MARINE)

1250 AIRCRAFT FOR SUPPORT OF FLEETS

(Target, Logisti Fleet Training) Logistic, Development and Test, Rescue,

1700 AIRCRAFT FOR TRAINING COMMAND

7000



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