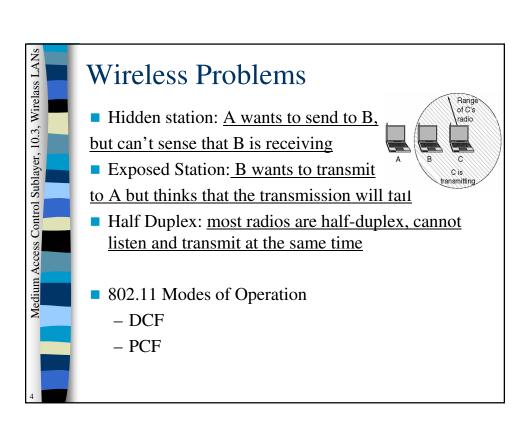
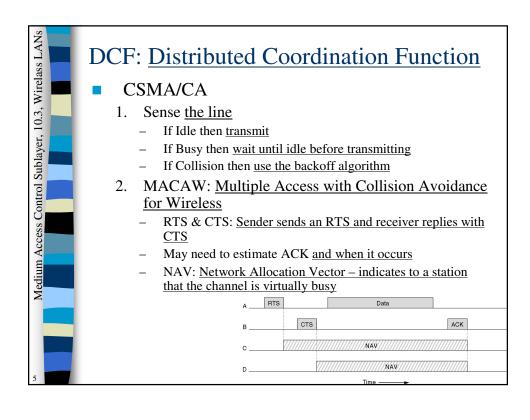
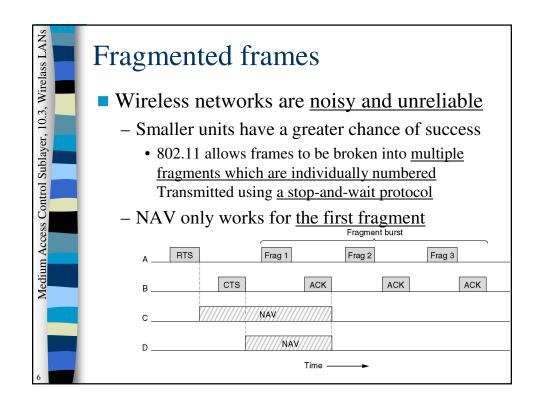


olog I AM	elass LAINS		802.11 Physical Layer			
Medium Access Control Sublayer, 10.3, Wirelass LANs	, 10.5, WI		802.11 Infrared	Infrared	1Mbps or 2Mbps	Gray code
			802.11 FHSS	2.4GHz ISM band	1.6Mbps	79*1MHz channels
	ess Contro		802.11 DSSS	2.4GHz ISM band	1Mbps or 2Mbps	1Mbaud at 1/2 bits/baud
	calum Acc	-	802.11a OFDM	5GHz ISM band	54Mbps	52 frequencies
	IMIC		802.11b HR-DSSS	2.4GHz ISM band	11Mbps	1.375Mbaud at 1/2 bits/baud
3			802.11g OFDM	2.4GHz ISM band	54Mbps	



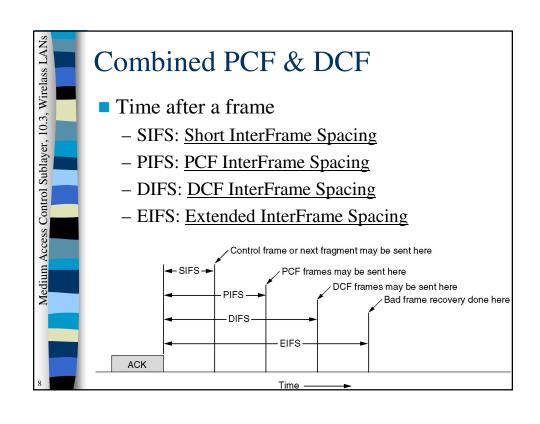


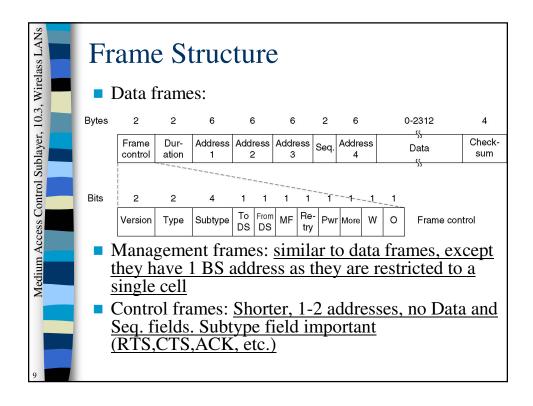




## PCF: Point Coordination Function

- Base station polls the stations <u>asking them if</u> they have frames to send
  - Since order is controlled no collisions occur
- Polling mechanism is specified but <u>not the</u> frequency, order or even whether all stations get an equal service
- For new stations the base station issues a beacon 10 to 100 times per second with system parameter and a join invitation





## Distribution Services Association: Used by mobile stations to connect to a cell, Disassociation: Either the station or the BS may break the association, Reassociation: Changes the preferred BS Distribution: How to route frames sent to the base station, Integration: Translation services for non 802.11 network frames

## Medium Access Control Sublayer, 10.3, Wirelass LANs

## **Intracell Services**

- Authentication: <u>Challenge from the BS</u> responded to by an encrypted version of the challenge using a secret key,
- Deauthentication: When an authenticated station wants to leave the network
- Privacy: <u>Encryption and Decryption services</u>
- Data Delivery: <u>Tx and Rx of data</u>