

# ADVANCED PERSONAL COMMUNICATION SYSTEM

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**Abstract:** A new concept for Personal Communication System that achieves the ultimate object of all communications systems, to enable anyone to communicate anywhere with anyone else anywhere is proposed. This concept offers a personal area or network with subscriber access systems for both wired and radio systems. Its three principal concepts are: (1) assigning a personal identity such as a Personal Telecommunication Number for an individual, and the network traces the person's routing; (2) serving a fixed and portable units for radio and wired, and (3) serving advanced functions such as the network playing the role of secretary. System architecture and some problems are also presented.

## 1. Introduction

Recently the information-oriented society has developed, and the social and cultural structure has changed to a great extent. A great variety of people's behavior in the communication world, caused by advanced services that enable us to communicate conveniently with anyone anywhere in space and time is manifesting. In order to realize this type of user-oriented service, many kinds of systems are being studied or developed, such as mobile, automobile radio systems (MRS, PLS), and advanced cordless systems (MPT, DLS, Telepoint, DCSMT, MPTC, etc.).

In international standardization, CCIR standardized in 1971, is the preliminary stage discussing a mobile radio and fixed approaches. In ITU-T S11 and S12, CCIR S11, S12, S13, S14, and S15, several subjects are discussed, for example, numbering, network functions, signaling, and so on (1)(2)(3).

There are many problems involved in offering economic personal communication services to every user in the mobile subscribers, because work normally under individual networks have been applied for radio systems in a fixed system. The present work is a study

on how mobility could be improved to accommodate an indefinite number of subscribers and a radio area must be less than several 100-1000 m. The radio area should also be realized to realize area-wide portable terminals that are accompanied by large centers can be set wherever possible. Furthermore, in order to become a sufficient number of service areas, a large number of radio systems has to be set, and the more systems are set, the denser the service terminals will be set. The number of service terminals must also be set, and the centers must increase to the number of terminals in the area. As a result, the existing system configurations methods will agree very difficult problems in extending the service area.

For this reason we propose an advanced personal communication system in which each terminal is located registration and contains a portable service offered by public communication networks. Configuration and mobile service developments can be realized by using public communication network facilities as terminal stations. The proposed system enables user persons to afford a portable telephony service in a large communication and service capacity.

## 2. Service Concept

Our proposed service concept is shown in Table 1.

- (1) Personal communication in anytime and anywhere by using Personal Telecommunication Number (PTN), or Cordless Identity (radio) with both wired and radio systems for service areas including very small centers and large public centers.
- (2) Mobility services according to user's choice and purpose.

Radio service design for service in PTN. The proposed system requires a mobile and fully stationary telephone sets, both the radio terminals. Services are available anywhere, such as home, office, or outdoors. The mobility should be less than or equal to that of mobile phone. A portable and fully stationary mobile sets

# Advanced Personal Communication

**B Lingard**



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Global Competitiveness of U.S. Advanced-Technology Industries: Cellular Communications ,1993      **Advanced Thought and Occult Digest** ,1920      **Proceedings** ,1995      **Advanced Interpersonal Communication** Marianne Dainton,Katie Neary Dunleavy,2024-01-19 Built around the idea that we communicate with others to meet our needs and achieve our goals Advanced Interpersonal Communication Managing Communication Goals provides students with a practical approach to communicating with others and navigating everyday communication challenges Students are presented with theoretical insights up to date research and the practical examples they need to make effective and appropriate choices to achieve their own interpersonal communication goals The text highlights the fundamental interconnections between communication theory and practice and supports student skill development through explorations of key interpersonal communication concepts It includes discussion questions that challenge students to critically apply course content to their own experiences and every chapter includes a featured research study that illustrates how theory and research can inform communication practice After an opening chapter that provides an overview of the nature of communication goals each subsequent chapter focuses on managing a particular interpersonal goal The first section of the book explores how we manage information goals with chapters centering on disclosure and privacy uncertainty and gossip and rumors In the second section students learn about managing identity needs Dedicated chapters cover impression management social identity and stigma The remaining chapters center on managing relational goals with coverage of miscommunication power conflict deception social support affiliation forgiveness and sexual communication Providing students with rich strategies to help them achieve their communication goals in everyday life Advanced Interpersonal Communication is ideal for advanced undergraduate and graduate level courses in interpersonal communication      **Treatise on diseases of the skin for the use of advanced students and practitioners** Henry Weightman Stelwagon,1914      *The Journal of Advanced Therapeutics* ,1903      **The 11th IEEE International Symposium on Personal, Indoor and Mobile Radio Communications** ,2000  
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titled Abstracts of tuberculosis volumes 46 includes section titled Abstracts      **The Ohio State Medical Journal** ,1917  
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essential for making the right decisions required for new equipment design

## **Advanced Personal Communication** Book Review: Unveiling the Magic of Language

In an electronic era where connections and knowledge reign supreme, the enchanting power of language has been apparent than ever. Its capability to stir emotions, provoke thought, and instigate transformation is actually remarkable. This extraordinary book, aptly titled "**Advanced Personal Communication**," written by a very acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound impact on our existence. Throughout this critique, we will delve to the book's central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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### **Table of Contents Advanced Personal Communication**

1. Understanding the eBook Advanced Personal Communication
  - The Rise of Digital Reading Advanced Personal Communication
  - Advantages of eBooks Over Traditional Books
2. Identifying Advanced Personal Communication
  - Exploring Different Genres
  - Considering Fiction vs. Non-Fiction
  - Determining Your Reading Goals
3. Choosing the Right eBook Platform
  - Popular eBook Platforms
  - Features to Look for in an Advanced Personal Communication
  - User-Friendly Interface
4. Exploring eBook Recommendations from Advanced Personal Communication
  - Personalized Recommendations
  - Advanced Personal Communication User Reviews and Ratings

- Advanced Personal Communication and Bestseller Lists
- 5. Accessing Advanced Personal Communication Free and Paid eBooks
  - Advanced Personal Communication Public Domain eBooks
  - Advanced Personal Communication eBook Subscription Services
  - Advanced Personal Communication Budget-Friendly Options
- 6. Navigating Advanced Personal Communication eBook Formats
  - ePub, PDF, MOBI, and More
  - Advanced Personal Communication Compatibility with Devices
  - Advanced Personal Communication Enhanced eBook Features
- 7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of Advanced Personal Communication
  - Highlighting and Note-Taking Advanced Personal Communication
  - Interactive Elements Advanced Personal Communication
- 8. Staying Engaged with Advanced Personal Communication
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Advanced Personal Communication
- 9. Balancing eBooks and Physical Books Advanced Personal Communication
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection Advanced Personal Communication
- 10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
- 11. Cultivating a Reading Routine Advanced Personal Communication
  - Setting Reading Goals Advanced Personal Communication
  - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Advanced Personal Communication
  - Fact-Checking eBook Content of Advanced Personal Communication
  - Distinguishing Credible Sources

13. Promoting Lifelong Learning
  - Utilizing eBooks for Skill Development
  - Exploring Educational eBooks
14. Embracing eBook Trends
  - Integration of Multimedia Elements
  - Interactive and Gamified eBooks

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