

Carlton H. McGahee, CPE
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US Citizen

Volunteer in Park (VIP) Experience

2/2010 to Present

VIP Capitol Reef National Park, UT (CARE)

Worked as photographer and videographer for Cultural Resources Group and Law Enforcement (back country rescue). Provided documentation record for: park events, oral interviews, training programs, living histories, interpretive installations, pictograph & petroglyph sites, and research submitted to UT State Historic Preservation Officer & archeological management information system (ASMIS).

Provided graffiti mitigation and conservation of petroglyph and pictograph sites of earliest Fremont culture inhabitants in CARE, Utah. Trained under the direction of PhD Jannie Loubser, Stratum Unlimited, LLC.

2/2000 to 12/2010

VIP San Antonio Missions National Historic Park (SAAN), San Antonio, Texas

Completed 80 hours VIP interpretive training. Provided interpretive division support at all missions including: San Juan, Espada, Concepcion, & San Jose. Provided photography & video for events and living history demonstrations of Spanish settlers, Coahuiltechan & Choctaw tribes.

9/1975 to 9/1978

VIP Guadalupe Mountains National Park (GUMO) Van Horn, TX

Provided photography and produced audio-visual programs used at visitor center for the GUMO interpretive division. Provided elk herd photography and trail reviews for hikers. Provided supervision of Youth Conservation Corps summer programs at the Living Desert State Park Carlsbad, NM and National Forest Service environmental education programs near Cloudcroft, NM.

1/1973 to 7/1975

VIP Ocmulgee National Monument (OCMU) Macon, GA

Completed National Environmental Study Area (NESA) training provided by the National Park Service Atlanta, GA Regional Office. Provided environmental education as part of secondary level curriculum to Earth & Life Sciences. Provided photography of Native American (Creek & Choctaw) summer living history programs and life-style demonstrations.

Work Experience

12/1990 to 12/2010

Executive Technical Consultant/CPE for The Hartford Home Office, Hartford, CT

Provided: ergonomic solutions for national accounts through client workstation reviews & design (Certified Professional Ergonomist/CPE). Evaluated: equipment safeguarding, loss control methods, continuous improvement priorities & facility planning. Made video & photographic documentation of client practices and workers compensation loss incidents to establish system engineering changes for risk exposures, and elimination. Produced seminars for: client management, The Hartford regional & home office staff in best ergonomic, material handling, equipment-safeguarding compliance & design. Produced site safety surveys and recommendations for risk factors.

9/1983 to 1/1990

Site Safety Manager for BDM International at White Sands Missile Range, NM

Managed site and system safety programs & staff to support daily industrial operations, metal fabrication, mission tests, continuous improvement techniques, human factors engineering, and writing of standard safety operating procedures at WSMR, NM for the DOD. Research operations covered the high-energy laser system test facility (HELSTF), Defense Advanced Research Projects Agency (DARPA), and the ground based free-electron facilities system safety design contract for the strategic defense initiative (SDI).

Earlier Experience

1/80 to 7/83

Mine Safety Engineer for Mississippi Chemical Corporation Carlsbad, NM

Provided risk management, industrial hygiene surveys, regulatory compliance citation abatement and mine EMT services. Work produced site safety surveys for surface & underground facilities for potash mining, ore milling and rail shipping. Conducted hazard assessment of electrical installations, operator practices, stabilization of mine strata & support pillars, underground shops, machine safeguarding, ventilation, and verification of remedy. Provided incident investigations, photos and supervisory training to eliminate operational losses. Conducted surveys with MSHA compliance officers for both surface and underground operations. Managed the mine rescue team, training, and equipment facility for immediate availability.

Secondary Level instructor

9/72 to 9/79

Taught Environmental Education, Earth, Life and Chemistry sciences (FL, GA, TX, NM).

Education

Mercer University Macon, Georgia 20 hrs to MA in Science Education
University of South Florida Educational Teacher Certification 9 graduate hours
University of South Florida, Tampa, Florida: **BA Chemistry**

Professional Affiliations:

Laser Institute of America
Board of Certification in Professional Ergonomics

Professional Certifications

Certified Professional Ergonomist (CPE/certified in professional Ergonomics and Human Factors Engineering through the Board of Certified Professional Ergonomists Bellingham, WA)
Mine Safety and Health Administration (MSHA) Instructor
Mine Rescue Operations Instructor
Emergency Medical Technician

Corporate Publications & Video: Workplace Ergonomics

“Your Computer and Your Office Environment” #102581 printed 1997; for The Hartford- Hartford, CT 06115
“Your Visual Display Terminal” & “Exercises for you” #102954 produced 1998; for The Hartford- Hartford, CT 06115

Reference Contact

Mike Caviness (Colleague)
H & P Los Alamos National Lab, NM 505-927-6200

Don Nash Site Manager
BDM operations at White Sands Missile Range, NM 505-294-4649

Bob Parman (Client) Manager
Southwest Research Institute San Antonio, TX 210-679-5329
Presently: Environmental Resource Management Tallahassee, FL