

# Peter R. Newell

P.O. Box 161  
Glenfield, NY 13343  
(315) 376-8879  
<http://www.pnewell.com>  
see web site for email address

## Major Educational Workshops, Youth, Technology-Related, and Public Service Activities:

- 2005 - present **Military Auxiliary Radio System (MARS)**  
MARS provides backup and emergency communications support to military and civilian authorities primarily in support of emergency services. As a MARS member, I design, construct, maintain, operate HF radio systems capable of short, medium, and long range communications using backup power and field antennas; and participate in daily radio nets and periodic emergency communications exercises to ensure readiness in case of emergency.
- 2001 - present **Coordinator, Lewis County Emergency Communicators Group**  
As Radio Amateur Civil Emergency Service (RACES) Radio Officer and Amateur Radio Emergency Service (ARES) Emergency Coordinator for Lewis County, NY, I plan, coordinate, implement, and participate in multi-agency emergency exercises, recruit and train new members, conduct on-air nets and exercises, and set up and operate HF and VHF radio equipment to provide radio communications during public events and emergencies.
- 1999 **Principles Of Engineering Case Studies Workshop** *SUNY Stony Brook University*  
3-week workshop with education and engineering professionals to implement POE curriculum.
- 1998 - 99 **VATEA Leadership Academy** *Hamilton-Fulton-Montgomery BOCES*  
Yearlong series of teacher workshops addressing NYSED Career Development & Occupational Studies Learning Standards, SCANS skills, local industry needs, etc.
- 1998 **New York Wired For Education** *NY Wired*  
Teacher workshop and project to help integrate information technologies into academic curriculum using HyperStudio, Power Point, HTML, the Internet, digital cameras, scanners, etc.
- 1995 - 97 **New York State Technology Education Network** *NSF/NYSED/Hofstra*  
3-year National Science Foundation Project to foster Math-Science-Technology integration. Main technical topics included CAD, Electronics, Computer Control. 150+ hours of workshops and advanced training at Hofstra University in 1995-96. Conducted teacher workshops in 1996-97.
- 1995 **Science Teachers Association of New York State**  
Co-presented Amateur Radio workshop and demonstration at 1995 state conference.
- 1994 - 96 **Herkimer County BOCES - Engineering Technology Program Development**  
Served on committee to develop the program. Later specified equipment as a consultant to the BOCES.
- 1994 **NASA - SAREX**  
Member of volunteer team which set up and conducted a two-way radio contact between the space shuttle and students as part of NASA's Shuttle Amateur Radio Experiment educational program.
- 1993 - 97 **Milton J. Rubenstein Museum of Science and Technology (Syracuse, NY)**  
Member of Amateur Radio station planning and implementation committee.
- 1993 - 95 **New York State Association for Computers and Technologies in Education**  
Presenter at state and regional conferences.
- 1993 - 94 **Learning Facilitator - Project LIGHT**  
(Business-education partnership between General Electric and Syracuse City School District.) Tutored high school physics students. Developed and conducted technology activities utilizing Amateur Radio as a learning and motivational tool in middle school science classes.
- 1990 - 2010 **Civil Air Patrol (US Air Force Auxiliary)**  
Assistant Emergency Services Officer; Communications Unit Director; Ground Search Team Leader; Adult leader in Cadet Squadron. (*Various positions/assignments throughout the period.*) Planned and coordinated squadron activities. Provided instruction to cadets and senior members in radio communications and search and rescue techniques. Coordinated local emergency services exercises.