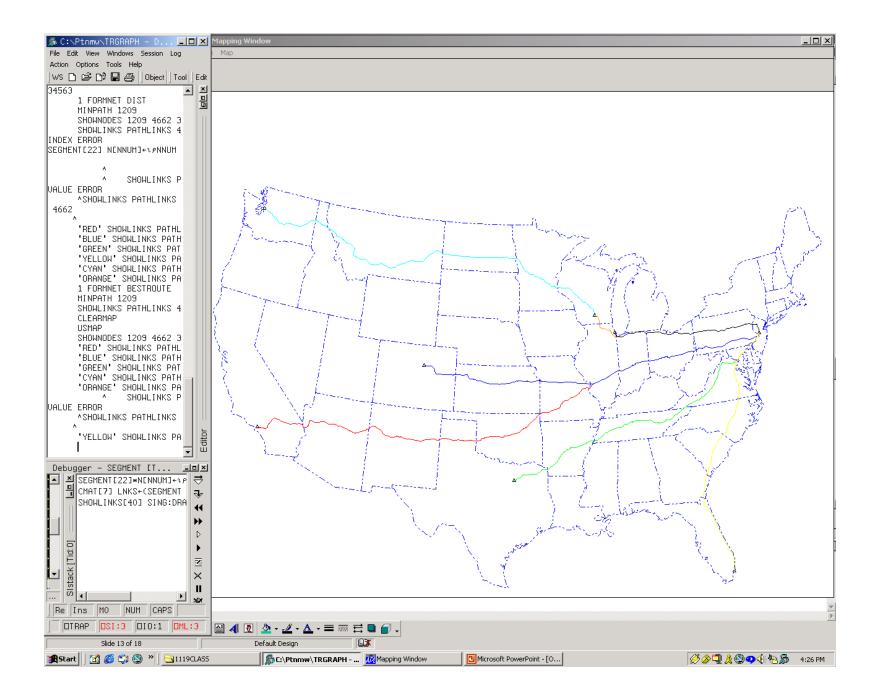
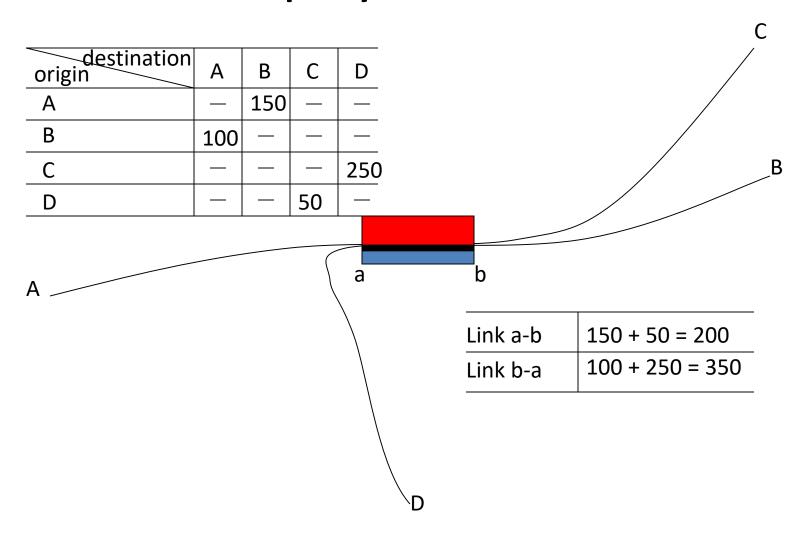


NationWideNetwork: <u>Links</u>, <u>Nodes</u>, <u>Readme</u> <u>NationwideSythesizedPersonTrips</u>



# Visual Display of Traffic Volume



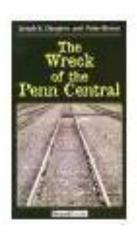
# Flow Map Examples

### Simply Files:

	CMD1		CMD2	
Link #	Vol A->B	Vol B->A	Vol A->B	Vol B->A
236.0	324.5	56.7	5,634.2	734.6
243.0	546.4	902.1	1,456.0	45.6

# **Corporate Upheavals**

- Merger of Pennsylvania RR and NY Central RR Feb 1, 1968
- Survived for only one year, bankrupt in 1969
- by 1975:
  - 7 bankrupt RRs in NE, (PC, Reading, LV, New Haven, Boston & Main, Central of NJ, Grand Trunk)
- In summer of 1975, geocoded 1<sup>st</sup> digital map database of the Northeast RRs as part of a Congressional Study on "The Final System Plan"
  - "... More downside risk than upside potential..."
  - "... cost \$7B not \$1B..."
  - "...no other reasonable alternative than to create ConRail..."
- Spent the next 25 years rationalizing the freight RRs system (unwinding the system from potential government ownership)
  - Privatization and eventual private sale of Conrail



# To help the Freight RR Industry

- We built PTNM/GIS
  - Princeton Transportation Network Model & Graphical Information System

**Tektronix 4013 Monochrome Graphics Terminal to IBM 370 Mainframe** 



# To help the Freight RR Industry

- We built PTNM/GIS
  - Princeton Transportation Network Model & Graphical Information System
- We realized that a major competitor to RRs were trucks
  - So we built a digital map data base of the North American highway system and extended it across the world.

**Tektronix 4015 Dual headed Mono Graphics Terminal to IBM 4300 Mainframe** 



**Tektronix 4025 Color Graphics Terminal to IBM 4300 Mainframe** 



# To help the Freight RR Industry

- We built PTNM/GIS
  - Princeton Transportation Network Model & Graphical Information System
- We realized that a major competitor to RRs were trucks
  - So we built a digital map data base of the North American highway system and extended it across the world.
- Motor carrier deregulation required/deserved a rating system that was based on actual routes & real miles not government tariff routes & imaginary "HouseHoldMoversGuide" miles
  - so PC\*Miler was born

#### IBM PC-AT w 19" Tektronix Color Monitor



## As Computer Power & Memory Grew

- About 15 years ago we started looking at Door-to-Door routing
  - Launched RoadTrips Door-to-Door in 1997
- Added GPS
  - launched Laptop version of CoPilot in Aug 1998
- Ported CoPilot to Casio's Cassiopeia
  - launched 1<sup>st</sup> PDA version of turn-by-turn navigation in 2000
- Ported CoPilot to Msft Mobile
  - launched 1<sup>st</sup> Copilot | Live focuses of communications in 2003
- Ported CoPilot to iPhone and Android
  - in the process of launching CoPilot on those platforms
- Our Future view continues to be committed to limiting the exposure and capturing the value of a dynamic transportation environment we call:

