Abstract. I will report on some recent results, joint with Jonathan Breuer and Maxim Zinchenko, in which we study CMV matrices by focusing on their right-limit sets. Our results include a CMV version of a recent theorem of Remling that deals with the implications of the existence of absolutely continuous spectrum, as well as a new method for studying weak asymptotic convergence of spectral measures and ratio asymptotics for orthogonal polynomials. These techniques allow us to refine and extend some work of Khrushchev in the CMV case, and recover corresponding results of Simon in the Jacobi case.