

Advantages of digital more accurate, easily transmitted, possible cost savings.

Telephony voice communication over distance has shifted from analog to digital equipment.

Cell fones use cell towers transceiver station and mobile switching center.

Fones have many OS Palm uses webOS, Symbian now open source used by NokiaN8, Openmoko is open source. Most successful is Android by Google is Linux based.

gotomypc.com and logmein.com allow connection with your home computer from old cell phones.

Cell fone software: fone functions, to-do-list, contact manager, calendar, word, excel, outlook, PPT, games, email, Internet (see getjar.com for applications) 32GBsd cards have room for thousands of videos.

Communicating between smart fone and computer use card reader or USB port or bluetooth or use cloud.

Can be set to push. ALSO NFC AND WiFi broadcast can be done with out wires or Internet

Free info call 800 GOOG-411 OR TRY ChaCha 800-2chacha or text 242 242 with any kind of question and real human guides will find the answer. See p 372

Internet on smartfone provided by fone co called wireless ISP is usually separate pay plan. Speed is slower than cable. EDGE 3G as fast as 1.4 Mbps. WiFi in range is faster EDGE has less interference and is more reliable. 4G claim 100 Mbps but deliver 3 Mbps-6. MiFi devices instantly create a mobile hot spot. It used 3G network and converts it into a WiFi hot spot good for 30 feet. Ifone 3G has bluetooth tethering like Verizon's MiFi.

Tethering 3G signal giving Int access even if no WiFi gives Bluetooth access to your notebook.370 tethered downloads pay for music you download 979 Piggybacking accessing privet network without permission322

SPEEDS Edge in 13,000 cities 1 Mbps, 3G in 300 major markets .6-2.3 Mbps, WiFi hot spots 4-5 Mbps, 4G major cities 5-12 Mbps. On p 373.

VOIP create an account with skype.com converts Internet connection into a fone. Vonage.com lower cost but lower security and no 911 location.

Finding WiFi keychain fobs that light up when they detect a WiFi hotspot. Go to thinkgeek.com to get easy to use WiFi detector t-shirt.

Smartfones are ripe for viruses and identity thieves.

Virtual smartfone number at tossabledigits.com can even set up time to receive calls.

PMP portable media players GPS Navigation

Digital Certificate: electronic business card that verifys the sender of the data

MAC Media Access Control **address** a unique code in NIC and wireless adapter is like a fingerprint

SSL Secure Socket Layer encrypts your data so that it becomes very difficult to read by outsiders.

HTTPS secure web page

Globalization Digital society, Ethics

Code of Conduct is something that all humans should abide by.

Bring no harm to another by your action or inaction. Don't do to others what you would not want done to yourself. It appears in this age of terrorism that practicing and enforcing this through rule of law may soon be a matter of life and death for us. Terrorists must be eliminated from this planet 532 otherwise no one is safe. Terrorists must be marked and expelled from civilization or they will continue kill. Not if but when they get their hands on WMG they will kill millions to billions if you consider nuclear winter.

Intellectual property rights are your rights to profit from your mental work (papers, songs, books)

plagiarism taking credit for another's work

employee monitoring observing employees activities. It is very legal and upheld by supreme court.

Health concerns **RSI** Repetitive Stress Injury

CTS Carpal tunnel syndrome aggravation of nerve pathway on wrist

offshoring: relocation of an entire production line to another country

outsourcing: using an outside company to take over portions of the workload

ergonomics: designing things we work with to promote health

globalization: changes in society and economy resulting from international trade & cultural exchange

ethics: matters dealing with what is generally considered right or wrong

protocol a set of rules and programming allowing computers to talk with each other

Unicode a coding scheme that can code all of the world's languages so all can read them

What is the World language problem. There are over 5000 languages in use around the world. The world communication problem is a huge problem costing thousands of lives in aircraft and ship accidents, misunderstandings or disagreements that cannot be resolved because they cannot understand each others language so end up settling it with violence and death. American Internet users do not realize it but they are often shut off from getting complete information because it is posted in another language. English is very difficult to learn has the worst spelling of any language is very ambiguous and has over 2000 common idioms. **90% of the world's people do not understand English and will not learn it in our lifetime.** There have been thousands of deaths and very much misery caused by language nonunderstanding. Bad for Peace and trade. Visit **easiestlanguage,info**

Esperanto is an international vocabulary, quickest & easiest to learn, you can recognize over 1000 words of this language which can save thousands of lives if a few people from each community learn it.

It has speakers in over 100 countries. It helps people learn other languages and English.

The most time and cost efficient solution to the world language problem is international vocabulary now spoken in over 100 countries. You already know many words in this language. To learn more go to Esperanto.net. No it is not Spanish rather an easy to learn vocabulary based on international words.

What is big brother? In general the government or organizations spying on you

Is someone watching you? Yes Employer, Government, school (note camera by restroom, TIA, Echelon & other organizations. Who else is gathering information about you?

Who is selling information about you? **Intellius** an organization that gathers personal information about you & sells it **Choicepoint** an organization that gathers personal information about you and sells it

Echelon a spying program used by government agencies to record everything you do on the Internet and phone. **Google it! At least read what is in Wikipedia about it** Do we need it in this time of terrorism?

Carnivore is another spying program used by government agencies to monitor people.

libel deliberate act of defamation of character by making false statements of fact. defamation by written or printed words, or pictures

Slander to utter slander against means to defame a malicious, false, and defamatory statement or report

Law slander is defamation by oral utterance rather than by writing

heuristics: procedures that usually find a good solution in decision making process 442

Censorship the control of speech, reading matter, communication practiced around the world

Computer related jobs students can do to earn money, data recovery, tuning up computers, recovering lost data, making web pages, tutoring, helping people understand how to use computers

telecommuting & work at home offer great possibilities

Best way to find a job is networking.