Committee on Science, Space, and Technology

U.S. House of Representatives

Witness Disclosure Requirement - "Truth in Testimony"
Required by House Rule XI, Clause 2(g)(5)

1. **Your Name:** G. SETH SHOSTAK

	Yes	No
2. **Are you testifying on behalf of the Federal, or a State or local government entity?**		X
3. **Are you testifying on behalf of an entity that is not a government entity?**	X	

4. **Other than yourself, please list which entity or entities you are representing:**

SETI Institute
189 Bernardo Ave.
Mountain View, CA 94043

5. **Please list any Federal grants or contracts (including subgrants or subcontracts) that <u>you or the entity you represent have received</u> on or after October 1, 2011:**

See attached list. Note that none of these include monies for SETI research.

6. **If your answer to the question in item 3 in this form is "yes," please describe your position or representational capacity with the entity(ies) you are representing:**

Senior Astronomer

	Yes	No
7. **If your answer to the question in item 3 is "yes," do any of the entities disclosed in item 4 have parent organizations, subsidiaries, or partnerships that you are not representing in your testimony?**		X

8. **If the answer to the question in item 3 is "yes," please list any Federal grants or contracts (including subgrants or subcontracts) that were received by the entities listed under the question in item 4 on or after October 1, 2011, that exceed 10 percent of the revenue of the entities in the year received, including the source and amount of each grant or contract to be listed:**

See attached. These are for astrobiology research, not for SETI research.

I certify that the above information is true and correct.

Signature: G Seth Shostak **Date:** May 14, 2014

Award Type	Award_Contract #	Start Date	Funding Source	Title
Agreement	NNX12AJ19A	05/09/2012	NASA	A Study of the Atmospheres of Brown Dwarfs and Extra Solar Planets and the Sources of Atomic and Molecular Opacity in Their Atmospheres
Agreement	NNX12AG91A	03/08/2012	NASA	Advancing the Search for Life on Mars Through Robotic Exploration and Field Analogue Research
Agreement	NNX13AF68A	02/01/2013	NASA	Biogenic Gases from Anoxygenic Photosynthesis in Microbial Mats
Agreement	NNX12AG96A	04/01/2012	NASA	Calculation of high-resolution IR spectra, including line lists and intensities, for astronomically interesting molecules and their isotopologues: NH3, H30+, SO2, and CH3-O-CH3
Agreement	NNX13AK19A	05/20/2013	NASA	Characterization of Martian Surface Mineralogy and Habitability
Agreement	NNX13AJ87A	05/01/2013	NASA	Characterization of the dark material in the Saturn system
Agreement	NNX13AO22A	11/15/2013	NASA	Clay Mineralogy for Paleoenvironmental Reconstructions of Ancient Mars and Earth
Agreement	NNX12AR70A	10/01/2012	NASA	Disk Evolution, Dispersal and Planet Formation
Agreement	NNX14AG15A	03/25/2014	NASA	DREAM II: Dynamic Response of Environments at Asteroids, the Moon, and Moons of Mars
Agreement	NNX12AH04A	03/16/2012	NASA	Dynamical Disks: Primary Accretion and Planetary Rings
Agreement	NNX14AH78A	04/23/2014	NASA	Formation of Giant Planets and sub-Neptunes by Core-Nucleated Accretion
Agreement	NNX12AR42A	09/12/2012	NASA	MID-IR SPECTROSCOPY FOR SMALL SATELLITES (MIRSSS)
Agreement	NNX13AR69A	09/23/2013	NASA	Mission Design and Planning Support
Agreement	NNX12AC47A	12/27/2011	NASA	OMEGA for Sustainable Aviation Biofuels
Agreement	NNX13AD56A	12/20/2012	NASA	Planet and Satellite Systems
Agreement	NNX13AD01A	03/01/2013	NASA	Science Analysis Support for NASA Discovery Program's Kepler Extended Mission
Agreement	NNX13AD16A	03/01/2013	NASA	Science Processing Support for the Extended Kepler Mission
Agreement	NNX12AR37A	10/01/2012	NASA	Simulation of Planetary Surfaces and Atmospheres, Comets, Interstellar Grains, Functionalization of Carbon Nanotubes, Development of Cold Plasma Showers for Sterilization of Microbes, and Characterization of Compounds in Wastewater
Agreement	NNX12AR71A	09/28/2012	NASA	Support for the CheMin mineralogical instrument during the Mars Science Laboratory (MSL'11) mission: Experiment planning, data analysis and mission operations
Grant	NNX12AM75G	07/19/2012	NASA	A compositional interpretation of TNO taxonomy
Grant	NNX12AM14G	07/18/2012	NASA	A spectroscopic survey of meteoroid elemental compositions
Grant	NNX14AB92G	12/09/2013	NASA	Accurate Fundamental Properties of Kepler Target Stars
Grant	NNX12AH85G	04/10/2012	NASA	Aeolian activity in the last 400 ka driven by insolation changes: Can global and mesoscale atmospheric modeling explain when and how Meridiani Planum ripples last migrated?
Grant	NNX13AH77G	04/05/2013	NASA	An Investigation of the Feedbacks between Pluto's Atmosphere and Surface
Grant	NNX13AK68G	05/29/2013	NASA	Characterizing the Current Aeolian Transport Environment for Sediment in Greater Meridiani Planum
Grant	NNX12AO39G	08/01/2012	NASA	Comminution of Aeolian Materials on Mars
Grant	NNX12AG97G	04/18/2012	NASA	Dust in Supernova Ejecta: Infrared Study of Young Supernova Remnants
Grant	NNX13AQ03G	08/16/2013	NASA	Ejecta Properties and Cratering Dynamics: Experimental Studies and Computational Benchmarking
Grant	NNX13AN21G	07/17/2013	NASA	Experiments to investigate Coherent Backscatter from atmosphereless bodies
Grant	NNX13AO07G	07/29/2013	NASA	Exploring Planetary Habitability and Life
Grant	NNX12AI81G	05/02/2012	NASA	Global Evolution of Solids in the Circumplanetary Subnebula

Grant	NNX13AC45G	01/01/2013	NASA	Heartbeat Stars: A New Class of Binary System with Extreme Periastron Brightenings and Tidally Excited Modes
Grant	NNX13AB05G	12/05/2012	NASA	Hybrid powder / single-crystal X-ray diffraction instrument for planetary mineralogical analysis of unprepared samples
Grant	NNX12AQ11G	08/22/2012	NASA	Initial Analysis of Pluto's Tiniest Moon
Grant	NNX13AG84G	02/08/2013	NASA	Integrating underwater science and exploration activities to understand the effects of time delayed communications and distributed operations on scientific productivity and data return for future human space exploration.
Grant	NNX12AO55G	08/03/2012	NASA	Investigating the mineralogy at Libya Montes, Mars, determining if carbonates are present, and characterizing the geologic history of the Isidis Planitia region
Grant	NNX12AJ33G	05/16/2012	NASA	Investigating the Origin of Layered Outcrops in the Mawrth Vallis Region
Grant	NNX13AB61G	10/16/2012	NASA	Kepler Education and Public Outreach: A SETI Institute Project
Grant	NNX14AF61G	04/10/2014	NASA	Laboratory measurements of the optical constants of complex organic matter
Grant	NNX12AD61G	03/15/2012	NASA	Life at the dry limit: Cyanobacteria inside halite pinnacles in the Atacama desert
Grant	NNX13AI67G	03/22/2013	NASA	Low temperature characterization of hydrohalite and related salts essential to life in the Atacama
Grant	NNX13AJ73G	04/01/2013	NASA	Mapping Summertime Evolution of Ice in the North and South Poles with CRISM
Grant	NNX12AO41G	08/03/2012	NASA	Orbital Dynamics of Small Bodies in the Inner Solar System
Grant	NNX14AE23G	02/14/2014	NASA	Precision Pointing Reconstruction and Backplanes in Support of Cassini Remote Sensing Science
Grant	NNX14AE89G	02/28/2014	NASA	Reflight of the Stratospheric TeraHertz Observatory: STO-2 - Collaborative Proposal
Grant	NNX13AQ44G	08/21/2013	NASA	Spin States of Near-Earth asteroids From Radar Speckle Tracking
Grant	NNX12AP54G	08/15/2012	NASA	Structural and Compositional Evolution of Saturn's Rings
Grant	NNX13AJ08G	04/05/2013	NASA	The formation and detection of biogenic aromatics in dense molecular clouds around embedded protostars
Grant	NNX13AJ18G	04/09/2013	NASA	Understanding laser-induced breakdown spectroscopy (LIBS) on Mars - New approaches for quantitative elemental analysis and mineral classification
Grant	NNX12AD21G	02/10/2012	NASA	Uniform Modeling of Kepler Objects of Interest
Grant	NNX14AB82G	12/04/2013	NASA	Uniform Modeling of Kepler Objects of Interest
Grant	NNX13AC80G	11/28/2012	NASA	Unraveling the sedimentary history of gypsum sand in the northern polar sand seas of Mars
Grant	NNX12AL48G	07/16/2012	NASA	Validation, calibration, and scientific analysis of profiles acquired by the atmospheric sounders on MGS and MRO
Grant	AST-1313003	09/01/2013	NSF	COLLABORATIVE RESEARCH: Understanding Protoplanetary Disk Winds and Planet Interactions via Disk Emission Lines
Grant	AST-1240116	03/15/2012	NSF	Methane Imaging Search for Planetary Mass Objects in the Nearest Star-Forming Regions
Grant	AST-1359346	03/15/2014	NSF	REU SITE: Life in the Universe - Astronomy and Planetary Science at the SETI Institute
Grant	HST-GO-12894.04	11/01/2012	SpaceTelescope Science Institute (Hubble)	Methane Migration on a Uranus-class planet: symmetric or seasonal?
Grant	HST-GO-13055.01	10/01/2012	SpaceTelescope Science Institute (Hubble)	Orbital Evolution and Stability of the Inner Uranian Moons
Grant	HST-GO-12565.02	12/01/2011	SpaceTelescope Science Institute (Hubble)	Primordial Carbon Abundances in Extremely Metal-Poor Stars