

## **Resume: James Bedient**

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### **Professional Experience**

October, 2010-present, Air Refueling Planner, US Air Force.

- Air Force civilian employee planning and executing complex air refueling missions in the PACAF AOR.

March, 2009-September, 2010 Air Operations Planner, CACI, Inc.

- Contractor to the Air Force at Hickam AFB, planning, organizing, and executing long range combat aircraft delivery for exercises and contingency operations.

March, 2009-September, 2009, Air Traffic Controller, Airservices Pacific, Inc.

- Contract tower controller at Molokai FCT.

March, 2008-February 2009 Dispatch Supervisor, Island Air

- Supervising 8 dispatchers and 3 crew schedulers at a FAR Part 121 air carrier operating DHC-8 turboprop aircraft. Responsible to the Director of Flight Operations for all facets of operation in the dispatch department.

1999-2002 Lecturer, Commercial Aviation, Honolulu Community College

- Developed and taught the course "Introduction to Air Traffic Control", AVIT203

1984-2008 Air Traffic Control Specialist, Federal Aviation Administration

- 2001 - 2008, Radar Air Traffic Controller and OJT instructor at Honolulu Control Facility (HCF) - Radar certified in both enroute and terminal control.
- 1998 - 2001 ATC Operations Supervisor at Honolulu CERAP (ZHN). Supervised shift employees providing air traffic services in the Honolulu FIR.
- 1996 - 1998 Traffic Management Coordinator at Honolulu CERAP (ZHN). Managed Special Use Airspace in the Honolulu FIR. Coordinated unusual activities and traffic conditions in the Honolulu FIR.
- 1995 - 1996 Tower Controller, Dayton, OH ATCT. Provided ATC services including CAT III approaches at a civil airfield.
- 1992 - 1995 National Traffic Management Specialist, ATCSCC, Washington, DC. Coordinated activities to mitigate unusual conditions, primarily weather related, but

including major equipment failures, hijackings, HAZMAT incidents, and other abnormal conditions in the US National Airspace System.

- 1991 - 1992 Quality Assurance Specialist, Minneapolis ARTCC. Investigated and reported on air traffic incidents and aircraft incidents and accidents. Monitored facility compliance with national directives.
- 1989 - 1991 Traffic Management Coordinator, Minneapolis ARTCC. Coordinated facility response to unusual weather conditions and equipment failures. Managed Special Use Airspace in the Minneapolis FIR. Coordinated NOTAMs in the assigned area.
- 1984 - 1989 Radar Air Traffic Controller, Minneapolis ARTCC. Provided ATC service to civil and military airspace users.

## **Education**

- Associate in Science Degree, Regents College, 1999
- University Certificate in Astrophysics of Galaxies, University of Central Lancashire, 2004
- Certificate of Competence in E-Commerce, Leeward Community College, 2006
- Bachelor of Science in Liberal Studies, Excelsior College, 2012 (Magna Cum Laude, GPA 3.89)
- Master of Arts in Interdisciplinary Studies, Western New Mexico University, in progress

## **Volunteer Experience**

- Civil Air Patrol (2009-present). Director of Safety, responsible for safety management in the Hawaii Wing of the Civil Air Patrol, the United States Air Force Auxiliary. The Hawaii Wing operates 10 aircraft and has over 500 members.
- AAVSO Council Member, 2007 - 2009
- AAVSO Executive Director Search Committee, 2004
- Chairman, Makalapa Elementary School/Community-Based Management Council (SCBM) 1999-2005 and School Community Council (SCC), 2005-2007
- Staff member, Towards Other Planetary Systems Astronomy Workshops, 2001-2003
- Emergency Medical Technician, Tipp City OH Volunteer EMS, 1995-1996
- Member, Prince William County, Virginia Public Library System 5-Year Plan Committee, 1994
- Emergency Medical Technician and Tactical/Heavy Rescue Specialist, Dale City, VA Volunteer Fire Department, 1993-1995
- Member, Northfield, Minnesota Library Board, 1989-1992

## **Military Service**

- US Army, 1982-1984
  - U.S. Army Basic Combat Training (1982)
  - U.S. Army Administrative Specialist Course (1982)
  - U.S. Army Psychological Operations - Enlisted Course (1983)
  - U.S. Army Infantry Special Skills Course (1984)

## **Other Qualifications**

- Current US Government SECRET clearance (reinvestigated 1/2011)
- FAA Licenses:
  - Aircraft Dispatcher
  - Private Pilot with Instrument Rating
  - Ground Instructor (Advanced and Instrument)
  - Control Tower Operator (CTO)

## **Publications**

Contributed observations and other data cited by name in:

- 25 International Astronomical Union Circulars
- 75 Minor Planet Electronic Circulars
- 61 Minor Planet Circulars
- 3 Distant Artificial Satellite Observation Circulars

Discoverer/co-discoverer of over 15 minor planets, including (188534) Mauna Kea.

As first author:

Bedient, J. (2007). Four New Southern Miras. *Peremennye Zvezdy Prilozhenie*, vol.7, no. 27.

Bedient, J. (2007). 40 New Southern Red Variables. *Peremennye Zvezdy Prilozhenie*, vol.7, no. 20.

Bedient, J. (2006). Four More Ross Variables Identified. *Open European Journal on Variable Stars*, vol. 47, p.1

Bedient, J. (2006). Four Ross Variables Identified. *Open European Journal on Variable Stars*, vol. 43, p.1

Bedient, J. R. (2003). Six Suspected Variable Stars Identified as Asteroids. *Information Bulletin on Variable Stars*, 5478, 1.

Bedient, J. R. (2002). NSV 12364: A Semiregular Variable. *Information Bulletin on Variable Stars*, 5288, 1.

Bedient, J. R. (2001). USNO-A2.0 0825-15411768: A New Mira in Aquila. *Information Bulletin on Variable Stars*, 5164, 1.

As coauthor:

Belton, M. J. S., et al. (2011). Stardust-NExT, Deep Impact, and the accelerating spin of 9P/Tempel 1. *Icarus*, Volume 213, Issue 1, p. 345-368.

Meech, K. J., et al. (2011). Deep Impact, Stardust-NExT and the behavior of Comet 9P/Tempel 1 from 1997 to 2010. *Icarus*, Volume 213, Issue 1, p. 323-344.

Kato, T., et al. (2009). Survey of Period Variations of Superhumps in SU UMa-Type Dwarf Novae. *Publications of the Astronomical Society of Japan*, Vol.61, No.SP2, pp.S395--S616

Richwine, P., Bedient, J. R., Slater, T. (2006). Preliminary Findings on the Impact of Observing Variable Stars on Middle School Students' Beliefs and Attitudes Toward the Nature of Science. *The Journal of the American Association of Variable Star Observers*, vol. 34, no. 2, p. 280

Richwine, P., Bedient, J., Slater, T. F. (2006). Uncovering High School Students' Initial Understanding and Beliefs about the Nature of Science Prior to Studying Variable Stars. *The Journal of the American Association of Variable Star Observers*, Vol. 35, No. 1, p. 320

Richwine, P., Bedient, J., Slater, T. F., Mattei, J.A. (2005). The Internet as a Virtual Observatory: New Elements for Ten Long Period Variables in Aquila. *The Journal of the American Association of Variable Star Observers*, Vol 34, No. 1, p. 28-35

Kadooka, M. A., et al. (2005). Janet A. Mattei's Hawaiian Ohana. *The Journal of the American Association of Variable Star Observers*, vol. 33, No. 2, p. 170

Price, A., et al. (2004). A New Cataclysmic Variable in Hercules. *The Publications of the Astronomical Society of the Pacific*, Volume 116, Issue 826, pp. 1117-1122.

Richwine, P., Bedient, J. R., Slater, T. (2004). Analyzing Online Data on Variable Stars: An Authentic Research Experience for Teachers. *The Journal of the American Association of Variable Star Observers*, Vol. 33, No. 1, p. 71-75

Price, A., et al. (2002). Multicolor Observations of V838 Mon. *Information Bulletin on Variable Stars*, 5315, 1.

Kadooka, M. A., Meech, K. J., Bedient, J. (2002). TOPS Telescope Projects on Variable Stars and Other Objects. *Journal of the American Association of Variable Star Observers*, Vol. 31, No. 1, p. 39-47

Brown, P., et al. (2000). Global Ground-Based Electro-Optical and Radar Observations of the 1999 Leonid Shower: First Results. *Earth, Moon, and Planets*, v. 82/83, p. 167-190 (1998).

Abstracts and posters:

Bedient, J. (2009). 120 Years of RZ Dor. *The Journal of the American Association of Variable Star Observers*, vol. 37, no. 2, p. 194 (Abstract only)

Bedient, J. (2004). Four Asteroids and a Question Mark: Chasing Ross' Variables. *The Journal of the American Association of Variable Star Observers*, vol. 32, no. 1, p. 65 (Abstract only)

Bauer, J. M., et al. (2004). Chiron's Outburst Behavior. American Astronomical Society, DPS meeting #36, #03.04; *Bulletin of the American Astronomical Society*, Vol. 36, p.1069

Bedient, J., et al. (2003). TOPS and Beyond: Training Master Teachers to Mentor Student Astronomy Projects Using the Faulkes Telescope-North. American Astronomical Society, DPS meeting #35, #42.01; *Bulletin of the American Astronomical Society*, Vol. 35, p.1004 (Abstract only)

Richardson, J., et al. (1999). Refining Visual Meteor Perception Models: Shower Radiant Altitude Effect, Probability Function, and Limiting Magnitude Effect. *Asteroids, Comets, Meteors 1999 Workshops* - IAU Commission 22 Professional-Amateur Working Group Meeting

For further information and references, contact me at the address, e-mail or phone number at the top of this resume.