This thesis consists of four chapters. In chapter one, we determine the most general continuous linear functional $f \in X^*$, where X is any semiconservative BK-space with $\Delta^+\delta^\circ,\delta 1,\delta 2,...)$ as its

$\infty$ $\beta$
Schauder basis. We also determine the necessary and sufficient conditions for $(A_k)^\circ \in bv^\circ(X)$, $bv^\beta(X)$, where $A_k \in B(X, Y)$, X and Y are any Banach spaces.

In chapter two, we study the general FH-spaces with H = S, where S is the space of all double sequences in which coordinates are continuous. We then specialize and obtain the relation between $c^\circ(c)$ , $c(c^\circ)$, $c^\circ(c^\circ)$ and RCN. We also prove that c(c) = RC.

In chapter three, we determine the spectrum of the Cesaro operator $C_1$ = (C, 1) on c, $bv^\circ$, bv, $w_p$ (0) and $w_p$ $(1 \leq p < \infty)$.

In chapter four, we study 4-dimensional matrices and then go on to determine the spectrum of the Cesaro operator $C_{11}$ = (C, 1,1) on $c^\circ(c^\circ)$ by a direct method. A method, which consists of both classical and analytical techniques.