1035-20-713 Gretchen L Matthews* (gmatthe@clemson.edu), Dept. of Mathematical Sciences, Clemson University, Clemson, SC 29634-0975. Fibonacci semigroups and their duals. Preliminary report. Let a₁,..., a_n be positive integers which are relatively prime. Then the numerical semigroup generated by a₁,..., a_n is S := {∑_{i=1}ⁿ c_ia_i : c_i ∈ Z⁺ ∪ {0}}. 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)