

Mark D. Rose

mark.rose@tunnelradio.com

Personal:

Mark and his wife, Ramona, have been married for 29 years and reside in Corvallis, Oregon. They have six children.

Education:

Graduated from Juneau-Douglas High School in 1972

Graduated from Spartan School of Aeronautics in 1974 – Airframe/Engine systems A&P

Graduated from Northrop Institute of Technology in 1978 - Avionics

Licenses:

FCC CII Radiotelephone SHF Radar P2-11-40110

FCC General Radiotelephone PG-23-2671

FAA Single Engine Land

FAA Rotorcraft - Commercial pilot

FAA Airframe Technician

FAA Powerplant Technician

Patents:

Underground Wireless US #6,195,561; US# 6,041,216; and Canada 2,238,858

Innovations:

Designed modifications for a number of rotorcraft, including the SA365N Coast Guard S&R helicopter in use today

Designed 10 different wireless voice and data technologies under manufacture at Tunnel Radio of America

Work History;

Pilot / Mechanic / Technician for helicopter operator, 9 years

Chief of Maintenance for a fleet of helicopters during the Alaska pipeline years

Deep dynamic component overhaul ATL inspector certificate (FAA designee) and technician FAA RS-400 ERA helicopters

Avionics RS Manager (FAA designee) Livingston / ERA

Wien Air Alaska avionics / A&P - Boeing 737 qualified

Avionics / Land Mobile Communications company owner, 1982 - 1989 Alaska

Professional Memberships:

SME - Society of Mining Engineers

HAI - Helicopter Association of America

Major Projects;

Design / install Radio Communications 911 center City of Juneau, Alaska

Prime contractor to supply / install collision avoidance ARRPA radar system Alaska Marine Highway – 10 vessels

Design / install Greens Creek Mine wireless system 1988 in current use (25 miles)

Design / install Henderson Mine underground radio system (50 miles)

Design / install Homestake Mine radio system (75 miles)

Design / install Cascade (7.1mile), Stampede and Flathead (7.5 mile) VHF / UHF radio systems – BNSF

Design / install Alaska Whittier Tunnel complex multi-channel VHF wireless system

Design / install Moffat radio system UHF / VHF – UPRR (6.1 miles)

Approximately 500 miles of rail systems in the US and 2 foreign countries

Approximately 500 Miles of underground mine wireless system in 10 states and 4 foreign countries

Secure wireless military facilities work for SRA in 2004 and 2006

Complex wireless voice and data systems using multiple integrated networks and topologies for surface and underground use

System analysis, consulting and reporting relative to wireless performance and evaluation of all types of systems and applications