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James Karner

Constituent Information

Name	James Karner	Contact Record Type	Applicant
Middle Initial		Account Name	
Title		Status	
Council District	4	Gender	Male
# of Board Memberships	0	Ethnicity	White/Caucasian
Qualifications	Planetary Scientist. Co-PI of U.S. Antarctic Search for Meteorites.	Diversity	
Member Id		Comments	
		Other	

Contact Information

Send mail to		Mobile	
Home Phone	[REDACTED]	Other Phone	
Phone		Business Phone	
Fax		Business Fax	
Email	[REDACTED]	Business Email	
Mailing Address	[REDACTED]	Other Address	
Created By	Boards and Commissions Liaison, 4/30/2018 11:47 AM	Last Modified By	Boards and Commissions Liaison, 4/30/2018 11:47 AM
Description			

Activity History

Email: Application Successfully Submitted

Related To	APP00004159
Task	<input checked="" type="checkbox"/>
Due Date	4/30/2018
Assigned To	Boards and Commissions Liaison
Last Modified Date/Time	4/30/2018 11:47 AM
Comments	<p>To: j.karner@utah.edu</p> <p>CC:</p> <p>BCC:</p> <p>Attachment: --none--</p> <p>Subject: Application Successfully Submitted</p> <p>Body:</p> <p>Thank you for your submission. We appreciate your interest in Salt Lake County's Boards and Commissions process. We have received your application and are submitting it for review and consideration to the appropriate board coordinator. We will be in contact with you shortly for the next steps involved in the selection process. If you are selected for an interview, you can expect a phone call from the Board Coordinator.</p> <p>Thank you, again, for your interest in serving. We do appreciate the time you invested in this application.</p>

Regards,
Salt Lake County Boards & Commissions
boards@slco.org

Applications
APP00004159

Board	Clark Planetarium Advisory Board
Date	4/30/2018

Notes & Attachments
JK_1 pg vita.doc

Type	Attachment
Last Modified	Boards and Commissions Liaison
Description	View file

Curriculum Vitae
Dr. James Michael Karner
Research Associate Professor, Dept. of Geology and Geophysics

EDUCATION

- August 1999-May 2003. Doctor of Philosophy, Institute of Meteoritics, Dept. of Earth and Planetary Sciences, University of New Mexico, Albuquerque, NM.
- Master of Science, Dept. of Earth and Planetary Sciences, University of New Mexico, Albuquerque, NM.
- September 1990-May 1994. Bachelor of Science, Geology State University, Bemidji, MN.

PROFESSIONAL EXPERIENCE

- September 2017 to present. Research Associate Professor. Dept. of Geology and Geophysics, University of Utah. As Co-PI of the Antarctic Search for Meteorites (ANSMET), I'm responsible for organizing, facilitating and leading the yearly expedition to Antarctica to recover meteorites from blue-ice stranding surfaces. Also, funded research on the partitioning of multi-valent elements (V, Cr, Ti) between minerals and melt in order to determine redox states of magmatism on small Solar System bodies.
- September 2009 to Sept. 2017. *Senior Research Associate*. Dept. of Geological Sciences, Case Western Reserve University. Duties included working with ANSMET and on the partitioning and oxidation state of V, Cr, Ti in planetary basalts.
- June 2006 to Sept. 2009. *Senior Research Scientist I*. Institute of Meteoritics, University of New Mexico,. Research and publication on planetary materials.

CURRENT FUNDING

- *NASA, Near Earth Object Observations program*, ANSMET: The Antarctic Search for Meteorites, \$1.9 M (2017-2022, J. Karner and R. Harvey Co-PIs); *NASA, Cosmochemistry program*, Assessing the oxygen fugacity of basaltic magmatism on small bodies using the partitioning and oxidation states of V and Cr, \$250 K (2014-2018, J. Karner PI).

RECENT HONORS AND AWARDS

- *Principle Investigator* on awarded NASA Cosmochemistry grant, *Assessing the oxygen fugacity of basaltic magmatism on small bodies using the partitioning and oxidation states of V and Cr*. (2014)
- *Keynote speaker*, Student Scholarship & Creative Achievement Conf., Bemidji State University (2014)
- *Outstanding Alumni Award*, Bemidji State University (2012)

SERVICE AND ACTIVITIES

- *Outreach*- Give several lectures/talks per year on meteorites and meteorite hunting in Antarctica to museums, colleges, municipal educational programs and professional science groups; also identify dozens of suspect meteorites for the general public.
- *Review Panelist*- for proposals submitted to *NASA Earth and Space Science Fellowship- Cosmochemistry*, *NASA Lunar Advanced Science and Exploration Research*, *NASA Emerging Worlds* program.
- *Reviewer*- of 2 to 3 manuscripts per year submitted to journals such as *Geochemica et Cosmochimica Acta*, *American Mineralogist*, *Meteoritics and Planetary Science*, *Icarus*, *Journal of Geophysical Research*,

SELECT PEER-REVIEWED PUBLICATIONS

- Harvey, R., Schutt, J. and Karner, J. (2014) "Fieldwork methods of the US Antarctic Search for Meteorites Program", *In Thirty-five Seasons of U.S. Antarctic Meteorites: A Pictorial Guide to the Collection* (Richter K., Corrigan C., McCoy T. and Harvey R., eds.) American Geophysical Union, p. 23-41.
- Papike, J.J. Karner, J.M., Shearer, C.K., and Burger, P. (2009) Silicate mineralogy of martian meteorites. *GCA*, 73, 7443-7485.
- Karner, J.M., Papike, J.J., Sutton, S.R., Shearer, C.K., McKay, G., Le, L., and Burger, P.V. (2010) Partitioning of Eu between augite and a highly spiked martian basalt composition as a function of oxygen fugacity (IW-1 to QFM): Determination of Eu²⁺/Eu³⁺ ratios by XANES. *American Mineralogist*, 95, 410-413.
- Karner, J.M., Papike, J.J., Shearer, C.K., McKay, G., Le, L., and Burger, P.V. (2007) Valence state partitioning of Cr and V between pyroxene-melt: estimates of oxygen fugacity for martian basalt QUE 94201. *American Mineralogist*, 92, 1238-1241.



Board Appointment Approval

Ben McAdams

Salt Lake County Mayor

Erin Litvack

Deputy Mayor, County Services

Rick Graham

Deputy Mayor, Operations

Karen Hale

Deputy Mayor, Community
& External Affairs

Darrin Casper

Deputy Mayor, Finance
& Administration

On the 17th day of July 2018 the Salt Lake County Council consents to the appointment of Mr. James Karner as a member of the *Clark Planetarium Advisory Board*.

His first, three-year term began July 1, 2018 and will end June 30, 2021.

Salt Lake County Council

Aimee Winder Newton
Chair, Salt Lake County Council

Attest:

Sherrie Swensen, County Clerk

Please instruct the Council Clerk to return this form to Anna Vukin-Chow in the Mayor's Office, N2- 100 to process this appointment.