Let $a_{1}, \ldots, a_{n}$ be positive integers which are relatively prime. Then the numerical semigroup generated by $a_{1}, \ldots, a_{n}$ is $S:=\left\{\sum_{i=1}^{n} c_{i} a_{i}: c_{i} \in \mathbb{Z}^{+} \cup\{0\}\right\}$. The largest integer not in $S$ is called the Frobenius number of $S$. The dual of $S$ is formed by adding to $S$ its Frobenius number as well as any additional pseudo-Frobenius numbers. In this talk, we study the duals of semigroups generated by certain Fibonacci numbers and relate them to associated Lipman semigroups. This gives, in a sense, a measure of how close to being Arf a Fibonacci semigroup is. (Received September 14, 2007)

