CLAIM AMENDMENTS

What is Claimed is:

1. A wave pool comprising:

a plurality of wave generators adapted to produce wave segments that travel substantially forward in front of each wave generator, wherein said wave generators are extended in a substantially staggered manner relative to the travel direction of the wave segments, and wherein said wave generators are positioned along a curved stagger line ~~that is generally at an oblique angle~~ relative to the travel direction of the wave segments;

wherein each of said plurality of wave generators has an associated ~~a~~ pair of dividing walls extended substantially forward ~~in~~, wherein within each pair, each dividing wall extends forward beyond the front of ~~each of said~~ the associated wave ~~generators~~ generator, wherein within each pair, said dividing walls are extended with a fade angle of no more than 20 degrees relative to each other, such that the wave segment that travels between said pair of dividing walls forms properly and can merge together with other wave segments in the series to form a resultant wave; and

a sloped floor comprising an incline that enables the resultant wave to break thereon.

~~3~~ 2. The wave pool of claim 1, wherein said wave generators are adapted such that each dividing wall is extended at a predetermined angle relative to the dividing wall of a preceding wave generator in the series, and wherein the angle between a first wave generator and a last wave generator in the series is equivalent to the accumulation of all the predetermined angles of all the dividing walls in the series.

~~4~~ 3. The wave pool of claim 2 ~~3~~, wherein said fade angle and said predetermined angle are substantially equal to or less than about 5 degrees each.

~~5~~ 4. The wave pool of claim 1, wherein said curved stagger line extends along a circular arc and wherein said sloped floor extends along a curved breaker line that extends along a substantially similar or parallel circular arc.

~~6~~ 5. The wave pool of claim ~~5~~ 4, wherein said curved stagger line extends around a full 360 degrees to form a wave pool having a substantially circular shape.

~~7~~ 6. The wave pool of claim ~~5~~ 4, wherein a predetermined number of wave generators is provided around said circular arc, wherein the overall shape of the wave pool comprises a segment of a circle and is dependent on how many wave generators are provided.

~~8~~ 7. The wave pool of claim 1, wherein said wave generators are adapted to be operated in sequence, such that a plurality of wave segments is generated at pre-selected time intervals, wherein as the wave segments travel forward, they merge together to form a substantially uniform resultant unbroken wave that extends forward in a substantially arcuate manner.

~~9~~ 8. A wave generating system comprising:

a wave pool having a first end with a plurality of wave generators located thereon and a second end having a shoreline;

wherein said wave generators are adapted to produce wave segments that travel substantially forward in front of each wave generator, wherein said wave generators are extended in a substantially staggered manner relative to the travel direction of the wave segments, and are positioned along a curved stagger line with a tangent line that is generally at an oblique angle relative to the travel direction of the wave segments;

wherein each of said plurality of wave generators has an associated ~~a~~ pair of dividing walls ~~is~~ extended substantially forward ~~in~~ beyond a front wall of ~~each of~~ said associated wave ~~generators~~ generator, including one short dividing wall and one long dividing wall, ~~and~~ wherein within each pair, said dividing walls are adapted with an outward fade angle of no more than 20 degrees between them, wherein as the wave segments travel between the associated pair of dividing walls, the dividing walls help to substantially maintain the energy, height and amplitude of the wave segments that ~~are generated and~~ travel within said pair of dividing walls; and

wherein said dividing walls are adapted to enable the wave segments to merge together downstream from said dividing walls, first on one side and then on the other side, to form a uniform resultant wave that extends in a substantially arcuate manner.

~~11~~ 9. The system of claim ~~9~~ 8, wherein a sloped floor is extended along said shoreline of said second end, along a curved breaker line that is substantially similar in curvature or substantially parallel to said curved stagger line.

~~12~~ 10. The system of claim ~~9~~ 8, wherein said curved stagger line extends along a circular arc and a predetermined number of wave generators is provided around said circular arc, wherein the overall shape of the wave pool comprises a segment of a circle and is dependent on how many wave generators are provided.

~~13~~ 11. The system of claim ~~9~~ 8, wherein said wave generators are adapted to be operated in sequence, such that a plurality of wave segments is generated at pre-

selected time intervals, wherein as the wave segments travel forward, they merge together to form a substantially uniform resultant ~~unbroken~~ wave.

~~14~~ 12. A method of generating waves comprising:

providing a wave pool having a plurality of wave generators adapted to produce wave segments that travel substantially forward in front of said wave generators, wherein said wave generators are extended in a substantially staggered manner relative to the travel direction of the wave segments, and are positioned along a curved stagger line relative to the travel direction of the wave segments;

intermittently generating wave segments in sequence with each of said wave generators wherein each of said wave segments ~~travel~~ travels forward through a pair of dividing walls extended substantially forward beyond the ~~in~~ front of each the associated wave generator, wherein each pair of dividing walls is adapted to have a fade angle of less than 20 degrees, and helps to maintain the energy, height and amplitude of the wave segments travelling forward between the dividing walls; and

causing the wave segments to merge together as they travel forward beyond said dividing walls to form a single resultant wave that extends substantially along an arcuate path across said wave pool.

~~15~~ 13. The method of claim ~~14~~ 12, wherein said method comprises operating said wave generators in sequence intermittently such that a plurality of wave segments is generated at pre-selected time intervals, wherein as the wave segments travel forward, they merge together to form a substantially uniform resultant ~~unbroken~~ wave.

~~16~~ 14. The method of claim ~~14~~ 12, wherein in front of each wave generator, the wave segment travels through the following:

a full wave formation zone extending between said associated pair of dividing walls which helps maintain the energy, height and amplitude of the wave segment that travels forward through said pair of dividing walls;

a partial wave merging zone which enables the wave segment to merge with another wave segment generated by a preceding wave generator in the series; and

a full wave merging zone which enables the wave segment to merge with another wave segment generated by a succeeding wave generator in the series.

~~17~~ 15. The method of claim ~~16~~ 14, wherein each pair of dividing walls comprises a short dividing wall on one side, and a long dividing wall on the other side, wherein said partial wave merging zone extends from a distal end of said short dividing wall to a

distal end of said long dividing wall, and said full wave merging zone extends from said distal end of said long dividing wall forward, toward a shallow end of said pool.

~~18~~ 16. The method of claim ~~14~~ 12, wherein a sloped floor is extended along a shallow end of said pool, along a curved breaker line that is substantially similar in curvature or substantially parallel to said curved stagger line, wherein the waves are allowed to travel across said wave pool and break obliquely along said curved breaker line.

~~20~~ 17. The method of claim ~~14~~ 12, wherein said curved stagger line extends along a circular arc and a predetermined number of wave generators are provided around said circular arc, wherein the overall shape of the wave pool comprises a segment of a circle and is dependent on how many wave generators are provided.