

CURRICULUM VITAE

Marilyn "Stryker" Dudley-Flores¹

Recent post:

Field Research Social Scientist
Human Terrain System
U.S. Army

GS-15 Equivalent
Management/Supervisory
Mission Essential
Clearance: **SECRET**
Deployed: Afghanistan, Kuwait

A specialty appendix may be attached. This CV gives my general background according to:

- Education
- Other Education
- Professional and Academic Positions Held
 - Public Diplomacy, International Relations, International Law, and International Criminal Justice
 - Military/Department of Defense
 - Journalism, Public Relations, and Public Opinion (As a Civilian)
 - Technical Writing – Municipal Projects
 - Legal and Law Enforcement
 - Legislative/Political Work – 1980 to Present
 - Work Abroad
 - Managerial/Administrative/Project Management
 - Teaching
 - Other Academic Employment
 - Geo- and Environmental Sciences Work
 - Non-Military Non-Traditional and Working-class Work Experiences
 - NASA and Astronaut-Related Work/Events
 - Non-Military Non-Traditional and Working-class Work Experiences
- Sample Publications and Presentations
 - Books and Book Chapters
 - Journal Articles and Technical Papers/Related Presentations
 - Presentations and Briefings Only
- Honors and Grants
- Professional Societies

EDUCATION

Ph.D. Sociology. 2000. The University of South Carolina, Columbia, South Carolina.

¹ "Dudley-Flores" is a relatively recent artifact from my 2002 re-marriage. I have published widely under the name "Dudley-Rowley" and have only recently started to publish under "Dudley-Flores."

Dissertation demonstrated the first quantitative evidence for why some extreme environmental work teams develop a group state known as third-quarter syndrome or phenomenon after the mid-point of their missions and why others do not.

M.A. Anthropology. 1988. University of Alaska, Fairbanks (UAF). Subdisciplines: Geoarchaeology and Aerial and Satellite Remote Sensing.

Thesis demonstrated how to find archaeological sites in the Arctic with remote sensing technology.

M.A. English. 1984. University of Alaska, Fairbanks.

Thesis pointed out the themes of Alaskan literature based on Alaskan socioeconomic phases.

B.A. English (including journalism courses). Social sciences minor. 1974. Winthrop College (University).

Literary and journalism highpoints during and directly following this period included the publication of over 20 poems, the publication of numerous news stories and news features, and a substantial correspondence with the great Canadian literary critic Northrop Frye that is housed and catalogued at the archive at the University of Toronto.

OTHER EDUCATION

Numerous certifications: Completion of Human Terrain System Training, National Institutes of Health's Protecting Human Research Participants course, Geneva Conventions, SERE 100, SAEDA, Anti-Terrorism Level I, DoD Information Assurance, Suicide Prevention, Combat Stress, Fraternization, Army Values, Military Code of Conduct, Uniform Code of Military Justice, General Orders, Combating Trafficking, Afghanistan Country Study, Rules of Engagement, May – November 2008.

Certificate, Immersion Seminar on the Language, Culture, and History of Afghanistan, Center for Afghanistan Studies, University of Nebraska-Omaha, July 2008.

Italian language courses, College of Marin and Santa Rosa Junior College, Spring-Fall 2007.

Military specialty certifications and On-the-Job (OJT) Training in: stock control and accounting; Arabic language and Middle Eastern cultures; combat mountaineering and cold weather training; print and photojournalism; and field medical operations, 1974-1976.

Post-baccalaureate enrichment studies in education, public administration, history, geography, Mountainclimbing/Outdoor School, and languages at the University of Alaska, Anchorage, Washington State University, and the University of Alaska-Fairbanks, 1977-1989.

Languages most studied include: French, German, Russian, Spanish, Arabic, Inupiaq Eskimo, and Italian. Studied in less depth were Farsee, Pushtu, Hindi, Urdu, and a number of other Southwest Asian languages, as well as some indigenous American languages. Most recent languages studied formally are Italian and Dari (an eastern dialect of Farsee).

Certification. California Institute of Technology/NASA Jet Propulsion Laboratory, Planetary Sciences Summer School, 1997.

Clinical Counselor Certification (SC-DAODAS) and CAC II (SCAADAC). 1995 – present.
Current.

Over 200 units in clinical topics from several teaching hospitals, colleges, and universities, to include the Medical University of South Carolina (MUSC).

PROFESSIONAL AND ACADEMIC POSITIONS HELD

Public Diplomacy, International Relations, International Law, and International Criminal Justice

1978 - 1982

Volunteer. Muslim Students' Association of America and Canada (MSA) Washington State University (WSU) Chapter (as a means to maintain semi-immersion in Middle Eastern languages and culture).² In this role I:

- Co-organized a sizable Islamic conference in Pullman, Washington that featured attendees and speakers from other states, provinces, and nations
- Was elected to a MSA WSU Chapter Office³

Criminal Justice Contractor. My information-gathering services to state and federal law enforcement agencies, in relation to concerns of a federal grand jury convened in Anchorage (described below under “Legal and Law Enforcement”), became counterintelligence and counterterrorism in nature when, in the course of my duties, I began to penetrate of-interest groups living and working in Alaska. These groups included Balkan nationalists, Irish Republican Army officers and men, a Palestinian Liberation Organization general and his Alaska support network, and Contra-Era Latin Americans linking to a former CIA paramilitary and graduate of the School of the Americas living in Fairbanks.

Chief Negotiator (with Dr. Louis Dupree). The rescue and relocation of about 1,000 Kara Kirghiz Central Asians from the Wakhan Corridor of Afghanistan to the Turkey-Iran border country, among the Kurds near Lake Van, effectively preventing their genocide at the hands of invading Soviets. It was the first mass Afghan refugee airlift in history. To motivate this, Louis and I plumbed our networks within governments, on the American political front, and within the media. In the days before the Internet, the chief telecommunications medium helpful to us was the telephone and telegraph service of RCA-Alascom, the system that had been installed for the construction of the Trans-Alaska Pipeline.

A sampler of persons and organizations that assisted our effort follows:

² Arabic, Farsee, and Pushtu or any other related language were not being taught at the Defense Language Institute during this time period. Recognizing the need, I lobbied for those languages to be taught at the time.

³ I experienced firsthand an acceptable Muslim exception to a democratic election: A few minutes after my “win” was announced, a young Arab man came into to the MSA WSU chapter meeting late, announced happily that his wife just gave birth to a son, and my elected MSA office was awarded to him on the spot.

<p>Primary agency partner with Louis and me in the project: U.S. State Department</p>	<p>Workers doing legwork in the field for us were from: U.S. Agency for International Development (U.S.A.I.D.) International Rescue Committee (IRC) Various Christian Missionaries World Wildlife Fund</p>	<p>Foreign officials assisting from: Pakistan Turkey</p>	<p>Some VIPs and American politicians assisting: Lowell Thomas, Sr. Then-Congressman Jim Jeffords, Vermont The Alaska Congressional delegation Alaska State Rep. Pappy Moss</p>
<p>Some supporting organizations on stand-by at the time of the rescue/relocation: U.S. Navy Hospital Ship <i>Hope</i> VISTA Tolstoy Foundation International YMCA Ford Foundation Cultural Survival, Inc. (Harvard University)</p>	<p>Louis had had affiliations with: American Universities Field Staff comprised of 11 or 12 different cooperating institutions.</p>	<p>Louis had advised and consulted on Afghanistan for: The Governments of West Germany, France, Denmark, Sweden, Norway, England, and Australia and the U.S. State Department, the Peace Corps, the National Security Council, the CIA, U.S.A.I.D. and the United Nations.</p>	<p>Other scholars and community leaders in Alaska providing advice and assistance: Dr. Niilo Koponen Dr. Fred Milan Mr. Emil Notti</p>

Sampler of media organizations providing coverage:

<p>Radio Voice of America Radio Free Europe Canadian Broadcasting Company Radio Moscow National Public Radio</p>	<p>News Wires Reuters News Wire Associated Press United Press International</p>	<p>Magazines <i>Asia</i> <i>National Geographic</i> <i>Asian Affairs</i></p>	<p>Newspapers <i>Seattle Post-Intelligencer</i> <i>The Toledo Blade</i> <i>The New York Times</i> <i>The Los Angeles Times</i> <i>Christian Science Monitor</i> <i>Harvard Crimson</i> Several Alaskan newspapers</p>
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1983 - 1989

With Dr. Fred Milan, an important *de facto* public diplomat out of the cold regions science and medical communities (International Union For Circumpolar Health), we continued to collaborate

on a number of projects. A notable one was contributing to a Soviet documentary on Wrangel Island, Chukchi Sea.

I continued a correspondence with Dr. Alexei Polazhaev at the Institute for Biological Problems of the North (IBPN), Magadan, who had heard my presentation in Finland on reindeer and caribou and herding cultures.

1990 - 1992

Thwarted at every turn to re-enter and serve the US Army as an officer providing scientific and technological know-how preceding and during the Gulf War, I pulled together a civilian team of social scientists, statisticians, jurists, and former military professionals, including former members of the Special Forces, in order to bring science to bear to help liberated Kuwait. Our project was the Kuwait Victimization Assessment Data Base (KVAD).

I was doing research and teaching at The University of South Carolina at the time in the Sociology Department. Our department was on the forefront of social structural innovation, part of a "Great Group" of social scientists from other social scientific departments throughout the United States making big strides in social network analysis and other analytical concepts. I worked alongside the creator of UCINET and ANTHROPAC.⁴ At its height, about half of our small sociology department was involved in some fashion on the KVAD team. The KVAD teammates worked alongside some of the seminal SNA thinkers in our university jobs, and those of us in graduate programs studied with them as well. Some of them acted as consultants on the KVAD. I was studying doctoral-level research methods with Dr. Katie Faust in the Spring of 1991 who was writing a major statement on SNA.⁵

Anticipating an international criminal tribunal would be convened to bring justice and reparations to Kuwait, my team expected to deploy to liberated Kuwait to perform the KVAD research. For this research, we designed a methodology combining survey research methods, social network analysis (SNA) and other social structural techniques, statistical applications, and satellite and aerial remote sensing and GIS applications to serve the tribunal to determine personal and organizational damages and, thus, reparations in the wake of Iraq's invasion of Kuwait.

When the tribunal was not convened, I turned our Kuwait Victimization Assessment Data Base (KVAD) methodology over to the UN research division through collegial ties. Not long afterwards, colleagues began bringing to my attention news of our same methods being used to pinpoint war crimes and perpetrators in the Balkans.

Our methods and what we tried to do for Kuwait foreshadowed the use of social network and other analytical concepts in military environments that are featured in their basics in Appendix B of FM 3-24 (MCWP 33.3-5) *Counterinsurgency*, which was not published till December 2006.

There is no doubt that the give-and-take of intellectual discourse and our attempts to find practical applications for these concepts during this time period at The University of South Carolina and at our sister locations, to include The USC's Geography Department,⁶ are part of the

⁴ I was a beta-tester of an early version of ANTHROPAC, and encouraged creator Steve Borgatti to market the application during this time period.

⁵ Wasserman, Stanley, & Faust, Katherine. (1994). *Social Network Analysis: Methods and Applications*. Cambridge: Cambridge University Press.

⁶ Dr. David J. Cowen in The USC's Geography Department was a major innovator in the integration of GIS

evolution of SNA and related analyses for military use. The social structural concepts and methods used in various MAP-HT applications (Analyst Notebook, ANTHROPAC, UCINET, ArcGIS, etc.), used by the US Army's Human Terrain System, are part of the evolutionary lineage downstream of what we tried to do over a decade and a half ago.

1992 - present

I participate till this day in international aerospace sciences and engineering conferences.

I played several roles concerning the Russian space station simulation, SFINCSS-99 (the "Simulation of Flight of an International Crew in a Space Station"). See the following for a description of that project:

http://www.space.com/news/spacestation/isolation_russia_000412.html

<http://hfetag.com/briefs/56-t-e-Dudley-Rowley.pdf>

I became a collaborator-partner of The International Science and Technology Center, ISTC, Moscow, Russia, and remain in that role till this day.

I liaison'd between Alaskan Russian Orthodox officials and officials with the Diocese in Moscow for the trip to Alaska made by the descendent of the Venerable Ioann (Innokenty) Veniaminov. The descendent himself was a high Russian Orthodox Church official and surnamed Veniaminov, 2001.

In 2003, with Thomas Gangale, George E. Seymour, and Claudio Maccone, I designed and proposed to government agencies the methodology for "Needle-in-a-Haystack Analysis of SIGINT Archives For Proximal Real-Time Response" This was a joint OPS-Alaska and Space and Naval Warfare Systems Command (SPAWAR) project proposal. In short, we recommended the application of a mathematical transform used in radio astronomy for rapid identification of terrorist users of electronic communication, for archived and incoming traffic.

"The Transnationalization of Terror – a Human Factors Approach to Networks of Personnel, Materiel and Technologies, and Locations," A proposal submitted to the NATO Manfred Woerner Fellowship, 2004-2005 Programme, NATO Academic Affairs, January 2005.

I became a member of the former USIA Alumni Association (now known as the Public Diplomacy Alumni Association) and the Foreign Service Association of Northern California (FSANC). I remain so till this day.

I engaged the Foreign Service training and testing process, preparing with the help of three diplomats-in-residence: Ambassador Janet Sanderson (UC-Berkeley) and senior Foreign Service Officers Les McBee (UC-Berkeley) and Celio Sandate (Stanford University).

I recognized deficits in the recruitment and testing processes, made recommendations, and also made recommendations for substantial improvement in the career tracks of junior to senior Foreign Service Officers. I conveyed these recommendations in person to Ambassador J. Anthony Holmes, a member of the Council on Foreign Relations, who was the President of the American Foreign Service Association in 2006. My recommendations can be viewed in my paper

and remote sensing techniques.

written for *The Foreign Service Journal*, "Transformational Recruitment: Beyond the American College Testing Model."

With Thomas Gangale, I co-authored on a number of publications and presentations about international legal issues concerning aerospace topics. Our papers on this subject are being used by The Aerospace Corporation to advise senior NASA officials at NASA Headquarters in Washington, D.C. Gangale's sole-authored book manuscript is now being considered for publication by Praeger Security International

Thomas Gangale and I are making advisories to U.S. presidential candidates and Congresspersons concerning a number of issues at the intersection of aerospace concerns, global warming, alternative energy, postsecondary education, and public diplomacy. A sample of a single issue that we recently discussed with congresspersons were the advantages of the Jupiter stack configuration vs. the Ares stack configuration for the next American launch system.

Military/Department of Defense

1974-1976

U.S. Army Quartermaster Center and School

Selected as Editor. Training texts and materials for the U.S. Army Quartermaster Center and School for Arabic-speaking officers and non-commissioned officers from Middle Eastern militaries. Fort Lee, Virginia.⁷

For the 172nd Arctic Light Infantry Brigade

Clerk, "B Shop," Ordnance and heavy equipment facility, Company B, Support Battalion, 172nd Arctic Light Infantry Brigade (Maneuverable), Fort Richardson, Alaska. (First woman to work in the shop.)

Combat mountaineer (first Army woman). Eklutna Glacier field training site, Chugach Mountains, Alaska.⁸

- As covered in "Eklutna: Happy Home in a Happy Wilderness," *Snowhawk Life and Times*, Volume 12, Number 12, an Army publication with worldwide distribution.

Selected for combat mountaineer courses in leadership and assault climbing, Northern Warfare Training School, Black Rapids field training site, Alaska.

Became the feature editor, a staff writer, and a photojournalist for the *Snowhawk Life and Times*, Brigade Information Office. Supervisor: LTC H. Norman Schwarzkopf. When newly promoted COL Schwarzkopf left Fort Richardson, Alaska as Deputy Post Commander, the Brigade Information Office was shut down. I returned to a Quartermaster function as follows.

⁷ Instructors at the Quartermaster School were not able to break my Unit-of-Choice enlistment contract and I was sent on to Alaska over the need for me at the School and my wish to alter the contract and remain at Fort Lee to edit the texts.

⁸ While other women were at the site, they did not participate in the training. Subsequent cycles of training did see women fully participating rather than largely observing.

Quartermaster Support Staff. Field Medical Operations. Company C "Charlie Medics," Support Battalion, 172nd Arctic Light Infantry Brigade.

222 training hours, Precommission Course, Infantry School coursework, *documented* in my General Education Development Individual Record, AR 621-5.

I was able to separate from my Army enlistment early in order to enroll in Army ROTC. In my final months with the 172nd, I served as the Brigade's Historian.

Historian. 172nd Arctic Light Infantry Brigade. Currently known as "the 172nd Stryker Brigade."

1976-1978

Student, Senior Army Reserve Officer Training Corps, University of Alaska-Anchorage. (About a year into my program, Congress discontinued the college ROTC program in Alaska. I was able to enroll in Air Force ROTC at another university.)⁹

Top scorer. Air Force Officer's Qualification Test.

Student, Senior Air Force Reserve Officer Training Corps, Washington State University.¹⁰

1984-1990

Member, Society of American Military Engineers (SAME). I attended meetings and events at Fort Wainwright, Fairbanks, Alaska.

Selected for field examination board for scientific and technical direct commission to the rank of Major, Army Corps of Engineers. Fort Wainwright, Fairbanks, Alaska.

Selected for direct commissioning processing as 2nd Lieutenant, Army National Guard, Anchorage, Alaska.¹¹

1999-present

Technical Advisor. U.S. Department of Defense Human Factors Engineering Technical Advisory Group (by invitation only).

Subject Matter Expert. Invited. Human Systems Information Analysis Center (HSIAC <http://iac.dtic.mil/hsiac>), a Department of Defense Information Analysis Center, sponsored by the

⁹ Attracted by officer recruiter's promotion of potential entrée into the third or later class of women being trained to fly high-performance aircraft.

¹⁰ After all of that, I was not able to continue owing to the failing health of a family member in Alaska.

¹¹ I had already been denied entry into the Army Corps of Engineers owing to my gender. (I would have probably been the first military woman to serve as an Engineer in a field-grade rank had my processing not been stymied.) Next, portions of my Alaska National Guard officer commissioning paperwork that was in processing (as a fall back avenue for an officer's commission) was apparently lost when the Alaska ANG was mustered to the Presidio in San Francisco during the Gulf War. I never heard what happened to that commissioning effort. Had I been able to produce my commissioning packet in its entirety, officer recruiters in Columbia, South Carolina (where I was by this time in my doctoral program) would have been able to fast-track me as an officer in the regular Army during the Gulf War.

Defense Technical Information Center, technically managed by the USAF Research Laboratory's Human Effectiveness Directorate and operated by Booz Allen Hamilton.

On SAIC expert list

Military Honors and "Firsts"

- Among the first women to train with the M-16 rifle. Army Sharpshooter Badge. Fort Jackson, South Carolina.
- Among the first women to train in gender-heterogeneous situations. Fort Jackson, South Carolina; Fort Richardson, Alaska.
- The first Army woman trained as a combat mountaineer.
- Among the first women to wear the infantry rope and insignia on her uniform.¹²
- The first woman to wear the beret of the 172nd Arctic Light Infantry Brigade.

On other training exercises, I was typically the only woman or part of a tiny group of women participating. These were:

- Survival training participant and consultant to Co. B, Support Battalion, 172nd Arctic Light Infantry Brigade
- *Ace Card Chulitna* Field Training Exercise (FTX), 1975
- *Jack Frost* Joint Training Exercise (JTX), a large annual American-Canadian armed forces training exercise, assisting with media functions, COL H. Norman Schwartzkopf, Deputy Post Commander, 172nd Arctic Light Infantry Brigade, 1975-January 1976
- While enrolled with Army ROTC, designed field training (tactical) exercises for Army ROTC cadets, 1977

Journalism, Public Relations, and Public Opinion (As a Civilian)

Positions Held

Early 1970s

Contributing Reporter and Feature Writer:

Rock Hill Evening Herald, Rock Hill, South Carolina (daily) and other South Carolina newspapers

Show Host, WCRO-AM, Rock Hill, South Carolina.

Mid-to-Late 1970s

I worked on staff briefly at the semi-daily Washington State University newspaper, *The Daily Evergreen*, Pullman, WA.

¹² When I worked for the Brigade Information Office, answering to COL Schwarzkopf, my company was the HHC of the 172nd Arctic Light Infantry Brigade. From recent feedback I have received, women in such modern situations may not wear the Infantry trappings on their uniforms -- or else they may not work for HHCs in today's Army environment. My official head-to-toe military photograph is available for inspection.

Investigative Broadcast Journalist, Show Host, and Producer, News Director for Mutual Broadcasting Network Affiliates KRXA (Seward, Alaska) and KIAK (Fairbanks, Alaska)

From 1977-1979, I produced and hosted over 30 radio specials for Mutual Radio Broadcasting System affiliates in Seward and Fairbanks, Alaska over various social problem topics of interest to the community: mental and physical health of the elderly, policies concerning the elderly, the rape examination, domestic violence, the plight of the unemployed, etc. I routinely had two regular shows of my own to produce and I made weekly national reports from Alaska for the Network for national airing. My radio special on pipeline union reformers was the item that got me noticed by the task force headed up by the U.S. Justice Department's Organized Crime Strike Force and led to my being recruited into the criminal justice work that I describe in this document.

I also shot stock footage and produced documentary films with Yupik Eskimo-speaking owner, George Miller, of Takotna Video, Anchorage, Alaska.¹³

I and my colleagues at KRXA-AM instigated action from Governor Jay Hammond's Office to resolve a triple avalanche crisis that cut off the highway link between Anchorage and Seward, Alaska.

Late 1978 - 1981

I partnered with two other Alaska Chapter National Press Women on a for-profit company, Winds of Change Productions, for the purpose of writing a book manuscript that went on to be used by the U.S. Congress to tailor the Alaska National Interest Lands Conservation Act (ANILCA, below).

I partnered with Mr. Dale Horn, program manager of KIAK-AM, Fairbanks in founding Totem Productions, a full-service media company. When Dale left Alaska, I changed the name of the for-profit company to Rowley Media Services. Rowley Media Services was instrumental to the evolution of OPS-Alaska, the think tank.

I managed a PROD slate of reform candidates for Alaska Pipeline union officerships. (PROD, the Professional Drivers' Council, is a Ralph Nader organization.)

1980 – present

I have contributed to a plethora of news stories, news features, op-eds, magazine features, radio broadcasts, and documentary films. Themes run the gamut: aerospace issues, issues of cold and polar regions, the Kara Kirghiz, maritime disasters, community interests, union-related violence, law enforcement, health, and the transnationalization of terror. A sampler follows:

Magazines and Journals

- *Asia*
- *National Geographic*
- *Arctic*
- *Ciel et Espace*

¹³ Recently, a museum in northern Japan contacted me about wanting a copy of a Takotna Video film.

- **Cover:** *Discover*, with Patrick Nolan, interviewed with William "Speed" Weed, Contributing Editor, on the psychological challenges of space flight

Newspapers – Daily and Semi-Daily

- *The Herald*, (Rock Hill, South Carolina)
- *The Florence Morning News*, (Florence, South Carolina)
- *The Anchorage Times*
- *Seattle Post-Intelligencer*
- *The Toledo Blade*
- *The New York Times*
- *The Los Angeles Times*
- *Anchorage Daily News*
- *Fairbanks News-Miner*
- *The State* (Columbia, South Carolina)
- *The People-Sentinel* (Barnwell, South Carolina)
- *The Index-Journal* (Greenwood, South Carolina)

Newspapers --Weekly/Semi-Weekly

- *The Darlington Post* (Darlington, South Carolina)
- *The Seward Phoenix Log*, Seward, Alaska
- *The Alaska Weekly*, Fairbanks
- *The Harvard Crimson*

Conventional Radio Features and Webcasts

- National Public Radio
- Voice of America
- Radio Moscow
- Radio Free Europe
- BBC, Radio 4, Edinburgh, Scotland.
- "Radio Orange," 94.0 FM, Vienna, Austria.
- *The Space Show*, online radio show

Wire Services

- Reuters
- United Press International
- Associated Press

Television and Film

- Canadian Broadcasting Company
- BBC
- *National Geographic*.
- TVF, a London-based television production company
- Irish film company
- Dutch Television

- Soviet television documentary
- Discovery Channel, acting as a consultant for NASA-Ames, gave on-camera interview
- TechTV, San Francisco.
- KFTY-TV (Channel 50), Bay Area, California.
- **Recently:** NHNZ-TV, PO Box 474, 8 Dowling St., Dunedin 9016, New Zealand (Technical Consultant for a reality show series about a Mars rehearsal mission for Science and Discovery Channels. Several people would be confined to a mock-up of a Mars habitat and various environmental and social psychological problems would have to be resolved.)

Technical Writing – Municipal Projects

1978 - 1989

One of my more “normal” jobs (and enjoyable):

- I provided technical writing services to the City of Seward, Alaska.
- I provided technical services to Philleo Engineering, Inc. concerning various public works in and around the City of Fairbanks.

Legal and Law Enforcement

1978 – 1983, in the main, and residually continuing through the 1980s

Criminal Justice Contractor/Consultant. Coming to their attention in my job as an investigative news reporter with Mutual Broadcasting affiliates in Alaska, federal agents and their associates recruited me into this role. These agents and their associates were specific to the U.S. Department of Justice’s Organized Crime Strike Force. Their interest largely had to do with illegal business and financial transactions of businesses and banks connected with the Trans-Alaska Pipeline economy and those unions involved in the construction of the pipeline. Coming in, I had a reputation for my stories getting action, like the rebuilding of the overland link between Anchorage and Seward after a triple avalanche. At first, my work was not much different from my investigations to follow up a news story. I just couldn’t blast my findings all over the airwaves. I had a selective “audience.” And, as touched on above, I provided research and information gathering services for a federal grand jury, convened in Anchorage, in collaboration with agents of the U.S. Department of Justice’s Organized Crime Strike Force (San Francisco), FBI, Criminal Investigation Division of the I.R.S., and the U.S. Labor Department. At issue were the activities of several Alaska oil pipeline unions and banks and businesses in Alaska, Washington, and California.

However, my information-gathering services to these federal law enforcement agencies expanded as investigations revealed other activities and my work became better known within criminal justice circles. With federal agencies and later, also with the Alaska Statewide Narcotics Enforcement Unit, my work became counterintelligence and/or counterterrorism in nature when, in the course of my duties, I began to penetrate of-interest groups living and working in Alaska. These included deviant union figures and groups trying to penetrate my circle of colleagues working for the Feds. Other groups included Balkan nationalists, Irish Republican Army officers and men, a Palestinian Liberation Organization general and his Alaska support network, and Contra-Era Latin Americans linking to a former CIA paramilitary and graduate of the School of the Americas living in Fairbanks, and who was engaged in a human trafficking and drug smuggling ring, and who used pipeline union halls and a Fairbanks restaurant from which to stage

his activities. There was a degree of overlap among these groups on various points that made this work interesting. But, it was also dangerous work.

Methods and Equipment:

- I was, in general, familiar with social network analysis (SNA) and similar analytical techniques from my prior studies, though certainly not at the level as I later attained where I began to make innovations. I could link A with B, ascertain how closely related people were, etc.
- I could content-analyze documents, but not to the degree that I was later able – this included content-analysis of Spanish-language documents.
- I was often armed with a Colt-45 automatic or a smaller Bernardelli-model pistol for both “in the field” and home/office protection
- I used traditional detective techniques and equipment, for example:
 - I entered the main Alaska Teamsters Union hall in Anchorage “wired” on one occasion
 - I staked out the Fairbanks International Airport armed with a camera, surreptitiously taking photographs of persons of interest getting off of airplanes from the North Slope
 - Interviews
 - I adopted a variety of plausible personae for face-to-face interaction with perpetrators, which weren't too difficult to manage because I had a finger in a lot of public activities and had worked in many different occupations by this time:
 - Writer, looking for a story
 - Waitress in a union establishment
 - Publicist for a labor leader
 - Union member of two different unions
 - Interested affiliate of the Alaska Independence movement
 - University student, etc.

In 1984, Senators Ted Stevens and Frank Murkowski got passed federal legislation that backdated and made legal a good deal about the earlier business and financial transactions that had been illegal -- that my colleagues and I had investigated. As our federal agent colleagues left Alaska, moving on to other cases elsewhere in the nation, their associate colleagues, recruited out of Alaskan communities, were left “behind the lines,” so to speak.

I left Alaska finally in mid-1989 to enter a doctoral program in South Carolina, which academically made sense for me to pursue (I had earned two Master's degrees already), but importantly, that opportunity was a rationale to get me out of Alaska where I no longer enjoyed certain collegial protections.

Legislative/Political Work – 1980 to Present

Member, Initiating Group. Alaska Statehood Commission. I was nominated by Alaska legislators Don Bennett (Fairbanks) and Terry Gardiner (Ketchikan) as a Commissioner on this Commission that had been empowered by the voters of Alaska to examine Alaska's continued role as a relatively new state of the United States.

My book, *Alaska – Energy Lands: The Inside Story*, co-authored with National Press Women Patricia M. Ivey and Helen Bailey, helped tailor Public Law 96-487 (Dec 2, 1980, 94 STAT 2371), the Alaska National Interest Lands Conservation Act (ANILCA). Among other things, it

involved changes to the Arctic National Wildlife Refuge (ANWR) and served as a precedent for federal public lands and environmental legislation in other states, including California.

Alaska State Legislature-Appointed Presenter (appointed by Senator Clem Tillion [Halibut Cove]), The Brookings Institution-sponsored "Future Frontiers of Alaska Conference," Epsilon Committee, Anchorage, Alaska. In committee, drafted and tailored state legislation about public lands, fisheries and wildlife, and public works for action by the Alaska State Legislature; and presented a paper.

I was selected for the management position in the Alaska State European Trade Office, Copenhagen, Denmark by Democratic Governor-Elect Bill Sheffield, mid-1980s. (My position evaporated when the Alaska State Legislature de-funded the trade office before the Governor-elect took office.)

I gave expert and televised testimony before the South Carolina State Legislature, at their request, concerning the undesirable experiences of citizens regarding "no-fault" automobile insurance in Alaska. (No-fault automobile insurance failed to gain a toehold in South Carolina.)

I presented my credentials, upon his request, to South Carolina Governor Carroll Campbell for the Executive Policy and Programs expert talent bank, 1993.

Cultivation of The American Plan (the Graduated Random Presidential Primary System) under the OPS-Alaska imprimatur. See www.americanplan.org for a full description of the book on this topic written by Thomas Gangale in which I am a featured true-to-life character. I am in the book because I have been instrumental in putting the American Plan in the national eye. I am the manager of this project. Implementing the American Plan requires agreement between the Democratic and Republican Parties. I have been instrumental in the liaison between the two parties. We hope to have the American Plan in place by election cycle 2012. The American Plan will change the way Americans nominate their presidential candidates, getting rid of all the downsides that the United States has experienced in this regard for a number of decades. More below.

Elected representative From Sonoma County to the California Democratic Party, 2006-2008.

Elected Member and Officer, Sonoma County Democratic Central Committee, California, 6 Jun 2006; re-elected, 3 Jun 2008 through 2010. My alternate represents me when I am abroad..

Work Abroad

1998 - 2000

- Visiting Researcher. Institute for Biological Problems of the North (IBPN). Magadan, (East) Russia; Sea of Okhotsk coastal field sites. July 1998.
- Visiting Researcher, Principal Investigator. Institute for Biomedical Problems (IBMP). Moscow, Russia. October and December 1998.
- Session Chair, 13th Man in Space Symposium, International Academy of Astronautics and the Greek Aerospace Medical Association, Santorini, Greece. May 2000.

2008-2009

- Social Scientist, Human Terrain System, US Army. Deployed in Kuwait and Afghanistan. In this role, I have performed research as a Human Terrain Analytical social scientist stationed at Bagram Air Field in Afghanistan and collected primary data in “full battle rattle” embedded with Army troops in Ghazni Province.

Managerial/Administrative/Project Management**1978 - 1982**

Totem Productions. I managed a variety of media production projects with contract staff working under me.

Some Projects. I produced and hosted several episodes of my former KIAK colleague's, Yupik Eskimo Sharon McConnell's, syndicated *Alaska Native News*. In the production of that show, I worked with a variety of Alaska Natives in order to broadcast segments in their languages.

Rowley Media Services. A for-profit, and its non-profit twin, the Institute of Alaskan Affairs were direct forerunners of OPS-Alaska, the network collaborative and think tank (below). Projects fell into three categories:

1) commercial media, public relations, and public opinion projects, 2) law enforcement projects, and 3) scientific, public diplomatic, and education projects.

Some Projects. (Commercial) Managing the reform (PROD)¹⁴ slate of candidates' campaign for leadership of the Alaska Teamsters Local 959.

(Law Enforcement) Counterintelligence/counterterror activities for the Alaska Statewide Narcotics Enforcement Unit and related agencies.

(Scientific, public diplomatic, and education) The rescue and relocation of the Kara Kirghiz.

I began orchestrating large numbers of people on some of these projects, in person and at a distance. The Teamsters campaign had an inner and outer core of cadre of over 100 persons altogether who had to be overseen and marshaled and about 3,000 Alaska Teamsters expected to be loyal to the PROD candidates who had to be organized. The Kara Kirghiz management issue was interesting, too, because I got people in far-flung places in Europe, Pakistan, and Indonesia to do legwork for Louis Dupree and me. And, what's more, the U.S. State Department depended on me to convey to them the precise day-to-day activities throughout the world relating to the Kara Kirghiz project so that they could make appropriate decisions on their end.

1985 - 1986

Archaeological Field School, University of Alaska-Fairbanks. Around 1985 and 1986, I helped manage the University of Alaska-Fairbanks Archaeological Field School.

Some Projects. The Chugwater Early Man Excavation. I supervised undergraduate and graduate students and non-academic personnel in remote and classroom locations in Alaska, about 15-20 persons at any instance.

¹⁴ The Professional Drivers' Council, Ralph Nader's labor reform group.

1990 – present

OPS-Alaska. The way OPS-Alaska has evolved, a think tank that is a network collaborative in structure, associates work as independent contractors on projects assisted by the resources of institutions to which they may also belong. The University of South Carolina and a State of South Carolina health agency where I have worked have willingly assisted me with OPS-Alaska projects.

The University of South Carolina – 1990 -1992

Mentioned above, at The University of South Carolina, under the flag of OPS-Alaska, we made the connections and designed the methodology for the Kuwait Victimization Assessment Data Base (KVAD) project. The initial conceptualization wasn't actually mine – to motivate sociological know-how for Kuwait -- but an idea of one of The USC's Sociology Department graduate cohort, my friend, Wylie Wright. But, with his cooperation, I took the idea and worked with it. Once again, this involved the organization and management of persons from a number of different institutions and firms at a distance. I managed about 40 persons around the world who signed onto the project, with the core cadre being from among personnel of South Carolina colleges and universities, some of whom were military veterans of the United States Army and United State Air Force. And, also playing advisory roles were Dr. Louis Rey, an important *de facto* French scientist-public diplomat from the corporate sector, whom I had known at the University of Alaska-Fairbanks, and Benjamin Ferencz, a former Nuremberg Trial prosecutor, and a noteworthy proponent of an international criminal tribunal concerning Iraq's invasion of Kuwait. When the tribunal for Kuwait was not convened, I turned our methodology over the United Nations research division where Louis Rey had a relationship. As a result, the KVAD methods likely wound up identifying patterns and perpetrators of political violence in the Balkans a short time later through this avenue.

Chrysalis Center. Partner campus to the Medical University of South Carolina (MUSC). Late 1994 – 1996.

I eventually became the intermittently acting manager of this facility of the State of South Carolina's Alcohol and Other Drug Abuse Services that was in receipt of National Institutes of Health funding for research data it generated in collaboration with the Department of Psychiatry, Medical University of South Carolina. Chrysalis Center was one of 63 such facilities in the United States that was part of the NIH project. Among my many other duties, I kept the federal funding flowing and I managed over 50 persons, including contract physicians and dentists. I also supervised several Master's students in their programs.

Some Projects. My supervisors, professional personnel, and the infrastructure of this state agency's facility enthusiastically assisted with my external projects under the OPS-Alaska flag. The National Science Foundation (NSF) funding that bore on the functionality of extreme environmental work teams, below, that OPS-Alaska later garnered, owes a debt to these resources. Primarily, I was allowed office space and equipment, medical and psychology colleagues who served as valuable sounding boards, and time for conferencing and making a feasibility study.

Various Aerospace Projects, 1997 – 2004.

Extreme Environmental Group States Research. By the end of 1997, the National Science Foundation was poised to fund some of us connected to OPS-Alaska for our space and polar exploration group states research, which also tied to my dissertation topic. I managed several colleagues, graduate students, and undergraduates on the NSF-funded group states project.

External Assisting Institutions: The University of South Carolina, Erskine College

Russian Space Station Simulation/NASA-Related Extreme Environmental Habitat in the Arctic . With NSF grant money beginning to flow, we were able to use other project funds to investigate the Russian space station simulation at the Institute for Biomedical Problems in Moscow, Russia. I significantly contributed to this project over a number of roles (late 1997-1999), as did my role (with Thomas Gangale) in being just a handful of those project manager-designers who designed and resourced the NASA-related Mars Arctic Research Station on Devon Island in the Eastern High Arctic in Nunavut Territory (1998-2000). I coordinated among several colleagues in the United States, Canada, Russia, and Europe concerning the Russian space station simulation. **External Assisting Institutions:** The University of South Carolina, Erskine College

NASA-Ames Research Center NASA Mir Space Station Mission Study. In collaboration with a program at NASA-Ames Research Center, I performed a human factors study over the several manned missions NASA flew on the Mir space station. This study has been characterized by my senior colleagues in social psychology and the human factors fields as “brilliant” and “pioneering.” **External Assisting Institutions:** Institute for Biomedical Problems, Moscow, Russia

The American Plan, A Public Policy Project, 2003 - ongoing

Mentioned above: On the political science project front, the American Plan presidential primary nomination reform project that is still ongoing has produced a hard-cover book sole-authored by Thomas Gangale, recently published by Praeger. I am currently coordinating among several members of the Democratic National Committee and the Republican National Committee to bring the Plan to fruition. I have orchestrated among those who have previously held high federal positions or who have served in the U.S. Congress. Though it is several years into the future, the work to get the Plan instituted by the 2012 election cycle has to occur in advance. Part of the problem is that the DNC and RNC business calendars do not quite mesh up. **External Assisting Institutions:** San Francisco State University

Postsecondary Teaching Over an Intermittent 30-Year Span. But, in particular from 1989 onward, I have managed classroom sizes from just a few students, as in the upper-level courses at Erskine College, where it was possible to fit the class comfortably in my large office, and classroom sizes of over 400 persons, where they had to be fitted into the auditorium of the Callcott Building at The University of South Carolina. At Erskine, I was the Sociology Program Head.

Mission Essential, GS-15 Equivalent, Manager/Supervisor. I am an independent contractor *dba* OPS-Alaska to the Human Terrain System, US Army through a government subcontractor. Though my duties are Human Terrain Analysis research in nature, from open-source and classified records, and also from primary field research conducted while embedded with troops on missions, I am responsible for leading and managing cultural analysts and other personnel on projects and on missions.

Teaching

A list of specific courses taught may be attached.

Courses Taught

I have taught intermittently in the postsecondary environment for 30 years. My college level teaching spans various courses in leadership, criminal justice, political science, international relations, sociology, psychology, anthropology, theories and techniques of psychotherapy (service learning provided by me during my clinical facilities work experiences), archaeological field methods, geological remote sensing, English, and public speaking. Most of what I have taught, however, is in the realm of **sociology and psychology**.

My main "tours-of-duty" of academic employment were at the University of Alaska-Fairbanks (where I was often on staff for an 11-year period), at The University of South Carolina (where I was on faculty over a number of contracts during my 11.5 years in the doctoral program), and at Erskine College, a private college in Due West, South Carolina, with which I was associated for a total of three years as a professor and researcher. **In California**, in the 2000s, I assisted Master's students in international relations with their theses by reviewing them over the rudiments of quantitative and qualitative research methods and thesis writing through their "Masters of International Relations" association.

Funded Undergraduate Research

- \$1500+, for Ms. Meredith Huey, Senior, Erskine College, from a foundation to fund undergraduate research among private South Carolina colleges and universities. 1999. From the Erskine College news release online:

On February 3 the Independent Colleges and Universities of South Carolina (ICUSC) held "Showcase 99" in Spartanburg. "Showcase 99" was the Undergraduate Research Symposium funded through ICUSC by The Milliken Foundation, The Jolley Foundation, The F.W. Symmes Foundation, The Hoffmann-La Roche Foundation, and The Fluor Foundation. The Milliken Company hosted "Showcase 99" at their research center in Spartanburg.

- \$10,000, undergraduate research supplement, from the National Science Foundation. 1999-2000. Several undergraduate projects and participations were enabled.

Graduate Supervision

I have assisted and supervised many Master's and Doctoral students in their social work, psychology, counseling, clinical psychology (in clinical venues [service learning]), cognitive psychology, international relations, human ecology, engineering, and technology management programs. These students have been affiliated with Francis Marion University, University of Hong Kong, Stanford University, University of California, Berkeley, San Francisco State University, San Diego State University, the Institute for Imaginal Studies, Moscow Aviation Technical Institute, and several universities in Sweden.

This supervision and assistance includes a doctoral dissertation project on aerospace industry production in Sweden and its socioeconomic and environmental impacts on that nation. The student was a Russian Space Agency guest Cosmonaut-Engineer from Argentina. He had chosen

a program at Chalmers University, Göteborg. I developed the dissertation project in large part from conversations with the student and Vice-Dean Beng Berglund, Head of the Doctoral Programs of Technology and Management School and Chairman of the Department of Technology and Society at Chalmers University.

Other Academic Employment

My 11 years intermittently on staff, part-and full-time, as well as some volunteer work, at the University of Alaska-Fairbanks, had me wearing various hats: Counselor, Military Extension Office (1978); Editor, Lesson Planner, Center for Cross-Cultural Studies (1979); Translator and Editor, Institute of Arctic Biology (1981); Volunteer and Researcher, Geophysical Institute (1981-1989); Supreme Court Justice, Chief Justice, Public Affairs Director, and Elections Board Member, Associated Students of the University of Alaska (1985-1986); Physics Club President and Member of the Sigma Pi Sigma National Honor Chapter Founding Committee (1987-1988); Volunteer, Paid Archival Worker, and Assistant to Collection Development Head, Alaska and Polar Regions Department (Oral Histories, Archives, and Collections Development) Elmer E. Rasmuson Library (1985-1989), University of Alaska-Fairbanks.

Tutor to elementary and high school students in Alaska with learning disorders. Similarly, provided occupational training to deaf and developmentally disabled food service worker-trainees with the U.S. Bureau of Land Management Alaska Forest Fire Service support functions (specifically over 1981-1983), all intermittently over 1978-1987.

Additional teaching includes some substitute teaching grades K-12 in public school, Fairbanks North Star School District (Alaska), Pullman High School, Pullman, Washington, and on the District 5, Irmo (South Carolina) rolls; provided special education to autistic, brain-damaged, and Asperger Syndrome residents at Pine Grove School, Elgin, South Carolina; and I assisted with U.S. Army courses in mountaineering and cold weather skills after I was so trained (altogether spanning 1975-1994).

Geo- and Environmental Sciences Work

Being educated in geoarchaeology and geological remote sensing, I am a *bona fide* planetary scientist and have some credits along those lines. In addition to over a hundred undiscovered clear and potential archaeological sites I detected along the Alaska littoral, I discovered and mapped:

- Shoals in a zone in the Chukchi Sea at 72.65°N 176.32°W, detected via NOAA thermal infrared satellite imagery and coordinates determined by the Polar Satellite Image Digitizer (PSID), as part of a comprehensive Arctic Ocean Shelf Sea shoaling zone mapping project that I began and intermittently worked on for several years. With the assistance of the University of Alaska Geophysical Institute, Fairbanks. 1980-1989.
- Palaeostream channels which I attributed to catastrophic permafrost melting owing to past volcanism in the Devil Mountain Lakes area of the Seward Peninsula, Alaska, likely an Arctic analog of catastrophic channeling via past volcanism and meteoritic impact on Mars. My Devil Mountain Lakes studies were conducted through the use of NASA-NOAA aerial infrared photography under the supervision of Dr. James Beget, Department of Geosciences, University of Alaska-Fairbanks. Volcanism corresponding to the catastrophic channeling was later field-verified by Dr. David Hopkins. Dr. Beget and I also proposed research to NASA to map Martian permafrost through existing space probe imagery, 1985-1989. A follow-up publication on some of our Alaskan work was authored by Beget, J., Hopkins, D.,

and Charron, S. (1996) "The largest known Maars on Earth, Seward Peninsula, Northwest Alaska." *Arctic*, Vol. 49, pp. 62-69.

Society of Women Geographers, notably member Edith "Jackie" Ronne, nominated me for membership for contributions to geographical knowledge, 1997. (The implications of my discovery and mapping of shoals in Arctic Ocean shelf seas were that some were in oil-rich regions on which semi-submersible oil rigs could be mounted and protected from floebergs.)

NASA and Astronaut-Related Work/Events

Invited Participant, NASA training tour for a space shuttle crew (STS-39). Poker Flat Rocket Range, Chatanika, Alaska, late 1980s. Following that participation with that space shuttle crew, NASA asked me to join an academic panel considering space sciences issues. That was my introduction to events in subsequent years.

Simulation Cosmonaut, Principal Investigator, Project Liaison/Coordinator, and other roles. Russian Space Station Project, Institute for Biomedical Problems and IBMP Clinic, 1998. Only American and only other woman selected for containment within the Russian space station simulator.

Negotiator, between IBM and the Institute for Biomedical Problems (the IBMP), Moscow, Russia, for testbedding of IBM's Russian voice-recognition word processing application in the Russian International Space Station Simulator. (This came about when I realized I could use such an application in the coding of transcripts for research purposes from video footage shot in the Simulator.) Recommended design changes in IBM's Russian voice-recognition word processing application for research use in the Russian International Space Station Simulator. 1998.

Approved for eligibility. Mission Specialist (Scientist) Astronaut Candidate Program, active selection list, NASA-Johnson Space Center, 1999. I remained on the list till 2003 while engaging in a string of NASA-affiliated projects.

Negotiator and leader, a transnational team led by OPS-Alaska to develop profiles for lunar imagery-internet interfaced space missions. Participation by American, Japanese, French, and German partners. In relation to this, we authored a white paper, requested by Dentsu Corporation, Japan. 1999-2000.

Human Factors Director on the original design and project management team for the design and construction of a Mars mission rehearsal facility on Devon Island, Nunuvu't Territory, in the Eastern Arctic, initially a NASA-sponsored facility for which I amassed resources for placement and construction from NASA-Johnson Space Center.

Non-Military Non-Traditional and Working-class Work Experiences

- Textile factory machine operator, Charlotte, North Carolina
- U.S. Bureau of Land Management Forest Firefighter Support (multiple fire seasons at Fort Wainwright and Tanacross, Alaska)
- Long-haul tractor-trailer driver between South Carolina and California
- Fire and Smoke Damage Restoration

SAMPLE PUBLICATIONS AND PRESENTATIONS (of 100+ items)**Books and Book Chapters**

In progress, *Storm and Transformation: Climate Change, Public Diplomacy, and Social Investment*. Sole-authored. Several shorter pieces below reflect this theme.

Under review, *Pipeline to Terror*. Praeger/Greenwood. Sole authored. Details my criminal justice experiences from the late 1970s through the 1980s.

In press. "Storm and Transformation: Climate Change and the Rise of Social Investment." Book Chapter. *Ecologies of the Psyche: Transdisciplinary Migrations of Critical Ecopsychology*. With Thomas Gangale. Editors: Douglas Vakoch and Fernando Castrillon.

"Future Tense: War and Peace 2015." With Thomas Gangale. *Moving Ahead*. Volume 2 of the *Tackling Tomorrow Today* textbook series. Ed. Arthur B. Shostak. Philadelphia, Pennsylvania. Chelsea House Publishers. 2004.

"Romancing the Clone: The Future of the Family and Related Issues." Sole-authored. *Moving On: Far Ahead*. Volume 4 of the *Tackling Tomorrow Today* textbook series. Ed. Arthur B. Shostak. Philadelphia, Pennsylvania. Chelsea House Publishers. 2004.

"The Culture of Elitism in the American Intelligence Community and the Transnationalization of Jihad." With Thomas Gangale. *Culture Clash/Media Demons*, Ed. Arthur B. Shostak, published in hard cover by Chelsea House Publishers, Philadelphia: Vol. 1 in the series *Defeating Terrorism/Developing Dreams: Beyond 9/11 and the Iraq War*, 2004. (A book series for high school and college students.)

Journal Articles and Technical Papers/Related Presentations

In progress, "Manufactured on the Moon, Made on Mars – Sustainment For the Earth Beyond the Earth," Marilyn Dudley-Flores and Thomas Gangale, AIAA-2009-XXXX.

In progress, "*Pashtunwali* and Women: With a Focus on Their Public Life and Use of Space," Marilyn Dudley-Flores. For the Human Terrain System, US Army, Fort Leavenworth, Kansas.

"Ghazni Mission After-Action Report -- 9-21 December 2008," Marilyn Dudley-Flores. On file at the Research Reachback Cell (RRC) for Afghanistan, Human Terrain System, US Army, Fort Leavenworth, Kansas.

"Timing Is Everything: Issues of Disparate Temporal Regimes in Space Operations," Marilyn Dudley-Flores and Thomas Gangale, The American Institute of Aeronautics and Astronautics Technical Series, AIAA-2008-7612.

"Global Warming, Earthly Disasters, the Moon and Mars: Transfers of Knowledge (TOK) – The American Problem, Marilyn Dudley-Flores, The American Institute of Aeronautics and Astronautics Technical Series, AIAA-2008-1464.

"Why America is Becoming a Second-World Nation (and California Is In the Crosshairs)," Parts I-IV, Marilyn Dudley-Flores, *California Progress Report*, 2-5 December 2007.

“The Globalization of Space - The Astrosociological Approach,” Marilyn. Dudley-Flores and Thomas Gangale, The American Institute of Aeronautics and Astronautics Technical Series, AIAA-2007-6076.

“Sustainability Public Policy Challenges of Long-Duration Space Exploration,” Marilyn Dudley-Rowley and Thomas Gangale, The American Institute of Aeronautics and Astronautics Technical Series, AIAA-2006-6284.

“To Build Bifrost: Developing Space Property Rights and Infrastructure,” Thomas. Gangale and Marilyn Dudley-Rowley. The American Institute of Aeronautics and Astronautics Technical Series, AIAA-2005-6762.

“The Architecture of Time: Design Implications for Extended Space Missions,” Thomas Gangale and Dudley-Rowley, a publication in the hard-copy *Journal of Aerospace, Section 1 of the Transactions of the SAE, 2004.*

"From the Earth to the Moon and Beyond: Transnationalizing Space." Marilyn Dudley-Rowley. OPS-Alaska. 18-May-2004. A response to a National Aeronautics and Space Administration Request for Information, "Vision for Space Exploration."
<http://pweb.jps.net/~md-r/spaceEx/NASAISTC.pdf>

“1985 NASA Rockwell Space Station Crew Safety Study: Results From *Mir*,” by Marilyn Dudley-Rowley, Marc M. Cohen, and Pablo Flores, for a conference hosted by the Institute for Biomedical Problems, devoted to the 40th anniversary of the Institute of Biomedical Problems, Russia’s leading research institution in space biology and medicine: Living Beings and Environment: Adaptation to Extreme Conditions, Session 12: Reserve Capacities of the Human Body and Occupational Risks, Presidium of Science, Moscow, Russia, 4 Nov 2003. Published, March 2004, in *The Journal of Aerospace and Environmental Medicine* (Moscow, Russia).

“Design Implications of Latent Challenges to the Long-Duration Space Mission,” Marilyn Dudley-Rowley, Jun Okushi, Thomas Gangale, Pablo Flores, and Eduardo Diaz, for the American Institute of Aeronautics and Astronautics Space 2003 meeting, Human Factors Support for Long Duration Missions I Session, in Long Beach, CA, 24 Sep 2003. Published in full in the CD Proceedings of Space 2003, A Global Focus on...Expanding the Possible, AIAA, ISBN 1-56347-647-9.

“Extended Mission Systems Integration Standards for the Human-Environment and Human-Human Interfaces,” Marilyn Dudley-Rowley and Sheryl Bishop, The American Institute of Aeronautics and Astronautics Technical Series, AIAA-2002-6110.

“Crew Size, Composition, and Time: Implications for Exploration Design,” Marilyn Dudley-Rowley, Stewart Whitney, Sheryl Bishop, Barrett Caldwell, Patrick D. Nolan, and Thomas Gangale. The American Institute of Aeronautics and Astronautics Technical Series, AIAA-2002-6111.

“Crew Size, Composition, and Time: Implications for Habitat and Workplace Design in Extreme Environments,” Marilyn Dudley-Rowley, Stewart Whitney, Sheryl Bishop, Barrett Caldwell, and Patrick D. Nolan, SAE Technical Series, 2001-01-2139.

“A Social States Index for Multi-national Crews Co-Contained in the ISS Simulator, Moscow, Russia,” Marilyn Dudley-Rowley, Vadim Gushin, and Tom Gorry, presented during 12-15 July 1999, Denver, Colorado, at the 29th International Conference on Environmental Systems (ICES) Meetings, NASA-Johnson Space Center’s Psychological Services Group Session. Published as a SAE Technical Paper (1999-01-2101) in the SAE Technical Series and on CD, *Global Mobility Database*, ISSN 0148-7191, 1999.

Editor, “Some Problems of Psychological Interaction in Prolonged Space Flights” by O.P. Kozerenko, V.I. Gushin, A.D. Sled, V.A. Efimov, and J.M. Pystinnikova, State Scientific Center, Institute for Biomedical Problems, Khoroshevskoye shosse, 76A, 123007, Moscow, Russia, for *Journal of Human Performance in Extreme Environments*, 1998.

“Deviance Among Expeditioners: Defining the Off-nominal Act Through Space and Polar Field Analogs,” Marilyn Dudley-Rowley, *Journal of Human Performance in Extreme Environments*, Vol. 2, No. 1, pp. 119-127, June 1997.

“Modeling Social Interaction for the Nauvik Project -- a Closed Ecological Life Support System, Fairbanks, Alaska”, Marilyn Dudley-Rowley. The American Institute of Aeronautics and Astronautics Technical Series, AIAA-1995-1061

Presentations and Briefings Only

California Sociological Association. 2007 Annual Meeting, Berkeley, CA. Presentations included:

- “The Core – the World System of Societies in Space,” Marilyn Dudley-Flores and Thomas Gangale.
- “Storm and Transformation: Climate Change and the Rise of Socially Progressive Values,” Marilyn Dudley-Flores and Thomas Gangale

Session Chair. Annual Meeting of the Pacific Sociological Association (PSA). Session: Pirate Professors, Deviant Departments, and Disappearing Programs. March-Apr 2007. Oakland, CA.

Centerpiece paper was Dr. Stewart Whitney’s presentation on how the sociology department and its brace of programs at Niagara University – that had a continuing history of grants and national awards – was recently completely chopped and replaced with an all-criminal justice program.

“Interfacing With Transnational Deviant Actors: Sociological, Criminal Justice, and Human Factors Methods,” M. Dudley-Flores. Podium presentation selected for the International Studies Association, March 2007, Chicago.

“Transformational Recruitment for a Transformational Diplomacy: Beyond the American College Testing Model,” M. Dudley-Flores. Podium presentation selected for the International Studies Association, March 2007, Chicago.

Presenter, 56th Meeting of the U.S. Department of Defense Human Factors Engineering Technical Advisory Group, Naval Postgraduate School, Monterey, CA, 6-9 November 2006. I briefed this U.S. DoD technical advisory group over the following several presentations:

- "The Altman Scale Revisited -- Lessons Learned From the Russian Space Station Simulation," Marilyn Dudley-Rowley and Thomas Gangale, Test and Evaluation Sub-Technical Advisory Group Session
- "The Mir Crew Safety Record -- Implications About Hazards and Survivability From Space," Marilyn Dudley-Rowley and Thomas Gangale, System Safety, Health Hazards, Survivability Sub-Technical Advisory Group Session
- "Mir: Workload and Stress -- Lessons Learned," Marilyn Dudley-Rowley, Workload and Stress Sub-Technical Advisory Group Session
- "Human Factors Considerations for Timekeeping for Mars Surface Operations," Modeling and Simulations Sub-Technical Advisory Group Session

"Public Sociology From Below," Pacific Sociology Association, 77th Annual Meeting, Universal City, Hollywood Hills, California, April 2006. (The theme of the conference was: Playing With Sociology: Pedagogy, Postmodernism, and Popular Culture.)

"Preliminary Findings of ASA Members' Attitudes Toward Astrosociology and the Study of Space," Astrosociology Session, California Sociology Association, 11 November 2005. (Among the purposes of this survey, which has only been reliability-tested at present, is to determine what sociologists know about the social aspects of the aerospace industry and the space exploration enterprise.)

Presenter, "Claiming Geostationary Orbit and Owning Planets: the International Legal Perspective," Thomas Gangale and Marilyn Dudley-Rowley, for New Trends in Astrodynamics and Applications II, Princeton University, June 2005. (This presentation was meant for potential publication in the *Annals of the New York Academy of Sciences*.) However, portions of our presentation went on to be included in Gangale's upcoming book *What No One Has Owned Before: International Legal Issues of Sovereignty and Property Rights in Outer Space* (Praeger Security International).

Presenter, "Human Factors Relating to Safety Aboard Shuttle and Space Stations," Marilyn Dudley-Rowley and Marc Cohen, NASA-Ames Human Factors Conference, Moffet Field, California, 20 Oct 2004.

Session Chair, "Sociology's Lost Horizons, Regaining Ground." Annual Meeting of the California Sociological Association, 16 Oct 2004.

Invited Presenter. (Over my research program and committee work.) Design Engineering Technical Committee, 41st Aerospace Sciences Meeting, American Institute of Aeronautics and Astronautics, Reno, Nevada, 6-9 Jan 2003.

Invited Presenter, "Crew Size, Composition, and Time: Effects on Behavior and Performance of Team Personnel in Expeditionary Environments," Marilyn Dudley-Rowley, Sheryl Bishop, Stewart Whitney, Patrick Nolan, and Thomas Gangale, 48th U.S. Department of Defense Human Factors Engineering Technical Advisory Group Meeting, Tri-Service Workload Coordinating Sub-TAG session, 6 Nov 2002

Requested lecture on behavior and performance in extreme environments in the "Mars 2012" course, Planetary Sciences Department, University of California-Berkeley, 3 April 2002.

Requested Presenter. "Afghanistan Primer," War and Peace Lecture Series, Sonoma State University, 6 Nov 2001, Rohnert Park, CA.

Requested Presenter. "Transnational Processes of Terror," Jewish Town Hall Meeting, Beth Amie Congregation, Nov 2001, Sonoma, CA.

Presenter. "The Globalization of Space", Annual Meeting of the Pacific Sociological Association, San Francisco, 30 March 2001.

August 2000. "Effects of Organizational Structure on the Behavior and Performance of Polar and Space Work Teams," Marilyn Dudley-Rowley and Patrick D. Nolan, Washington, D.C., annual meeting of the American Sociological Association.

Presenter. "The Long-Duration Mission: Not Just Duration," by Marilyn Dudley-Rowley, Sheryl Bishop, Kristin Farry, and Thomas Gangale, the 13th Man in Space Symposium, International Academy of Astronautics and the Greek Aerospace Medical Association, 21 May 2000, Santorini, Greece. Following, submitted to *Acta Astronautica*.

Presenter. "The Effects of Size, Heterogeneity of Crew and Mission Duration on the Deviant Behavior and Performance of Team Personnel in Space and Polar Environments," Patrick Nolan and Marilyn Dudley-Rowley, the 13th Man in Space Symposium, International Academy of Astronautics and the Greek Aerospace Medical Association, 22 May 2000, Santorini, Greece. Following, submitted to *Acta Astronautica* as "Factors Affecting Rates of Deviance/Conflict Among Crews in Extreme Environments: A Pilot Study.")

May 10-13, 1999. Invited Briefing. "Team Optimization in Joint Russian and Non-Russian Extreme Environments Expeditions and Missions (Implications for Mixed Peacekeeping Teams)," Department of Defense Human Factors Engineering Technical Advisory Group, Alexandria, Virginia.

Requested Participant, NASA Space Human Factors and Engineering Advisory Workshop, NASA Mars Reference Mission, Human Behavior and Performance Group, Houston, Texas, January 1999.

Guest Honors Lecturer. "Return to Utopia Planitia: Long-duration Spaceflight, Psychosocial Human Factors of Extreme Environments, and Human Evolution," Utopian Societies, Sociology 345, Ronald Maris, University of South Carolina, Columbia, November 17, 1998.

Participant, Aerospace Medical Association Annual Meeting, Seattle. (Including numerous side meetings regarding the space station simulator project scheduled in Moscow, Russia, a project in which I was deeply involved.) May 1998.

June 1997. "Deviance Among Expeditioners: Defining the Off-nominal Act in Space and Polar Field Analogs," presented at the 12th Man in Space Symposium, International Academy of Astronautics and NASA, Human Factors Session, Washington, D.C.

April 1997. "Deviance in Extreme Environments: Defining the Off-nominal Act," Southern Sociological Society Meetings, New Orleans.

Participant, Disaster Conference, South Carolina Sociological Society, Winthrop University, Rock Hill, South Carolina. Featured Speaker: Russell Dynes. Spring 1993.

Participant. NASA Mars Conference, Washington, D.C., Anniversary meetings of the Viking Mars Missions. National Academy of Sciences. July 1986.

HONORS AND GRANTS -- SAMPLER

“Deviance Among Team Personnel in Space and Analog Polar Field Environments: the Effects of Size and Heterogeneity of Crew and Mission Duration of Behavior and Performance,” \$60,000 by the National Science Foundation (\$50,000 + \$10,000 undergraduate research supplement, SBR-9729957 and SES-9944042, respectively.). (An expansion of my Ph.D topic that started in advance of my finally earning my Ph.D.) 1998-2000. Although a few graduate students and professional colleagues at different colleges and universities and with other organizations assisted on the project, it was the many undergraduates at Erskine College and here in California who expanded the horizons of this work. Final report tendered in March 2005.

ACTIVE IN THE FOLLOWING PROFESSIONAL SOCIETIES:

American Institute of Aeronautics and Astronautics (AIAA)
Public Diplomacy Alumni Association (PDAA)
Foreign Service Association of Northern California (FSANC)
United States Department of Defense Human Factors Engineering Technical Advisory Group (U.S. DoD HFE TAG)
Local, regional, and national/international sociological societies

REFERENCES – UPON REQUEST