

# DO THE QUANTUM ENTANGLEMENT

from *Ensonglopedia of Science*

Lyrics and music by John Hinton

Arr. Michael Hinton

With a light swing ♩ = 188

The musical score is written in 4/4 time with a key signature of one flat (Bb). It consists of ten staves of music, each with lyrics and guitar chords. The chords are indicated by letters above the staff lines. The lyrics are: "There's a brand new d - d - dance craze I'm hop - ing that you'll give it a go. — It start - ed off in Co - Co - pen - ha - gen nine - ty years a - go. — It's a re - vo - lu - tio - na - ry way of mov - ing your bo - dy — Yes, you're going to shake your p - p - par - ti - cles real - ly — odd - ly. — So fol - low these in - struc - ti - ons and let's make this an in - ter - ac - tive show. — Do - Do - Do — the Quan - tum En - tan - gle - ment, — it goes like this. — Wr - Wr - Wrap your arms a - round each oth - er so they're in a right twist. — Now st - st - stick your tongue out and make sure — that all your fin - gers are bent, — And that's the Qu - Qu - Qu - Qu - Quan - tum En - tan - gle - ment. — Do - do - do — the Quan - tum En - tan - gle - ment, take paired e - lec - trons."

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49 **G<sub>b</sub>** **G<sub>b</sub>/B<sub>b</sub>** **B** **D<sub>b</sub>7** **G<sub>b</sub>** **B<sub>7</sub>** **B<sub>7</sub>**  
 S - S - send them in - to space in op-po-site di - rec-tions.

53 **E<sub>bm</sub>** **E<sub>b</sub>7** **A<sub>b</sub>7** **F<sub>m</sub>7(b5)** **B<sub>6</sub>** **B<sub>7</sub>**  
 Now un-t - t - tan - gle one and just as soon as that is done, you'll

57 **E<sub>bm</sub>** **E<sub>bm</sub>/D<sub>b</sub>** **B<sub>7</sub>** **F<sub>7</sub>** **B<sub>7</sub>** **C<sub>m</sub>7(b5)** **B<sub>7</sub>** **E<sub>bm</sub>** **A<sub>bm</sub>** **D<sub>b</sub>** **E<sub>bm</sub>7**  
 know the qu-qu-quan - tum spin of the oth - er one. Spin up

62 **E<sup>o</sup>** **D<sub>b</sub>** **D<sub>b</sub>7** **G<sub>b</sub>** **D<sub>b</sub>** **E<sub>bm</sub>7** **E<sup>o</sup>** **D<sub>b</sub>7**  
 and spin down, if you've got one, the oth-er one must be

67 **F<sub>7</sub>(b5)** **B<sub>b</sub>** **E<sub>bm</sub>** **E<sub>b</sub>7** **A<sub>b</sub>7** **F<sub>m</sub>7(b5)** **B<sub>6</sub>**  
 a - round. This is not the ac - tion of some spoo - ky quan-tum

72 **B<sub>b</sub>7** **E<sub>bm</sub>** **E<sub>bm</sub>/D<sub>b</sub>** **B<sub>7</sub>** **F<sub>7</sub>** **B<sub>b</sub>7** **C<sub>m</sub>7(b5)** **B<sub>b</sub>7** **E<sub>bm</sub>** **B<sub>7</sub>**  
 phan-tom, It's sim - ply con-ser-va - tion of an - gu - lar mo - men-tum.

77 **B<sub>7</sub>** **E<sub>m</sub>** **E<sub>m</sub>/D** **C<sub>7</sub>** **B<sub>7</sub>** **E<sub>m</sub>** **no chord**  
 Do-do - do the Quan - tum En-tan - gle - ment, and in the

81 **E<sub>m</sub>** **B/D#** **E<sub>m</sub>** **D<sub>7</sub>** **G** **G/B** **C** **D<sub>7</sub>** **G** **C<sub>7</sub>**  
 fu - ture you could be the ba - sis be-hind ev-'ry com -

85 **B<sub>7</sub>** **E<sub>m</sub>** **E<sub>7</sub>** **A<sub>7</sub>** **F#m7(b5)** **C<sub>6</sub>**  
 pu - ter. To help man - kind in mak - ing this most co - ve ted tran -

89 **B<sub>7</sub>** **E<sub>m</sub>** **E<sub>m</sub>/D** **C<sub>7</sub>** **F#<sub>7</sub>** **B<sub>7</sub>** **C#m7(b5)** **B<sub>7</sub>**  
 si - tion, just hold an in - fi - nite num-ber of states in su-per-po -

93 **B<sub>7</sub>** **E<sub>m</sub>** **E<sub>m</sub>/D** **C<sub>7</sub>** **F#<sub>7</sub>** **B<sub>7</sub>**  
 si-tion. And that's the Qu - Qu - Qu - Qu - Quan - tum En -

97 **E<sub>m</sub>** **E<sub>m</sub>/D** **C<sub>7</sub>** **B<sub>7</sub>** **E<sub>m</sub>** **B<sub>7</sub>** **E<sub>m</sub>**  
 tan - gle - ment! *That's the Quantum Entanglement!*