## EM Waves by Jonny Berliner

G	С	D		G	(	C/G	G
If you make charg	ed particles sha	ke they make wav	es electroma	gnetically	γ,		
G	C	D		G C/	G	G	
That will radiate as	s a transverse wa	ay through a vacu	um infinitely,	,			
Am	D	Am	D				
There's nothing fa	ster it's reckone	d, going 300 milli	on metres ev	ery seco	nd,		
Am	D	C	D				
Spreading out in e	very direction, t	hey're all around u	us continuall	y.			
Their wavelengths	-	_	-	,			
The waves are all invisible except the visible light we see,							
Some substances t Now we know the				-	orb	them	we use that to detect them,
G	С	A	D				
Radiowaves, their	frequency's low,	microwaves for n	ny mobile ph	ione,			
В	Em Am	D					
Infrared feels like l	heat to me, visil	ole light is what I	see!				
G C	Am	D					
Ultraviolet tans my	y skin, X-rays sh	ow me my bones	within,				
Bm	Em	Am	D	G			
Gamma Rays may	make me scared	d, electromagnetic	waves are ev	verywher	e.		
Radio waves move electrons in antennae on radios,							
We can also use the signals made to send wifi to and fro,							
Microwaves beamed to satellites send mobile phonecalls day and night,							
And TV signals and they're mighty good at heating up your food.							
Infrared cooks your toast and makes you warm when you stand in the sun,							
It's in remote controls and police use it the dsrk to catch s thief on the run,							
Visible light as a laser might read your CD's, or fix your eyes,							
And fibre optics are carrying light to get broadband down your street,							
Tille libre opties al	ic carrying ngiit	to get broadband	down your	street,			
Chorus							
Em	A						
UV, X and Gamma	a rays have such	high energy,					
Em		A					
Living cells expose	ed too long have	unwanted chemi	stry,				
C	D	G	$\mathbf{E}$				
They can make cel	lls cancerous or	kill them complet	tely,				
Am		D					
But gamma rays ki	ill cancer too an	d sterilise scalpels	for surgery,				