1023-22-847   **James Arthur*** (`arthur@math.toronto.edu`), Bahen Centre, 6th Floor, 40 ST. George Street, Toronto, Ontario M5S 2E4, Canada. *Induced representations, intertwining operators and transfer.*

Induced representations and the intertwining operators between them were a general preoccupation of George Mackey. They have also come to play a fundamental role in the modern theory of real and p-adic groups. Transfer is a more recent idea, which was discovered by Langlands in the study of automorphic forms. We shall review these three notions in the context of groups over local fields. We shall then describe a conjectural relation between intertwining operators and transfer that seems to play an important role in attempts to establish reciprocity laws among automorphic representations. (Received September 22, 2006)