WEAMSARTER
Office of turategic mavices
Tudia-Bnma Theatex
APO $432,4 \mathrm{x}$
10 amust 1945

To : General Donovan
Thown: Colond J. G. Coumbin, trategic Services onicer, ocs/ism


1. With the invention and small scale demonstration of the atomic borb, it becones essential to consider the probable chanes in the mothods of war which rust follow from this technical advance. We can be sure that the nation which pays most int 11 inence atteation to this problem will benefit greatly and that any nation which allows itself to be lulled into inattention to these problems will suffer.
2. To forocast these changes in detail is, of course, impossible. It is poscible, howerr, to foresee comain radical chances in the role of such agencies as 0.3 .5 . for Force 136 which are majoply concerned with psychological watame, clandestime operations and strategic intellifence. The present menorandun is encerned solely with these aspects of the matter.
3. Coman vary general facte about the mantacture o atomic boms mant horev.t ib suced in ondir to make the position clear:
a) The enceral principles upon which these bonbs operate are arready knom to a very laree number of physicists in all counimes, and several hundred physivists, includine welishwen, Anwacans, refugee scientists and pooboly Passians, iuve been enowed in the recent intensive roskarch and arefraration of the actual boubs. te knot also that the German piysicists were try close to the same discoveries.
b) The main regurwonts for the maling of atomic bonbs avear to be accos to a smol of Wronim ores containing the arpromilte trotome, and access to very lares suplies of hydrom clectric poser. The aranum isotope is apparently not e cesswly mare and the need for mdro-electric wowe is ore liklys to a a detatne factor whan the lack of trantur
C) The ne for lare amolies or hydrom lectuc powt for the trolstion ar "hay witer" nay disamea in the nect few yoars, when to becono nossible to uso atome caergy for then ironems.
d) The very sall guantities of redum, which are yrobely necessury to arm these bomos are aready andule to all nujor nations.
4. Fron these facts it ape ars that no high degree on securdyy in regard to the atonic bomb can be expected an? that all the major poners are likly to have weayons of this sort within the next ter yours.
5. Lssentially these wearons may be deserise as chatmo whe relation setween at ack and defense. It say have been true shorin whe the last war that the advantare lay with cufnce, but since then the methods of attiack have steadily inmroved, outdistancine the methods of defence. Todat with the use of rocket aircrift and atomic bombs, attuck may be said to have finally outdistanced defence and we may be fairly sure that this balance of advantase on the site of attack rill remain or a considerable time, and will be a coverning factor in shanine intermational relations in the next ten or twenty years.
6. Both Amrican and Fngland - the countries which at oresemt control the atomic bomb - are powlar in the unallingness to embark unon usproked attacks and we can be wre that these natione will endeavor (with a minimu: of poma andic hyprocrisy) to une the atoric romb only as a disciplinary threat to restrain the agcression of other natione. fether America nor neland will resort easily to using the bomb an a means of national epansion or as a means of destroying othcr notions. (The obvicus fact that the invention o the banb has averted the destraction of Japan is an indication of this trend.)
7. The amount of provocation required to draw these two wations into war deponde in liarge measure
a) upon their distasse for overt agersston; and
b) upon their cxaggerated sense of the ir own sorer and security.

Now that they noseess atomic weanons we nst e pect then to be oven more reluctant to indule in overt agression ecause aggression his becone so muct more dostructive. In addition the. will be oven more prone to belleve thenstlves seure through the possestion of what amoars to be an invincible reply to the agression of others. The amount of provocation necessary to draw us into acts of war will therefore incr ase.
8. As regurls other nutions, who an yet no not possese the buit, we can be fairly sure
a) that if they hat it toy wold we a rood deal less sowarish about its se a ainct lons will ononed nithhors;
b) that, not wosessine the borb we will remt to "maen ful" rithr than "walthe" thols o" thetrational noceve ia their ealines with nlad and hartae. For will ot msort be onn aseres on wuth the y ha coroxhly softened
 conctie promen, rte.
9. The fravation of tho atorsc bom will thereron cauce a shtft in the bulance betwer "beaceful" and "warlike" wethods on ecrt-
 In the importance of the "reaceful" troun. Gue nectes whll be eron freer than thoy wore ta 1038 to proparaktue, subver, subotroe and exert econonic preswares mon u, and wo ours lver ohall to now willing to bear these afrronts and oursclves to indulve in such mothods in our eagerness to avoid at all costs the tragedy of open wir.
10. In war itsclf, lure concontrobions of soo a will case to be the mator instmments of attack. Land amier will till necessary for mopinc un, nolicin and ocomyne teritory but th ir aggressive functions will iminish. In the 1 sat few nonths we have seen ho: our amues in urone have becone irs some derree secondary to the air borme attack which achieves a preliminary softening up of industry and military installations, and in the future we must expect a very ereat further chance in thes direction. irmes, military installations and large industrial concentrations have become minerable to the now destructive inventions.
11. Motaly, the atomic bonb is pon riess arainst certain whes of on rations. Armies of occunation will b. inaune, so long as the occupied nation is maillint to sar if co the cirilian oopulation living in the occupied area, ant this inamity nay be of consideralle importance in deterafaing the ir functions.
12. In aldision, atomic weans ux yowerless a ainst the "peaceful" methods of wir. Cucrilla tactics, whie and bluch wromganda, subversion, nocial ub economic namioulation, dinlonitic pressure, etc. - all of these are inmune to atomic attack.
13. Aroies of occuation, thil imane to ato jc abtack, are i valnoralo to and must ewect a lurge amout of at vack iy the "poaceful", rot ods. ach ammes, anataced fro. thut hmen in a poriod which they regard as "peace" and averethet the rolitacal ad mycholotical romodelling of a wol onemy nation, are themelven envared in Psycholorical tarfare of a very strecial that, and that opectitions will meet wh resistance wich must invitaly take the "peacefal" forms.

1. From the anove norarahs, it argars that wo mest look forward to a wery mat incwase "in t": frocrtance of the "neaceful" technigues of international ores re in tines of pre-war softeniar up, In times of actual cropt war ant irs timos of noctman naninulation.
2. It is no cyacrextion to say that for the next twenty pear, the rost $\pm$ gortan int rational and wamaiche arencies of to frited States, in order of sumertance will he:
 whth atomic weanon;
(2) The anf force and its research and roduction indus ries;
(3) Some aroncy acting under the state Departimet and combining the func ions o. O.S.T., O.W.I. and F.E.A.;
(a) The land and naval forses.
3. To establish this third agency, mentioned in the paragraph above, will be a matter of very great difficulty in the face of the present trends in umirican feeling. Already even the best personel in C.S.s. are begiming to think that thoir job is finished, and powiful fores in government are already aligned to get rid of the agencies concerned with clandestine operations, psychological wirfare, international economic controls, and the collecting and analysis of the strategic intellirence necessary for these types of warfare. Even in time of war it has been hard for the $0 . S . S$, to do its proper job without beinf sidetracked into military intelligence, and in the immediate future the difficulties in our way will be even greater. The importance of the type of work for which the O.S.S., the O.W.I. ant the F.E.A. were originally designed is, however, infinitaly greater than it has even been. Hitherto we h ve been able to let the nrmy and the davy do most of the job for us. This is no longer possible.

$$
\begin{aligned}
& \text { /s/ crerory Bateson } \\
& \text { GRLGORY MTBSO } \\
& \text { R\&A/SEAC }
\end{aligned}
$$

