

# Scienza in guerra (2)

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"All the News That's  
Fit to Print."

# The New York Times.

THE WEATHER

Fair today and Sunday, breezy to  
strong southwest to west winds.  
For full weather report see Page 7.

VOL. LXIV...NO. 20,923.

NEW YORK, SATURDAY, MAY 8, 1915.—TWENTY-FOUR PAGES.

ONE CENT In Greater New York,  
Away City and Newark. 25 CENTS

## LUSITANIA SUNK BY A SUBMARINE, PROBABLY 1,000 DEAD; TWICE TORPEDOED OFF IRISH COAST; SINKS IN 15 MINUTES; AMERICANS ABOARD INCLUDED VANDERBILT AND FROHMAN; WASHINGTON BELIEVES THAT A GRAVE CRISIS IS AT HAND

### SHOCKS THE PRESIDENT

Washington Deeply Stirred by Disaster and  
Fears a Crisis.

### BULLETINS AT WHITE HOUSE

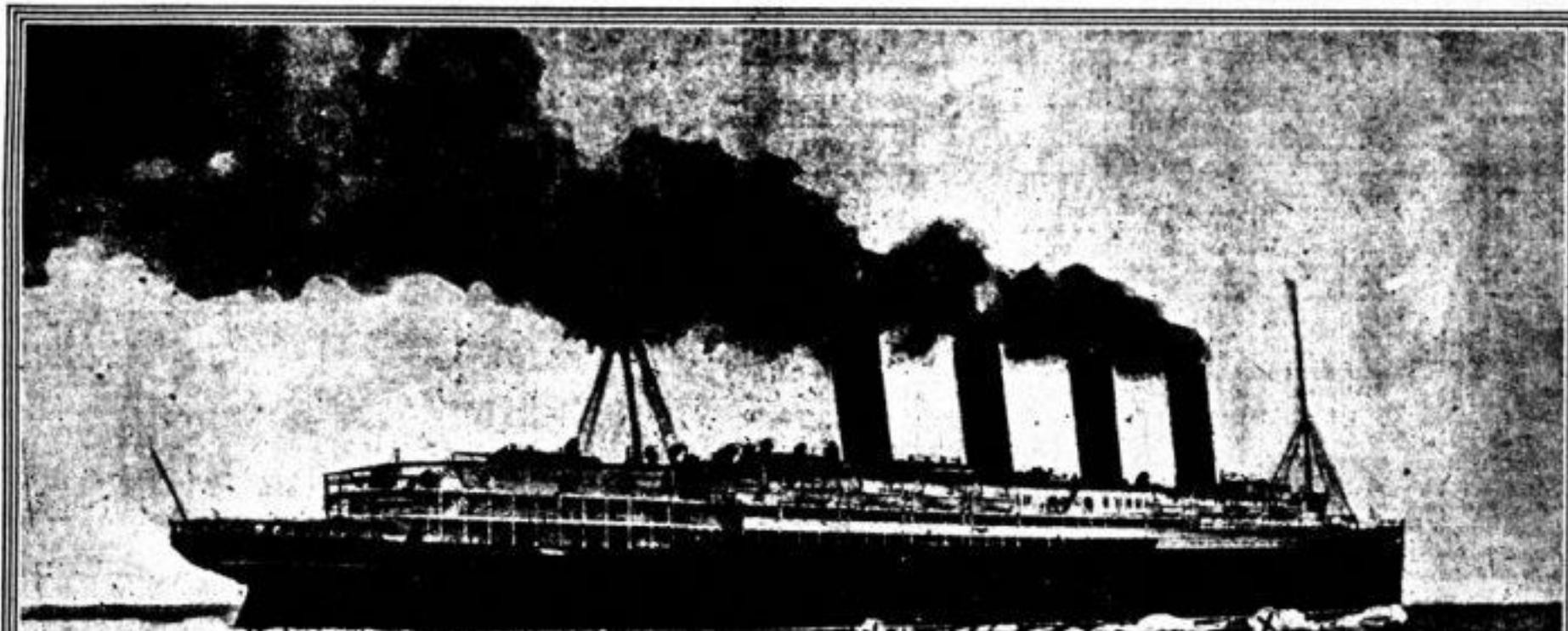
Wilson Reads Them Closely,  
but is Silent on the  
Nation's Course.

### HINTS OF CONGRESS CALL

Loss of Lusitania Recalls Firm  
Tone of Our First Warn-  
ing to Germany.

### CAPITAL FULL OF RUMORS

Reports That Liner Was to be Sunk  
Were Heard Before Actual



### SOME DEAD TAKEN ASHORE

Several Hundred Survivors at  
Queenstown and Kinsale.

### STEWART TELLS OF DISASTER

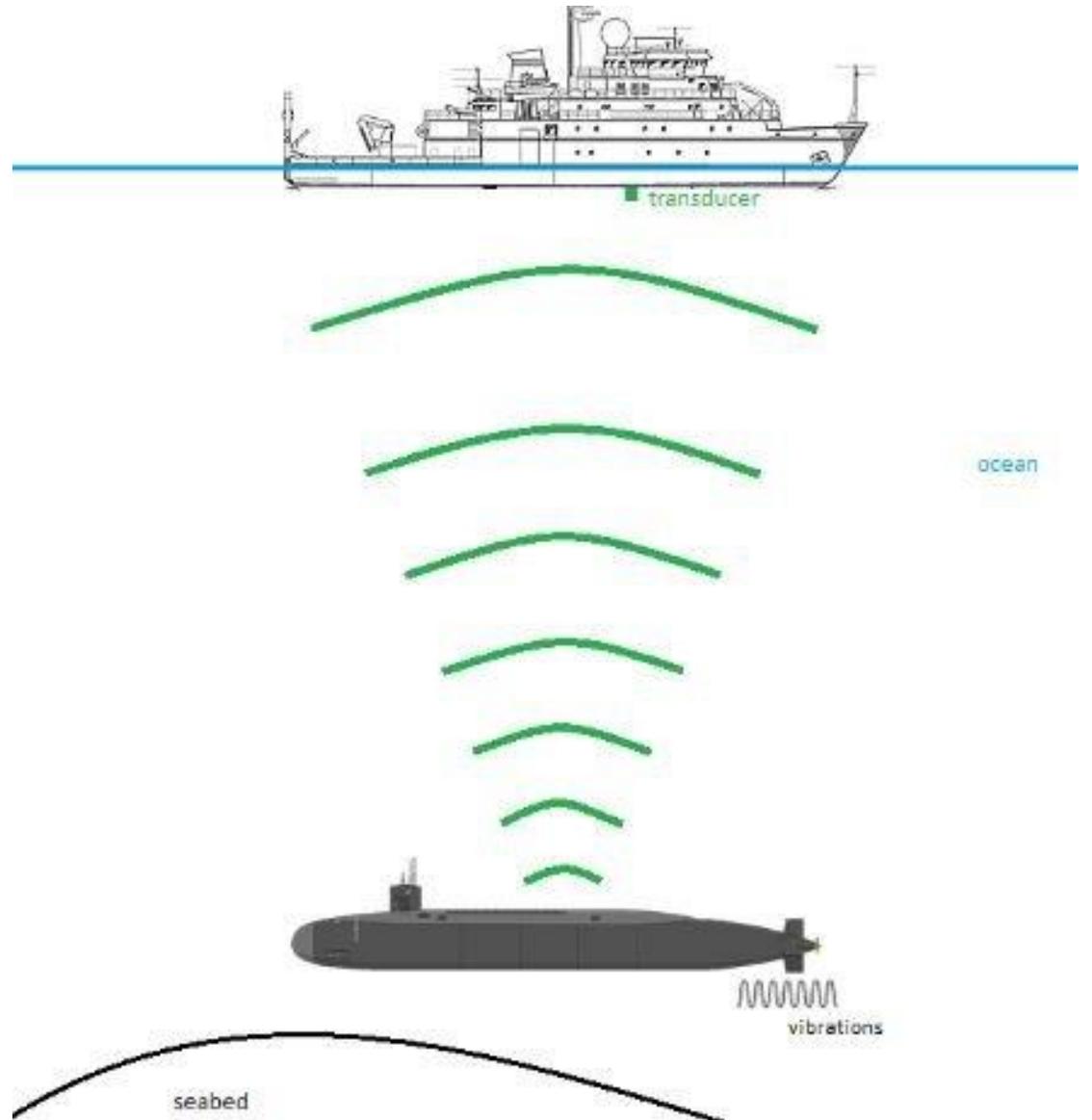
One Torpedo Crashes into the  
Doomed Liner's Bow, Another  
into the Engine Room.

### SHIP LISTS OVER TO PORT

Makes It Impossible to Lower  
Many Boats, So Hundreds  
Must Have Gone Down.

### ATTACKED IN BROAD DAY

Passengers at Luncheon—Warship









SERVICE RADIOLOGIQUE

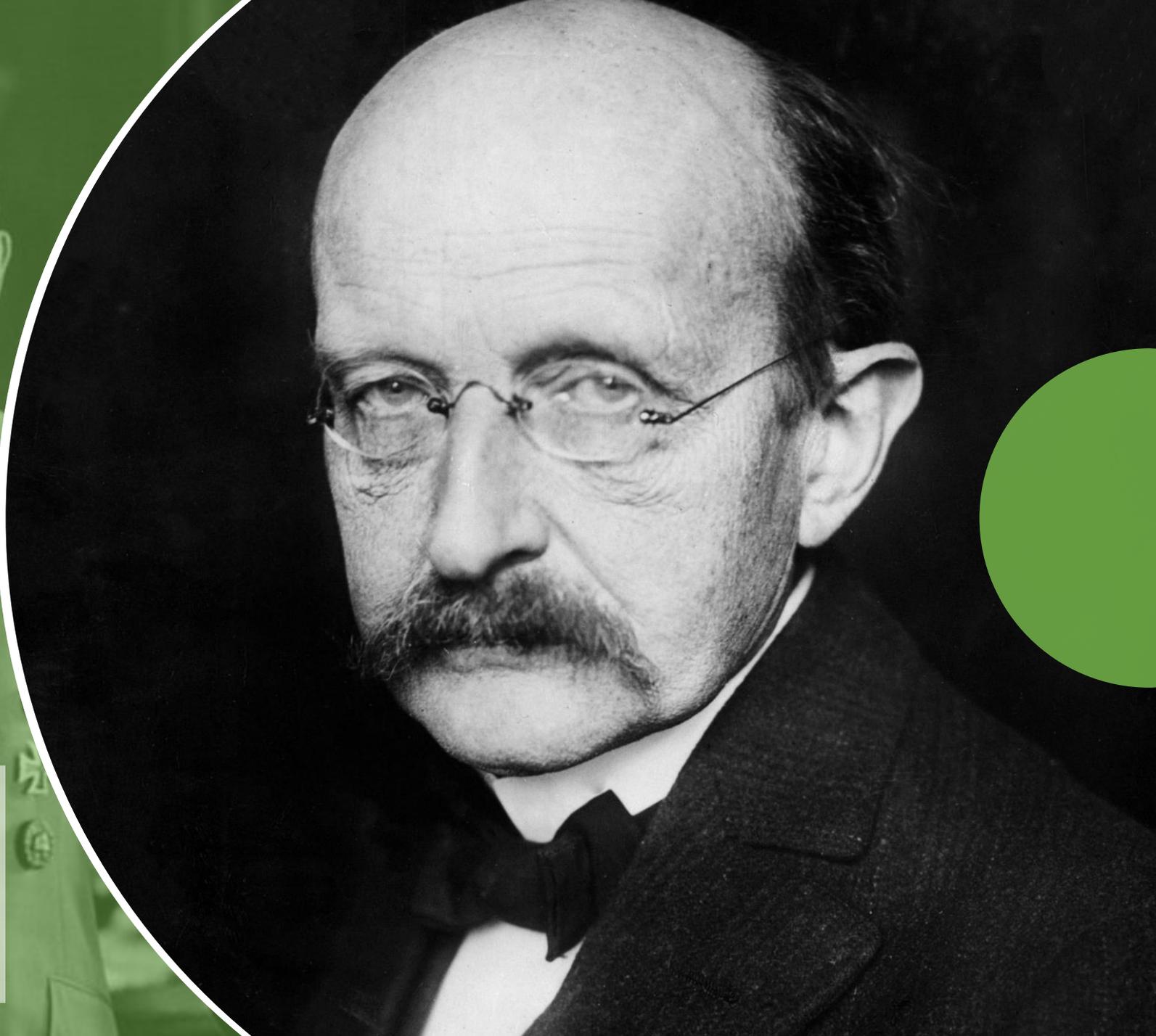












Se la scienza non può fare a meno degli ebrei, noi, in pochi anni, faremo a meno della scienza

GRANATA a d. e. da 149/35 Mod. 32 . . . . . Kg. 46,000  
 IV CARICA di balistite 3x30x30 . . . . . " 3,900

Distanza X	DATI DI PUNTAMENTO			$\Delta i_F$	COEFFICIENTI DI CORREZIONE				
	Scostamento	Alzo	Spoletta		$C_V \%$	$C_{C'} \%$	$C_{W_x}$	$C_{W_z}$	$C_g$
	S	$\alpha$	G						
m.	milles. conv.	milles. conv.	mm.	milles. conv.	m.	m.	m.	milles. conv.	mm.
1	2	3	4	5	6	7	8	9	10
7600	8	207	307	3,5	-96,2	-23,6	-11,0		1,52
7700	8	211	312		-96,9	-24,0	-11,3		1,54
7800	8	215	318		-97,6	-24,5	-11,6		1,56
7900	8	219	323		-98,3	-24,9	-11,9		1,58
8000	8	224	329		-99,0	-25,4	-12,2	-0,7	1,60
100	9	228	334	3,9	-99,7	-25,8	-12,5		1,62
200	9	232	340		-100,4	-26,3	-12,8		1,64
300	9	237	346		-101,1	-26,7	-13,1		1,66
400	9	241	352		-101,8	-27,2	-13,4		1,68
500	9	246	358		-102,5	-27,6	-13,8	-0,7	1,71
600	9	250	364	4,3	-103,1	-28,1	-14,1		1,73
700	9	255	370		-103,8	-28,5	-14,4		1,75
800	10	260	376		-104,5	-29,0	-14,7		1,77
900	10	264	382		-105,1	-29,4	-15,1		1,79
1000	10	269	388		-105,8	-29,8	-15,5	-0,8	1,82
1100	10	274	394	4,7	-106,4	-30,3	-15,9		1,84
1200	10	278	400		-107,1	-30,7	-16,2		1,86
1300	11	283	407		-107,7	-31,1	-16,5		1,88
1400	11	288	413		-108,4	-31,6	-16,8		1,91
1500	11	293	419		-109,0	-32,0	-17,2	-0,8	1,93
1600	11	298	425	5,1	-109,7	-32,4	-17,6		1,95
1700	11	303	432		-110,3	-32,9	-18,0		1,97
1800	12	308	438		-111,0	-33,3	-18,3		1,99
1900	12	313	444		-111,6	-33,7	-18,6		2,02
2000	12	318	450		-112,2	-34,1	-19,0	-0,9	2,05

Velocità iniziale (V) . . . . . m/s. 544  
 Forza viva iniziale ( $\frac{1}{2} m V^2$ ) . . . . . dinamodi 680,7

Altezza di scoppio y <sub>s</sub>	Striscia contenenti il 50% del colpo		Striscia contenenti il 20% degli scoppi		VARIAZIONI nel tiro a tempo			Angolo di caduta	Velocità di caduta	Durata	Coscienze del vertice				
	F <sub>a</sub>	$\frac{E}{F}$	F <sub>s</sub>	$\frac{F_s}{F}$	$\Delta G_{V_s}$	$\Delta G_F$	$\Delta \theta_F$				$\omega$	U	T	x <sub>0</sub>	Y
	m.	m.	m.	m.	mm.	mm.	mm.				mill. conv.	m/s.	sec. e decim.	m.	m.
11	12	13	14	15	16	17	18	19	20	21	22				
3,2	23,2							285	318	19,7	4153	477			
3,2	24,0	10,4	96,5					301	317	20,0	4208	494			
3,2	24,8	83,4	23,3					307	316	20,3	4263	512			
3,2	25,5	26,0		4,41	4,85	5,55		314	315	20,7	4317	530			
3,1	26,3							320	314	21,0	4370	549			
3,1	27,1	11,4	98,8					327	313	21,3	4422	568			
3,1	27,8	87,3	26,2					333	312	21,7	4471	588			
3,1	28,6	30,3		4,23	5,17	5,82		340	311	22,0	4527	608			
3,1	29,4							346	310	22,4	4581	629			
3,1	30,2							354	310	22,7	4633	650			
3,1	31,0	12,5	101,3					360	309	23,1	4691	672			
3,1	31,8	91,0	29,4					367	308	23,5	4747	694			
3,1	32,7	34,9		4,07	5,48	6,09		374	308	23,9	4809	717			
3,0	33,5							380	307	24,2	4850	740			
3,0	34,3							387	307	24,6	4915	764			
3,0	35,1	13,6	104,1					394	306	25,0	4972	788			
3,0	35,9	94,4	33,0					401	306	25,4	5029	813			
3,0	36,7	39,9		3,91	5,78	6,37		408	305	25,7	5085	838			
3,0	37,5							414	305	26,1	5141	864			
3,0	38,3							421	304	26,5	5200	890			
3,0	39,2	14,8	107,3					428	304	26,9	5255	917			
2,9	40,0	97,8	37,1					435	304	27,2	5310	944			
2,9	40,9	45,2		3,75	6,08	6,66		442	304	27,6	5360	972			
2,9	41,8							449	303	28,0	5415	1000			
2,9	42,7							456	303	28,4	5470	1029			

MINISTERO DELLA GUERRA  
 DIREZIONE GENERALE D'ARTIGLIERIA E GENIO - DIVISIONE ART.

*Capitano Gatti*  
 N. 156

CANNONE DA 149 G

Tavole di Tiro  
 per cariche ad elementi



ENRICO VOGHERA  
 TIPOGrafo EDITORE DEL GIORNALE MILITARE  
 Roma, 6318

Prezzo L. 2,80

«Occorreva, senza indugio, rifare, con criteri tutti diversi, le tavole di tiro per dette artiglierie, fondandosi su taluni perfezionamenti non immediati della balistica razionale classica, ciò che non poteva essere conseguito che da un matematico.»



«Si può immaginare, dopo questo successo della matematica, sotto quale diversa luce questa mi apparisse. Pensavo: ma, dunque, la matematica non è soltanto bella, può esser anche utile.»



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CLASS OF SERVICE DESIRED	
Fast Day Message	<input checked="" type="checkbox"/>
Day Letter	<input type="checkbox"/>
Night Message	<input type="checkbox"/>
Night Letter	<input type="checkbox"/>

Patrons should purchase a message for the class of service desired. OTHERWISE THE TELEGRAM WILL BE TRANSMITTED AS A FAST DAY MESSAGE.

# WESTERN UNION TELEGRAM

NEWCOMB CARLTON, PRESIDENT

RECEIVED No.	5300
Date	
Time Filed	

Send the following telegram, subject to the terms on back hereof, which are hereby agreed to

via Galveston

JAN 19 1917

GERMAN LEGATION  
MEXICO CITY

130	13042	13401	8501	115	3528	416	17214	6491	11310
18147	18222	21560	10247	11518	23677	13605	3494	14936	
98092	5905	11311	10392	10371	0302	21290	5161	39695	
23571	17504	11269	18276	18101	0317	0228	17694	4473	
22284	22200	19452	21589	67893	5569	13918	8958	12137	
1333	4725	4458	5905	17166	13851	4458	17149	14471	6706
13850	12224	6929	14991	7382	15857	67893	14218	36477	
5870	17553	67893	5870	5454	18102	15217	22801	17138	
21001	17388	7446	23638	18222	6719	14331	15021	23845	
3156	23552	22096	21604	4797	9497	22464	20855	4377	
23610	18140	22260	5905	13347	20420	39689	13732	20667	
6929	5275	18507	52262	1340	22049	13339	11265	22295	
10439	14814	4178	6992	8784	7832	7357	6926	52262	11267
21100	21272	9346	9559	22464	15874	18502	18500	15857	
2188	5376	7381	98092	16127	13486	9350	9220	76036	14219
5144	2831	17920	11347	17142	11264	7667	7762	15099	9110
10482	97556	3569	3670						

BEPNSTOPFF.

Charge German Embassy.

MAILED TELEGRAM RECEIVED.

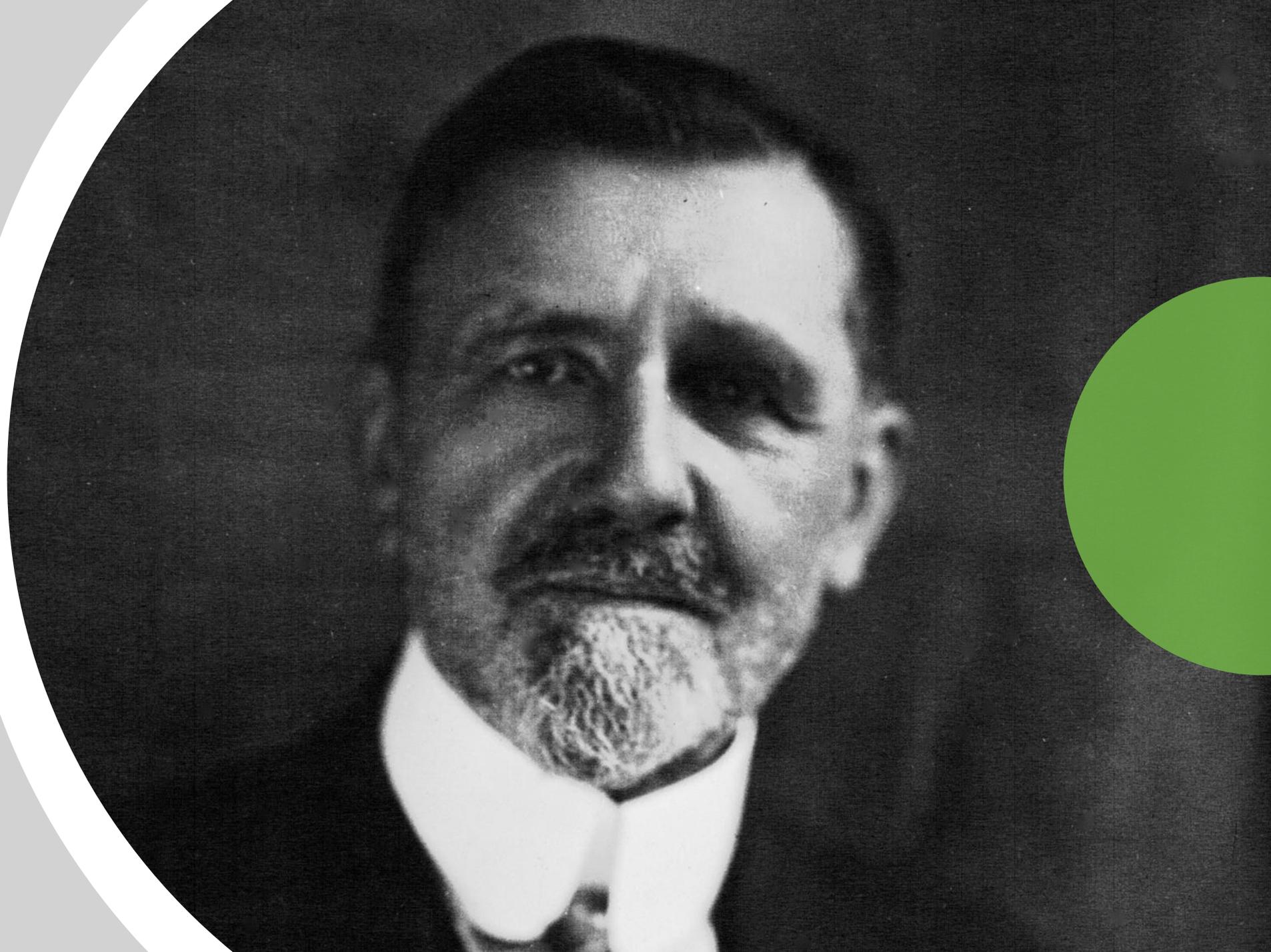
MAILED  
October 1-8-58  
Washington, State Dept.

FROM 2nd from London # 5747.

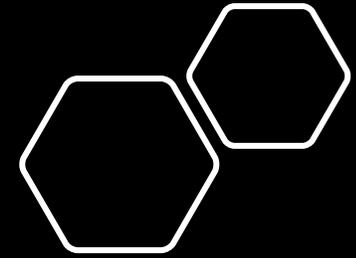
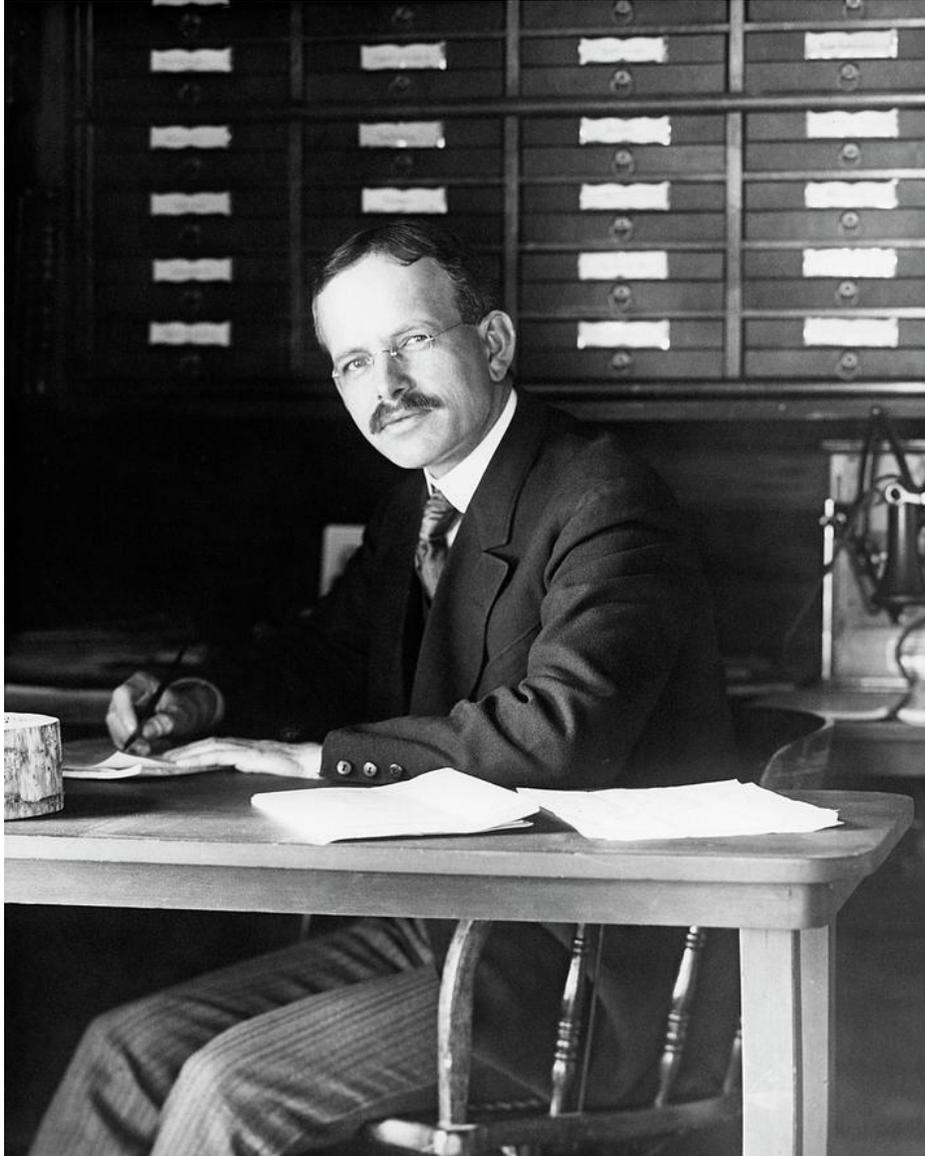
By Mark A. Eckhoff

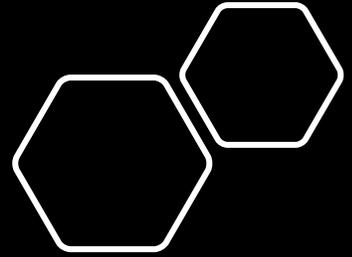
Date Oct. 27, 1917

"We intend to begin on the first of February unrestricted submarine warfare. We shall endeavor in spite of this to keep the United States of America neutral. In the event of this not succeeding, we make Mexico a proposal of alliance on the following basis: make war together, make peace together, generous financial support and an understanding on our part that Mexico is to reconquer the lost territory in Texas, New Mexico, and Arizona. The settlement in detail is left to you. You will inform the President of the above most secretly as soon as the outbreak of war with the United States of America is certain and add the suggestion that he should, on his own initiative, ~~invite~~ <sup>invite</sup> Japan to immediate adherence and at the same time mediate between Japan and ourselves. Please call the President's attention to the fact that the ruthless employment of our submarines now offers the prospect of compelling England in a few months to make peace." Signed, ZIMMERMAN.









14. BRUXELLES. — Boulevard Adolphe Max. (Nord - North.)



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**Gazzetta Ufficiale**

DEL REGNO D'ITALIA

KUNGLIGA  
SVENSKA  
VETENSKAPS  
AKADEMIEN

har vid sammanträde den 13 No-  
vember 1919 i enlighet med fö-  
reskrifterna i det av

ALFRED NOBEL

den 27 November 1895 uppräta-  
de testamente beslutat att över-  
lämna det pris som för 1918 bort  
gives åt den som har gjort den vik-  
tigste kemiska upptäckt eller

311 N = 211 N

förbättring till

FRITZ HABER

för hans syntes av ammoniak  
ut dess element

Stockholm den 1 Juni 1920

*A. G. Ekstrand*

Kungl. Vet. Akad. preses.

*Chr. Aminellind*  
Ligt Vet. Akad. sekreterare



«È difficile per me scrivere questa lettera ma lo devo fare. Sono adesso con Sommerfeld e anche lui pensa che non sia giusto che io partecipi al Congresso Solvay da cui i miei colleghi tedeschi sono stati esclusi.

Sono dell'opinione che la politica non debba entrare nelle questioni scientifiche.

Se accettassi l'invito, accetterei di fatto una situazione in cui gli individui sono ritenuti responsabili degli atti dei loro Governi.»

