

# Weapons Of Future Would Change Character Of Next World War

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WASHINGTON—Consideration of the North Atlantic Pact and the \$1,450,000,000 arms-for-Europe program naturally lead to much speculation on the nature of the next war—if it comes to that.

There have of course been many predictions that the next war will be the last one. The idea behind that is that new weapons will be so deadly that civilization won't survive. That prediction has been made before, but it has been wrong every time.

Toward the end of World War II a number of weapons came into limited use which may play important roles in World War III. Among them may be mentioned the proximity fuse, the medium-range rocket, the jet-powered guided missile, the non-magnetic land mine which cannot be detected by ordinary screening methods, and the recoilless rifle which gives two infantrymen practically the equivalent fire power of a 75-mm. artillery weapon.

The atomic bomb is usually mentioned at the head of this list. Atomic bombs could of course be used against Russian industrial production. But western European steel-making capacity is some 55,000,000 tons a year—to cite one example—would be of greater use to the Russians than their own 20,000,000-ton capacity at home. Other captured resources would be greater, too.

Russia's military superiority in Europe must be admitted. Russian armies would probably be able to occupy much of western Europe in, say, two to three months. Having seized these industrial areas, the United States would probably have a hard decision to make on whether to use atomic bombs against western Europe because that would mean wanton destruction of the people of allied nations.

The military problem in Europe, therefore, could resolve itself into a question of how best to defend the Western Democracy against invasion by an aggressor. Keeping a foothold in Europe from which a counter-offensive can eventually be launched is of paramount importance. Here is where the North Atlantic Pact and the military assistance program to build up western European defensive forces come

## Tests To Detect Drunkenness Perfected, Claim

PORTLAND, Ore., July 1 — (AP)—You think it's safe and peaceful on a ride to the country? Well, remember, it's peaceful in a graveyard, too, safety engineers warned here at the annual western safety conference. The traffic death rate in the small towns and the country is twice that of the bustling cities, said Franklin M. Kreml, director of the Northwestern University Traffic Institute. Jack Whittall, Chicago, warned

against the drunken driver, and told how science was catching up with him. Secretary of the National Committee on Chemical Tests for Intoxication, he told of science's 100 years of experiments to detect drunkenness without error. The tests now have been perfected, Whittall asserted. He said ten states recognize this with laws permitting or requiring the tests. The results sometimes are

## Australia Acts To Counter Coal Miners' Strike

SYDNEY, Australia, July 1 — (AP)—Federal and state governments have prepared drastic special laws to deal with a national emergency brought on by a strike of 24,000 coal miners. The New South Wales Legislative assembly in a night session passed an emergency bill giving the state government wartime powers. The bill passed the Legislative Council (Upper House) last night. The measure authorizes the

government to take over or control any property or search any premises necessary to deal with the crisis. It will effect 3,000,000 persons. The miners struck Monday. They demanded a 15 percent pay rise and a 35-hour week instead of the present 40-hour week. In Canberra, the National Government is rushing through a law to freeze union funds. This is aimed at preventing miners from

## Bowling Scores

Anita Young continues to pace mixed league bowlers with high individual and high series scores. Tuesday night, she helped her team (number 4) to the top in the league standings with a 213 single game tally and a 595 single series score.

In the doubles league, Dr. Tom Mix hit the best single game score, bowling 195. Barney Root hit the best series score with a 540. Number six team of the doubles league currently paces seven other groups with 17 wins and 10 losses.

MIXED LEAGUE		Team Standings	Won	Lost
No. 4			17	10
No. 1			15	11
No. 3			13	13
No. 2			12	14
Games June 28 Night				
No. 4 won 3, No. 1 lost 1.				
No. 3 won 3, No. 2 lost 3.				
High individual game score, Anita Young, 213.				
High individual series score, Anita Young, 595.				

No. 3		Won	Lost
P. Ryan	188	173	208-568
G. Marsters	137	153	127-417
H. Ryan	121	135	118-375
F. McDonald	166	162	140-517
Indep.	127	127	127-381
Totals	743	790	735-2259

No. 2		Won	Lost
M. Shircliff	158	140	153-451
F. Shircliff	138	156	163-459
C. Chapin	116	116	117-349
B. Jones	157	184	165-516
Indep.	117	117	117-351
Totals	686	723	717-2126

No. 4		Won	Lost
N. Young	183	213	199-595
E. Baughman	181	154	146-484
P. Martin	137	136	142-415
J. Gunn	128	163	143-538
Indep.	83	83	83-249
Totals	773	749	756-2278

No. 1		Won	Lost
M. Batt	152	153	171-456
E. Batt	133	110	150-395
D. Root	156	159	158-430
H. Root	210	161	129-500
Indep.	116	116	116-348
Totals	729	696	704-2120

DOUBLES LEAGUE		Team Standings	Won	Lost
No. 6			17	10
No. 1			16	11
No. 4			15	12
No. 2			13	14
No. 3			13	14
No. 5			12	15
No. 7			12	15
No. 8			9	18

Games June 30, Thursday night.  
No. 2 won 3, No. 6 won 0.  
No. 7 won 3, No. 5 won 0.  
No. 3 won 3, No. 1 won 0.  
No. 2 won 2, No. 4 won 1.  
High individual series score, Dr. Mix, 195.  
High individual game score, Barney Root, 240.

No. 1		Won	Lost
Batt	164	187	185-536
T. Mix	168	185	170-533
Indep.	13	13	13-39
Totals	345	385	368-1108

No. 2		Won	Lost
Buettner	143	162	183-490
Johnson	138	153	171-464
Indep.	40	40	40-120
Totals	321	357	394-1074

No. 3		Won	Lost
C. Talley	171	138	138-445
H. Root	158	180	172-540
Indep.	37	37	37-111
Totals	366	355	347-1096

No. 4		Won	Lost
G. Wellman	128	131	173-430
H. Young	155	137	134-446
Indep.	37	37	37-171
Totals	320	305	344-1047

No. 5		Won	Lost
C. Schmidt	151	174	183-468
J. Schmidt	152	114	156-422
Indep.	84	84	84-252
Totals	387	372	403-1142

No. 6		Won	Lost
B. Teaney	131	137	146-427
J. Esberg	174	175	144-463
Indep.	31	31	31-93
Totals	336	343	324-1023

No. 7		Won	Lost
T. Shircliff	190	151	194-533
D. Hutchison	138	158	150-443
Indep.	45	45	45-135
Totals	373	354	389-1111

into play. The five weapons of late World War II vintage, mentioned previously, may all play an important role in this defensive warfare.

The proximity fuse — which incorporates a small radio set in the nose of the shell, causing it to "home" on metal — is an extremely deadly weapon against aircraft.

**Bomber May Be Doomed**  
Jet-powered guided missiles, which speeds several times the speed of sound, may eventually doom the day of the long-range bomber which must poke along at speeds of only 400 miles an hour.

If the rocket with ranges of up to several hundred miles had been perfected by the Germans several years earlier, World War II might have had a different ending. Its use in the next war will be even greater.

The non-magnetic mine and the recoilless rifle have capabilities of changing entirely the character of land warfare in defensive operations.


The initial arms assistance program under the North Atlantic Pact does not contemplate completely equipping the armies of the 12 allied Western European nations with all this latest gadgetry. For a little less than a billion and a half dollars that couldn't be done. Included in this total is perhaps \$100,000,000 for European arms manufacturing equipment, \$320,000,000 for Greece and Turkey, \$1,000,000,000 for arms proper.

It is of course only a start. It will require additional expenditures in future years. The purpose now is to build up the manpower and arsenals of western Europe for action against an aggressor in what may be a new type of defensive warfare.

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