

partments.

Using information technology, many hospitals will be equipped with bedside terminals so that physicians and nurses can have access to all patients' information in the ward. Physicians can also prescribe their orders at bedside. The radiation oncology department of the Johns Hopkins Hospital has an automated check-in system so that it is very convenient for patients to check in. The hospital saves on personnel costs. (Figs. 16-18) Additionally, many hospitals have recently begun to develop so-called PACS (Picture Archiving and Communication System) toward the target of being an e-hospital.

However, a well-wired healthcare facility is the foundation for building an e-hospital. More communication closets, cable trays in the ceilings, and sophisti-

cated, uninterrupted, power systems must be planned in advance.

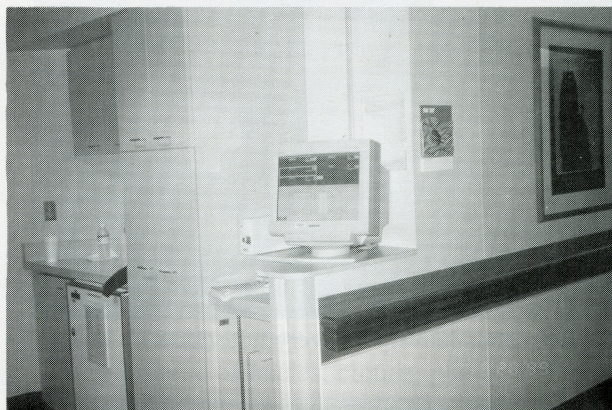


Fig. 16. Bedside terminal, Harbor Hospital, Baltimore, MD.



Fig. 14. Decentralized nurse stations and patient corridor, Harbor Hospital, Baltimore, MD.

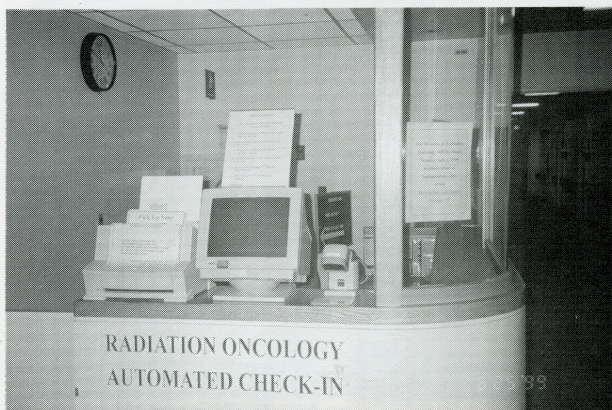


Fig. 17. Automated check-in system, The Johns Hopkins Hospital, Baltimore, MD.

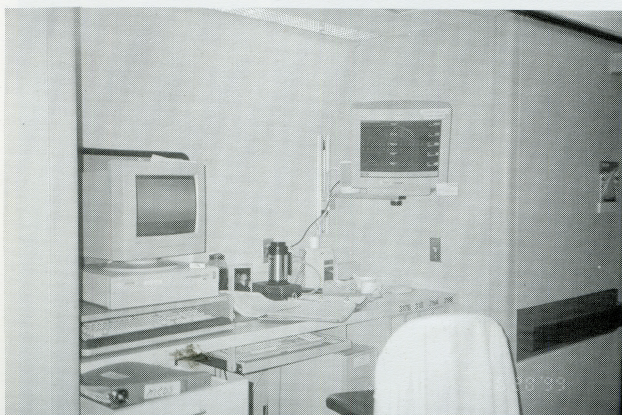


Fig. 15. Decentralized nurse station, Harbor Hospital, Baltimore, MD.

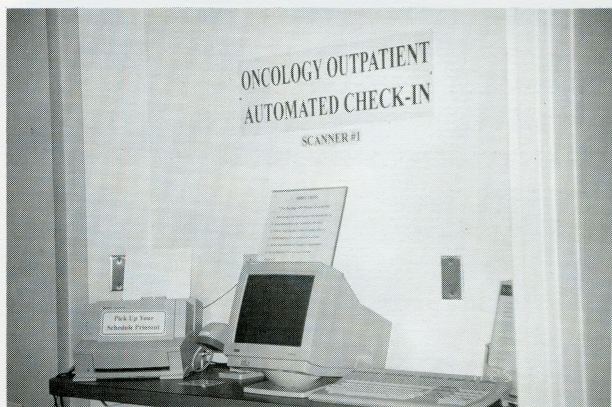


Fig. 18. Automated check-in system, The Johns Hopkins Hospital, Baltimore, MD.