

ON THE BOAT TO THE STATES, I MET A FELLOW PASSENGER: A CERTAIN MR MAYER, OWNER OF **METRO GOLDWYN MAYER.**

Fig.

HE HIRED ME AS AN ACTRESS, OPENING THE DOORS OF HOLLYWOOD FOR ME. I WENT ON TO STAR IN LOTS OF FILMS...

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...GOOD AND BAD... MAYBE YOUR GRANDPARENTS REMEMBER SAMSON AND DELILAH. IT WAS QUITE A HIT!

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WHEN I WASN'T SHOOTING, I LIKED TO INVENT THINGS, BUT THEY ASKED ME TO KEEP IT SECRET... BACK THEN, **PEOPLE DIDN'T THINK WOMEN SHOULD DEDICATE THEMSELVES TO ENGINEERING...**

...THEY SAID IT WAS **"MEN'S BUSINESS".** HAVE YOU EVER HEARD ANYTHING SO **RIDICULOUS?**

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YOU'LL PROBABLY REMEMBER THAT MY HUSBAND'S PARTNERS USED TO TALK ABOUT HOW DIFFICULT IT WAS TO GUIDE TORPEDOES WITHOUT THE ENEMY INTERCEPTING THEM.

11, 1942

TORPEDOES ARE GUIDED USING RADIO WAVES THAT TRAVEL AT A GIVEN FREQUENCY. AND IF THE ENEMY FINDS THE FREQUENCY WE USE TO GUIDE THE TORPEDO, THEN IT'S GAME OVER! THEN THE USA ENTERED THE SECOND WORLD WAR, AND I WANTED TO HELP THE COUNTRY THAT HAD TAKEN ME IN.



HAH! GOTCHA!

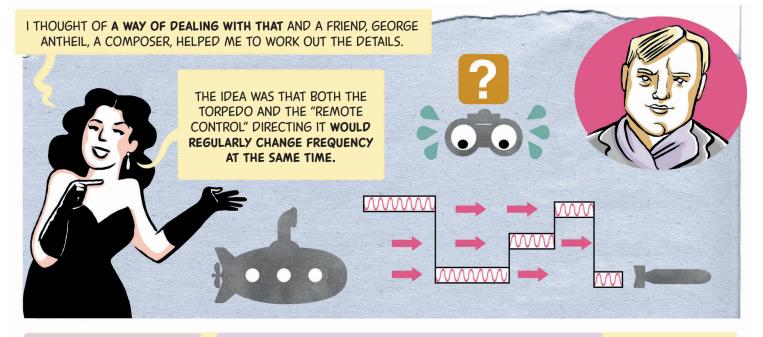
CECIL B. DeMILLE'S

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GEORGE SANDERS

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MAYBE IT'S EASIER TO EXPLAIN WITH AN EXAMPLE. IMAGINE YOU WANT TO TALK TO A FRIEND AND YOU DON'T WANT ANYONE ELSE TO UNDERSTAND WHAT YOU'RE SAYING. IF SOMEONE LISTENS TO YOU AND YOU ARE SPEAKING ENGLISH...



...THEY'LL UNDERSTAND YOU. BUT IF YOU AGREE TO SPEAK SPANISH FOR 5 SECONDS, THEN FRENCH FOR 6 SECONDS, THEN RUSSIAN FOR 3 SECONDS... THE EAVESDROPPER WON'T BE ABLE TO TUNE IN TO ALL THOSE DIFFERENT LANGUAGES.

GEORGE AND ME INVENTED A SYSTEM LIKE THAT AND IT'S CALLED:



WE PROPOSED IT TO THE **US GOVERNMENT** BUT THEY DIDN'T SHOW MUCH INTEREST. BACK THEN IT WAS A BIT COMPLICATED TO ACTUALLY MAKE.

FREQUENCY-HOPPING SPREAD SPECTRUM.

