Auchor Carnage Would Claim AA

BY BILL WAINWRIGHT

o exist," was reported to cientists yesterday. NEW ACCOUNT of the uman life would simply cease his country, where "most orrific carnage caused by a irge-scale nuclear attack on

We could expect 44 million a be killed outright or to die rithin two weeks of the nuclear track, said Dr. Stan Openshaw f Newcastle University.

For most of the remaining 1 million or so, prospects of urvival are "grim, to put it nildly," he added. Even the most limited of uclear wars "would result in

the most grotesquely unaccept—which the country is divided able casualty levels," he said.

If anything, his figures m

previous research he and colleagues had published in a book called "Doomsday" last year. Dr. Openshaw was presenting the results of a recent study he census figures which updated completed Ruisn 1981

Giving a step-by-step account of each stage in his computerised calculations, he explained the avoid exaggeration. meticulous care he had taken to

his report was a list of survival of each of the 458 districts into rate forecasts for the populations An important new feature of

Most human life would simply cease to exist—top scientist

If anything, his figures may a err on the low side. They are based on the best available information of the effects of the enormous heat, blast and low local radioactive fallout produced by nuclear explosions.

World War III "minimum level nuclear attack" on pre-selected targets by 342 separate warheads with a total explosive power of calculations involve a

219 megatons.

After working out casualties from buttos, he said: "The burn survivors and burned injured now face blast effects. Many

people who live near major tar-gets would be killed several

which can cause buildings to collapse and people and debris to be propelled at high speed into or out of buildings," he said.

But his calculations do not take into account the likely deaths and casualties resulting creased cause immense waves of in-The nuclear explosion "would atmospheric pressure

from the nuclear winter or other climatic effects, or from starvafrom serious injuries which are

different weapons." not immediately fatal during the two-week period after the nuc-

establishments such as nuclear effects of the longer lasting fall-outs from attacks on nuclear Nor do they include the power stations.

By excluding calculations on these sources of casualties Dr. Openshaw considered he would weapon effects on which he make up for many uncertainties

nuclear war casualties published by the Home Office, which put based his study.
So far, the only estimates of

> and are being revised." D Their assumptions are seen Openshaw said. the deaths at just under

The highest survival rateras would be the Scortis Highlands, the Border countie North Wales, parts of the We Country, and a few other loc His estimates show that "imany of the major cities the survival rate is either zoro or only

"However, before these place become too excited about the chances of survival, it should to noted that high survival location he said. are also the optimum location for Cruise missiles launchers