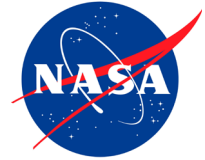


National Aeronautics and Space Administration



Headquarters

Washington, DC 20546-0001

February 7, 2023

Reply to attn. of: Office of Communications
History and Information Services Division

John Greenwald, Jr.
The Black Vault, Inc.
27305 W. Live Oak Rd., Suite 1203
Castaic, CA 91384-4520

Re: NASA FOIA Tracking Number **23-00084-F-GSFC**

Dear Mr. Greenwald:

This is our final response to your Freedom of Information Act (FOIA) request to the National Aeronautics and Space Administration (NASA), dated and received in this office on November 10, 2022. Your request was assigned the above-referenced tracking number. You seek the following:

"All emails, with any level of classification, which contain the following keywords: "Unidentified Aerial" and/or "Unidentified Flying" and/or "UAP" and/or "UFO" and/or "Unidentified Spacecraft" and/or "Unidentified aircraft" and/or "UAPTF" and/or "AARO" and/or "Anomaly Resolution"

PLEASE INCLUDE ALL ATTACHMENTS TO EMAILS FOUND.

I ask that you search the follow e-mail boxes, with the time frames in the parentheses:

- Lonnie Shekhtman (May 1, 2018, through the date of processing this request)

You may omit any newspaper articles that are publicly available, which do NOT contain commentary. Should the email have additional commentary including a newspaper, I ask that you please include those as responsive to this request."

In an email dated November 29, 2022, you agreed to omit the overly broad term "Anomaly Resolution" from the search. Additionally, in an email dated December 15, 2022, you also agreed to amend your request to omit any non-UAP related information.

In response to your request, we tasked NASA's Information Technology (IT) division to conduct a search of the email account for Christy Hansen using the search terms "Unidentified Aerial" and/or "Unidentified Flying" and/or "UAP" and/or "UFO" and/or "Unidentified Spacecraft" and/or "Unidentified aircraft" and/or "UAPTF" and/or "AARO" between January 1, 2016, and November 14, 2022, the date of the search. That search identified records responsive to your request. We reviewed the responsive records under the FOIA to determine whether they may be disclosed to you. Based on that review, this office is providing the following:

132 page(s) are released in full (RIF);¹
144 page(s) are released in part (RIP);
0 page(s) are withheld in full (WIF);²
58 page(s) are duplicate copies of material already processed;

NASA redacted from the enclosed documents certain information pursuant to the following FOIA exemptions:

Exemption 5, 5 U.S.C. § 552(b)(5)

Exemption 5 protects “inter-agency or intra-agency memorandums or letters which would not be available by law to a party other than an agency in litigation with the agency.”

5 U.S.C. § 552(b)(5). Courts interpret Exemption 5 to incorporate three primary privileges: the attorney work-product privilege, the attorney-client privilege and the deliberative process privilege. NASA invokes the deliberative process privilege.

The deliberative process privilege is intended to protect the decision-making process of government agencies and to encourage frank discussion of legal and policy issues. The scope of the privilege covers documents reflecting advisory opinions, recommendations, and deliberations comprising part of a process by which government decisions and policies are formulated. To qualify for the deliberative process privilege, a document must be both “pre-decisional” and “deliberative.” Documents are pre-decisional when they precede an agency decision and are prepared in order to assist an agency in arriving at its decision. Documents are deliberative when they comprise part of the process by which government decisions are made. The types of information NASA withheld under this exemption consists of draft documents, recommendations and opinions expressed by employees. NASA considered the foreseeable harm that would result from the release of this information and determined that its release would hinder the decision-making process, create a chilling effect on internal deliberations, lead to uninformed decision-making, and public confusion.

Exemption 6, 5 U.S.C. § 552(b)(6)

Exemption 6 allows withholding of “personnel and medical files and *similar files* the disclosure of which would constitute a clearly unwarranted invasion of personal privacy.” 5 U.S.C. § 552(b)(6)(emphasis added). NASA invokes exemption 6 to protect work cell phone numbers.

¹ All page counts are approximate numbers.

² Per your agreement, 46 pages of non UAP related information, were considered out of scope of the request. Therefore, they are not included in the number of pages provided above.

Fees

Provisions of the FOIA allow us to recover part of the cost of complying with your request. In this instance, because the cost is below the \$50 minimum, there is no charge.

Appeal

You have the right to appeal my action regarding your request. Your appeal must be received within 90 days of the date of this response. Please send your appeal to:

Administrator
NASA Headquarters
Executive Secretariat
ATTN: FOIA Appeals
MS 9R17
300 E Street S.W.
Washington, DC 20546

Both the envelope and letter of appeal should be clearly marked, "Appeal under the Freedom of Information Act." You must also include a copy of your initial request, the adverse determination, and any other correspondence with the FOIA office. In order to expedite the appellate process and ensure full consideration of your appeal, your appeal should contain a brief statement of the reasons you believe this initial determination should be reversed. Additional information on submitting an appeal is set forth in the NASA FOIA regulations at 14 C.F.R. § 1206.700.

Assistance and Dispute Resolution Services

If you have any questions, please feel free to contact me at Alyssa.k.bias@nasa.gov or (202) 358-4664. For further assistance and to discuss any aspect of your request you may also contact:

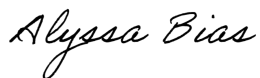
Stephanie Fox
Chief FOIA Public Liaison
Freedom of Information Act Office
NASA Headquarters
300 E Street, S.W., 5P32
Washington D.C. 20546
Phone: 202-358-1553
Email: Stephanie.K.Fox@nasa.gov

Additionally, you may contact the Office of Government Information Services (OGIS) at the National Archives and Records Administration to inquire about the FOIA mediation services it offers. The contact information for OGIS is as follows: Office of Government Information Services, National Archives and Records Administration, 8601 Adelphi Road-OGIS, College

Park, Maryland 20740-6001, e-mail at ogis@nara.gov; telephone at 202-741-5770; toll free at 1-877-684-6448; or facsimile at 202-741-5769.

Important: Please note that contacting any agency official including myself, NASA's Chief FOIA Public Liaison, and/or OGIS is not an alternative to filing an administrative appeal and does not stop the 90 day appeal clock.

Sincerely,

A handwritten signature in cursive script that reads "Alyssa Bias".

Alyssa Bias
Government Information Specialist

This document is made available through the declassification efforts
and research of John Greenewald, Jr., creator of:

The Black Vault



The Black Vault is the largest online Freedom of Information Act (FOIA)
document clearinghouse in the world. The research efforts here are
responsible for the declassification of hundreds of thousands of pages
released by the U.S. Government & Military.

Discover the Truth at: **<http://www.theblackvault.com>**

From: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
To: [VICKERS, PETER J.](#)
Subject: Re: [EXTERNAL] FW: Fermi paradox - New evidence
Date: Wednesday, January 15, 2020 11:54:20 AM

1. Ignore
- or
2. Write "Thanks for your note. I'll check out some of the materials you sent when I get a chance. All the best ..."

Lonnie

--

Lonnie Shekhtman
Senior Science Writer
Solar System Exploration
NASA's Goddard Space Flight Center
301-614-6833

From: "VICKERS, PETER J." <(b) (6)>
Date: Wednesday, January 15, 2020 at 11:37 AM
To: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>
Subject: [EXTERNAL] FW: Fermi paradox - New evidence

p.s. How do you handle emails such as this? You must get a few...

From: (b) (6)
Sent: 15 January 2020 14:29
To: VICKERS, PETER J. <(b) (6)>
Subject: Fermi paradox - New evidence

Dear Dr. Vickers,

I came across your recent 'The Conversation' piece regarding 'alien life' and noted one of your replies to a poster:

"You call it 'evidence', but would scientists agree that it is 'evidence'? Any scientists? If so, you should be able to get it noticed eventually, by finding a scientist who is sufficiently open minded. There are plenty about. Not all scientists are closed minded!"

Are you at all familiar with the corroborative nature of some UFO data? If not, you might be interested to learn that

there is indeed strong physical evidence for the existence of UFOs.

I happen to be one of very few scientists who has actually chemically analyzed an unusual substance impregnating a ring of soil which was reportedly deposited by a hovering UFO. This analysis was carried out in the chemistry laboratory of Nottingham University here in the UK with the aid of academic staff there. The findings have been independently corroborated by labs in the U.S. and strongly support the contention that UFOs *do* actually represent non-terrestrial visitors displaying unusual technology.

I have written a book explaining my involvement and the analysis findings which is linked below. I would recommend that you read the Foreword to the book written by Dr. Michael Swords to get useful background knowledge to the case.

http://www.amazon.com/Compelling-Scientific-Evidence-UFOs-Analysis/dp/150271552X/ref=sr_1_1?ie=UTF8&qid=1461408299&sr=8-1&keywords=delphos+ufo

The original case report describing the peculiar water-repellent nature of the ring soil attributed to the hovering UFO and written by the lead field investigator Ted Phillips can be read here:

http://www.ignaciodarnaude.com/avistamientos_ovnis/Phillips.Landing%201971.Delphos.Kansas.FSR-CH%201972%20N%209.pdf

One of the labs in the U.S. subsequently involved in analyzing the soil and corroborating my discovery of the presence of a chemiluminescent compound was the Battelle Memorial Institute in Ohio.

So far, *no one* has been able to explain this case in prosaic terms. This would have to include, for example, a rationale for how/why the ring on the ground is elongated towards the wind direction on the night of the reported event. The witnesses also felt the ring soil after the UFO departed and described it as being 'pitted with craters' and moist!

Incidentally, you may not be aware that the first Director of the CIA, Vice Admiral Roscoe Hillenkoetter gave the following statement to Congress in 1960 (which was then published in the NY Times): "Behind

the scenes, high-ranking Air Force officers are soberly concerned about UFOs. But through official secrecy and ridicule, many citizens are led to believe the unknown flying objects are nonsense". After retirement Hillenkoetter became directly involved in UFO investigation by becoming a board member of NICAP, a civilian UFO Research organisation. Why would an ex CIA director do such a thing if he knew that UFOs were just 'nonsense'? More information on Hillenkoetter can be found here:

https://en.wikipedia.org/wiki/Roscoe_H._Hillenkoetter

You may also not be aware that there is powerful testimony from several retired U.S. military personnel of close proximity disabling by UFOs of U.S. ICBM missile banks! A video recording of this verbal testimony can be found on this link:

<http://www.ufohastings.com/>

The UFO phenomenon is much more intriguing than most scientists could possibly imagine - mainly because they lack basic knowledge brought about through long-term disinformation by the authorities. There is abundant evidence for the suppression of information because of potential public disquiet at any revelations. It's high time for the scientific mainstream to wake up to this conundrum.

There is an excellent authoritative overview of the UFO situation concerning sightings by military pilots and other highly credible witnesses which was written by the investigative journalist Leslie Kean (and acclaimed by physicist Michio Kaku) which I would recommend to you.

<http://www.ufosontherecord.com/>

I look forward to your feedback on any of the above.

Sincerely,

|

Erol A. Faruk Ph.D

From: [Gran, Rani C. \(GSFC-1300\)](#)
To: [Jenny Marder Fadoul](#); [Tiedeken, Staci L. \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
Cc: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#); [Tran, Lina \(GSFC-670.0\)\[SGT INC\]](#); [Hatfield, Miles S. \(GSFC-130.0\)\[TELOPHASE CORP\]](#); [Barry, Caela E. \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#); [Landau, Elizabeth R \(HQ-1864\)\[ASRC FEDERAL SYSTEM SOLUTIONS\]](#); [Thompson, Jay R \(JPL-1867\)\[JPL Employee\]](#); [Hoover, Rachel L. \(ARC-DO\)](#); [Lonnie Shekhtman \(via Google Drive\)](#)
Subject: Re: [EXTERNAL] Re: Book club!
Date: Saturday, May 8, 2021 5:25:11 PM

Thank you. I felt a little silly for not seeing the pin on the side of the page.

Rani

--

Rani C. Gran
Office of Communications
Mail Code 420, B36, S470
NASA Goddard Space Flight Center
Greenbelt, MD. 20771
Work Cell : (b) (6)
Phone: 301-286-2483

"If we amplify everything, we hear nothing," Jon Stewart.

From: Jenny Marder Fadoul <(b) (6)>
Date: Saturday, May 8, 2021 at 6:24 PM
To: "Tiedeken, Staci L. (GSFC-690.0)[ADNET SYSTEMS INC]" <staci.l.tiedeken@nasa.gov>
Cc: Rani Gran <rani.c.gran@nasa.gov>, "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>, "Tran, Lina (GSFC-670.0)[SGT INC]" <lina.tran@nasa.gov>, "Hatfield, Miles S. (GSFC-130.0)[TELOPHASE CORP]" <miles.s.hatfield@nasa.gov>, "Barry, Caela E. (GSFC-690.0)[ADNET SYSTEMS INC]" <caela.e.barry@nasa.gov>, "Landau, Elizabeth R (HQ-1864)[ASRC FEDERAL SYSTEM SOLUTIONS]" <elizabeth.r.landau@nasa.gov>, "Thompson, Jay R (JPL-1867)[JPL Employee]" <Jay.R.Thompson@jpl.nasa.gov>, "Hoover, Rachel L. (ARC-DO)" <rachel.hoover@nasa.gov>, "Lonnie Shekhtman (via Google Drive)" <(b) (6)>
Subject: Re: [EXTERNAL] Re: Book club!

Yes Staci's right. (b) (6) for that first pin.

Sent from my iPhone

On May 8, 2021, at 6:23 PM, Jenny Marder Fadoul <(b) (6)> wrote:

Oh! It's (b) (6) because that was the closest I could get to spelling book

Sent from my iPhone

On May 8, 2021, at 6:19 PM, Tiedeken, Staci L. (GSFC-690.0)[ADNET SYSTEMS INC] <staci.l.tiedeken@nasa.gov> wrote:

It says to type in (b) (6) for the pin on the side of the log-in page.

Staci L. Tiedeken
Outreach Coordinator, Solar System Exploration Division
ADNET Systems, Inc.
NASA's Goddard Space Flight Center, Code 690
C: (b) (6)

From: Gran, Rani C. (GSFC-1300) <rani.c.gran@nasa.gov>
Sent: Saturday, May 8, 2021 6:12 PM
To: Jenny Marder Fadoul <(b) (6)> Shekhtman,
Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]
<lonnie.shekhtman@nasa.gov>
Cc: Tran, Lina (GSFC-670.0)[SGT INC] <lina.tran@nasa.gov>; Hatfield,
Miles S. (GSFC-130.0)[TELOPHASE CORP] <miles.s.hatfield@nasa.gov>;
Barry, Caela E. (GSFC-690.0)[ADNET SYSTEMS INC]
<caela.e.barry@nasa.gov>; Landau, Elizabeth R (HQ-1864)[ASRC FEDERAL
SYSTEM SOLUTIONS] <elizabeth.r.landau@nasa.gov>; Tiedeken, Staci L.
(GSFC-690.0)[ADNET SYSTEMS INC] <staci.l.tiedeken@nasa.gov>;
Thompson, Jay R (JPL-1867)[JPL Employee]
<Jay.R.Thompson@jpl.nasa.gov>; Hoover, Rachel L. (ARC-DO)
<rachel.hoover@nasa.gov>; Lonnie Shekhtman (via Google Drive)
<(b) (6)>
Subject: Re: [EXTERNAL] Re: Book club!

Do you know what are pin is?

Rani

--
Rani C. Gran
Office of Communications
Mail Code 420, B36, S470
NASA Goddard Space Flight Center
Greenbelt, MD. 20771
Work Cell : (b) (6)
Phone: 301-286-2483

"If we amplify everything, we hear nothing," Jon

Stewart.

From: Jenny Marder Fadoul <(b) (6)>
Date: Friday, May 7, 2021 at 9:44 PM
To: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>
Cc: "Tran, Lina (GSFC-670.0)[SGT INC]" <lina.tran@nasa.gov>, "Hatfield, Miles S. (GSFC-130.0)[TELOPHASE CORP]" <miles.s.hatfield@nasa.gov>, "Barry, Caela E. (GSFC-690.0)[ADNET SYSTEMS INC]" <caela.e.barry@nasa.gov>, "Landau, Elizabeth R (HQ-1864)[ASRC FEDERAL SYSTEM SOLUTIONS]" <elizabeth.r.landau@nasa.gov>, "Tiedeken, Staci L. (GSFC-690.0)[ADNET SYSTEMS INC]" <staci.l.tiedeken@nasa.gov>, Rani Gran <rani.c.gran@nasa.gov>, "Thompson, Jay R (JPL-1867)[JPL Employee]" <Jay.R.Thompson@jpl.nasa.gov>, "Hoover, Rachel L. (ARC-DO)" <rachel.hoover@nasa.gov>, "Lonnie Shekhtman (via Google Drive)" <(b) (6)>
Subject: [EXTERNAL] Re: Book club!

Alright, book club. NASA Moves is ON. We're called the Bookworms. Here's the link to sign up.

<https://bit.ly/3vMsb91>

We have zero steps logged so far, so it's the lowest bar imaginable.

Go forth and walk! (Or run. Or whatever it is you all do.)

Jenny

On Fri, May 7, 2021 at 9:27 AM Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC] <lonnie.shekhtman@nasa.gov> wrote:

For next week, y'all: "[How the Pentagon Started Taking U.F.O.s Seriously.](#)"

Plus, this related piece by a fabulous exoplanet scientist, [Ravi Kopparapu](#), in my division: [‘Unidentified Aerial Phenomena,’ Better Known as UFOs, Deserve Scientific Investigation”](#)

Don’t miss out!

See you soon,
Lonnie

Leaving your reading recommendations here:

<https://docs.google.com> (b) (6)

(b) (6)

Microsoft Teams meeting

Join on your computer or mobile app

[Click here to join the meeting](#)

ALERT: All meeting participants consent to, and will abide by, the terms and conditions viewable at the LEGAL link below. No ITAR/EAR content display or sharing without consent from Export Control.

[Learn More](#) | [Help](#) | [Meeting options](#) | [Legal](#)

--

Jenny Marder | Senior science writer, [NASA](#) | Freelance journalist | 310-367-0708 | @jennymarder

From: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
To: [Hatfield, Miles S. \(GSFC-130.0\)\[TELOPHASE CORP\]](#); [Landau, Elizabeth R. \(HQ-1864\)\[ASRC FEDERAL SYSTEM SOLUTIONS\]](#); [Gran, Rani C. \(GSFC-1300\)](#); [Tran, Lina \(GSFC-670.0\)\[SGT INC\]](#); [Barry, Caela E. \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#); [Tiedeken, Staci L. \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#); [Fadoul, Jenny Marder \(GSFC-470.0\)\[TELOPHASE CORP\]](#)
Date: Friday, May 14, 2021 8:56:30 AM

but did you notice how many UFO reports described cigar-shaped objects?

From: [Fadoul, Jenny Marder \(GSFC-470.0\)\[TELOPHASE CORP\]](#)
To: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#); [Hatfield, Miles S. \(GSFC-130.0\)\[TELOPHASE CORP\]](#);
[Landau, Elizabeth R \(HQ-1864\)\[ASRC FEDERAL SYSTEM SOLUTIONS\]](#); [Gran, Rani C. \(GSFC-1300\)](#); [Tran, Lina \(GSFC-670.0\)\[SGT INC\]](#); [Barry, Caela E. \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#); [Tiedeken, Staci L. \(GSFC-690.0\) \[ADNET SYSTEMS INC\]](#)
Date: Friday, May 14, 2021 8:57:42 AM

random thing. The very end of the New Yorker article named a guy who works on documentaries about UFO's, and I saw the name and was like, is that the guy I knew from high school? And I looked it up and it was

From: [Fadoul, Jenny Marder \(GSFC-470.0\)\[TELOPHASE CORP\]](#)
To: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#); [Hatfield, Miles S. \(GSFC-130.0\)\[TELOPHASE CORP\]](#);
[Landau, Elizabeth R \(HQ-1864\)\[ASRC FEDERAL SYSTEM SOLUTIONS\]](#); [Gran, Rani C. \(GSFC-1300\)](#); [Tran, Lina \(GSFC-670.0\)\[SGT INC\]](#); [Barry, Caela E. \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#); [Tiedeken, Staci L. \(GSFC-690.0\) \[ADNET SYSTEMS INC\]](#)
Date: Friday, May 14, 2021 9:00:28 AM

haha, no. His name is (b) (6). he dated a few of my friends. He was (b) (6) the UFO thing tracks

From: [Landau, Elizabeth R \(HQ-1864\)\[ASRC FEDERAL SYSTEM SOLUTIONS\]](#)
To: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]; Hatfield, Miles S. \(GSFC-130.0\)\[TELOPHASE CORP\]; Gran, Rani C. \(GSFC-1300\); Tran, Lina \(GSFC-670.0\)\[SGT INC\]; Barry, Caela E. \(GSFC-690.0\)\[ADNET SYSTEMS INC\]; Tiedeken, Staci L. \(GSFC-690.0\)\[ADNET SYSTEMS INC\]; Fadoul, Jenny Marder \(GSFC-470.0\)\[TELOPHASE CORP\]](#)
Date: Friday, May 21, 2021 1:09:16 PM

(by Jenny's story, not by the UFO story!)

From: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
To: [Hatfield, Miles S. \(GSFC-130.0\)\[TELOPHASE CORP\]](#); [Landau, Elizabeth R. \(HQ-1864\)\[ASRC FEDERAL SYSTEM SOLUTIONS\]](#); [Gran, Rani C. \(GSFC-1300\)](#); [Tran, Lina \(GSFC-670.0\)\[SGT INC\]](#); [Barry, Caela E. \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#); [Tiedeken, Staci L. \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#); [Fadoul, Jenny Marder \(GSFC-470.0\)\[TELOPHASE CORP\]](#)
Date: Monday, May 24, 2021 8:47:24 AM

and this by harry reid, very similar argument to Ravi's:

<https://www.nytimes.com/2021/05/21/special-series/harry-reid-ufo.html>

From: [Gran, Rani C. \(GSFC-1300\)](#)
To: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#); [Jenny Marder Fadoul](#)
Subject: FW: I need your help
Date: Tuesday, June 1, 2021 1:01:51 PM

Great answer from Jim.

Rani

--

Rani C. Gran
Office of Communications
Mail Code 420, B36, S470
NASA Goddard Space Flight Center
Greenbelt, MD. 20771
Work Cell : (b) (6)
Phone: 301-286-2483

"If we amplify everything, we hear nothing," Jon Stewart.

From: "Garvin, James B. (GSFC-6000)" <james.b.garvin@nasa.gov>
Date: Tuesday, June 1, 2021 at 1:58 PM
To: Rani Gran <rani.c.gran@nasa.gov>
Cc: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>
Subject: RE: I need your help

Duplicate Email - Released in 21-HQ-F-00603



Deletion Page

Requester: John Greenewald

Request #: 23-00084-F-GSFC

6 page(s) containing duplicate
information is/are held in the file.

From: [Gran, Rani C. \(GSFC-1300\)](#)
To: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#); [Hatfield, Miles S. \(GSFC-130.0\)\[TELOPHASE CORP\]](#); [Landau, Elizabeth R \(HQ-1864\)\[ASRC FEDERAL SYSTEM SOLUTIONS\]](#); [Tran, Lina \(GSFC-670.0\)\[SGT INC\]](#); [Barry, Caela E. \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#); [Tiedeken, Staci L. \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#); [Fadoul, Jenny Marder \(GSFC-470.0\)\[TELOPHASE CORP\]](#)
Date: Tuesday, June 1, 2021 10:32:13 AM

The UFO report is supposed to come out today.

From: [Gran, Rani C. \(GSFC-1300\)](#)
To: [Hautaluoma, Grey \(HQ-NA020\)](#); [Jones, Nancy N. \(GSFC-1300\)](#)
Cc: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
Subject: Re: Ravi_Interview
Date: Tuesday, June 1, 2021 10:35:08 AM

Exactly....

Since the UFO report is supposed to come out today, I going to set up a murder board for Ravi today, probably 1:00 pm. I was going to ask fellow PAOs participate, and ask him questions, and off topic questions to make sure he does better for the next interview or doesn't make the same tyoe of mistake.

Rani

--
Rani C. Gran
Office of Communications
Mail Code 420, B36, S470
NASA Goddard Space Flight Center
Greenbelt, MD. 20771
Work Cell : (b) (6)
Phone: 301-286-2483

"If we amplify everything, we hear nothing," Jon Stewart.

From: "Hautaluoma, Grey (HQ-NA020)" <grey.hautaluoma-1@nasa.gov>
Date: Tuesday, June 1, 2021 at 11:32 AM
To: Rani Gran <rani.c.gran@nasa.gov>, "Jones, Nancy N. (GSFC-1300)" <nancy.n.jones@nasa.gov>
Cc: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>
Subject: RE: Ravi_Interview

Thanks, Rani. Do we have a good answer in future for the conspiracy type questions, e.g. We focus on the science and NASA data is available to the public... or something...

From: Gran, Rani C. (GSFC-1300) <rani.c.gran@nasa.gov>
Sent: Tuesday, June 1, 2021 10:16 AM
To: Jones, Nancy N. (GSFC-1300) <nancy.n.jones@nasa.gov>; Hautaluoma, Grey (HQ-NA020) <grey.hautaluoma-1@nasa.gov>
Cc: Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC] <lonnie.shekhtman@nasa.gov>
Subject: Ravi_Interview
Importance: High

Hey there,

I'm flagging this morning's interview for you and attached the recording. For the most part the interview went okay, but the DJs were pushing more of the conspiracy side of this at about TC 3:05.

The questions was, "What if you find something that you would prefer that would not come out?" Ravi tried to joke a bit with his answer that unfortunately could be misinterpreted.

Rani


From: Heather Hunter <(b) (6)>

Date: Monday, May 31, 2021 at 10:44 AM

To: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>

Subject: [EXTERNAL] Radio Interview - Washington, D.C. / WMAL - Tuesday 2/1 - Ravi Kopparapu

Duplicate Email - Released in 21-HQ-F-00603



From: [Gran, Rani C. \(GSFC-1300\)](#)
To: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#); [Barry, Caela E. \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#); [Tiedeken, Staci L. \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#); [Jenny Marder Fadoul](#)
Subject: FW: UAP/UFO talking points
Date: Tuesday, June 1, 2021 12:06:55 PM
Attachments: [TP 21-XXX Search for Life, Technosignatures & UAPUFOs.docx](#)

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Rani C. Gran
Office of Communications
Mail Code 420, B36, S470
NASA Goddard Space Flight Center
Greenbelt, MD. 20771
Work Cell : (b) (6)
Phone: 301-286-2483

"If we amplify everything, we hear nothing," Jon Stewart.

From: "Fox, Karen C. (GSFC-1300)" <karen.c.fox@nasa.gov>
Date: Friday, May 28, 2021 at 5:52 PM
To: "Hautaluoma, Grey (HQ-NA020)" <grey.hautaluoma-1@nasa.gov>, Rani Gran <rani.c.gran@nasa.gov>
Cc: "Johnson, Alana R. (HQ-DG000)[ASRC FEDERAL SYSTEM SOLUTIONS]" <alana.r.johnson@nasa.gov>
Subject: UAP/UFO talking points

Cheers all—

Attached please find the final draft of the talking points on UAPs. Pending any comments from the 5th floor, we will get it codified with an official TP#.

Thanks,
Karen

TP: 21-XXX

May 28, 2021

SUBJECT: Search for Life, Technosignatures & Unidentified Aerial Phenomenon(UAP)/ Unidentified Flying Objects (UFOs)

BACKGROUND

Public and media interest in the topic of UAP/ UFOs has seen an uptick in recent weeks following reports on the Department of Defense's release of three unclassified Navy videos. Likewise, the 2021 Intelligence Authorization Act, signed in December 2020, stipulated that the government had a hundred and eighty days to gather and analyze data from disparate agencies. The report is expected to be released in early June.

DOD released a [statement](#) confirming its authorized release of three unclassified Navy videos, one taken in November 2004 and the other two in January 2015, which have been circulating in the public domain after unauthorized releases in 2007 and 2017.

On May 26, [The Washington Post](#) published an opinion piece written by Ravi Kopparapu, a planetary scientist at NASA's Goddard Space Flight Center.

We Need To Put Science At The Center Of The UFO Question

"...With a government report due in June on unidentified aerial phenomena (UAP) and a recent '60 Minutes' story on U.S. Navy pilots' sightings and videos of mysterious images, prominent people in politics, the military and national intelligence are finally asking: What are we looking at?"

STATEMENT

One of NASA's key goals is the search for life in the universe. To date, NASA has yet to find any credible evidence of extraterrestrial life, however, NASA is exploring the solar system and beyond to help us answer fundamental questions, including whether we are alone in the universe. We stand ready to support the rest of the government in the search for life in the universe, be it close to home, on the planets or moons of our Solar System or deeper into space.

KEY POINTS

- One of NASA's key goals is the search for life in the universe. Although we have yet to find signs of extraterrestrial life, NASA is exploring the solar system and beyond to help us answer fundamental questions, including whether we are alone in the universe.
- From studying water on Mars, probing promising "oceans worlds," such as Titan and Europa, to looking for biosignatures in the atmospheres of planets outside our solar system, NASA's science missions are working together with a goal to find unmistakable signs of life beyond Earth.

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- To date, NASA has yet to find any credible evidence of extraterrestrial life, but we are not closed to the possibility that such life exists and might have visited Earth. We stand ready to support the rest of the government in the search for life in the universe, be it close to home, on the planets or moons of our Solar System or deeper into space.
- The nature of science is to better understand the unknown. When we learn of unidentified aerial phenomena, (UAP, or more commonly known as unidentified flying objects or UFOs), it opens up the door to new science questions to explore.
- Most UAP sightings result in very limited data, usually video recordings from a single angle that can only be cross-validated with eyewitness testimony. The language of scientists is data. But without access to an extensive set of data, it is nearly impossible to verify or explain any observation. The lack of robust data, including the lack of access to some existing data, is the central problem for scientific study of UAPs.
- In a sense, the discovery of technology from beyond Earth or the signatures of technology on other worlds would constitute the ultimate biosignature.

QUESTIONS AND ANSWERS

Is there a distinct possibility and probability of life beyond Earth?

There is a possibility and indeed a probability of life beyond Earth, including intelligent life. So far we see no evidence of it, but that doesn't keep people from looking. Science is not a matter of belief, but of evidence. The nature of science is to better understand the unknown. When we learn of unidentified aerial phenomena, (UAP, or more commonly known as unidentified flying objects or UFOs), it opens up the door to new science questions to explore.

Do you believe that aliens exist?

Between research at SETI, analysis of Martian meteorites, recent findings of methane within the Mars atmosphere and other similar studies, there is no current evidence for life elsewhere, intelligent or otherwise. However, one of NASA's key goals is the search for life in the universe. We stand ready to support the rest of the government in the search for life in the universe, be it close to home, on the planets or moons of our Solar System or deeper into space.

The 2021 Intelligence Authorization Act, signed in December 2020, stipulated that the government had a hundred and eighty days to gather and analyze data from disparate agencies. The report is expected to be released in early June. Has NASA been asked to contribute to this report?

NASA anticipates seeing this report through the normal interagency coordination process.

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What are technosignatures?

Technosignatures represent any sign of technology that we can use to infer the existence of intelligent life elsewhere in the universe, including familiar objects of searches for extraterrestrial intelligence such as narrow-band radio signals or pulsed lasers. The term SETI (Search for Extraterrestrial Intelligence) often is used synonymously with the search for technosignatures. Technosignatures are comparable to biosignatures in that they are a detectable sign of extant or extinct life.

NASA funding for radio SETI searches was stopped by Congress in 1992.

Excluding the recent NASA grant to Adam Frank et al., were there any other NASA funded efforts on SETI/technosignatures in the intervening years?

Yes, there were instrument development awards made to develop equipment for larger and faster searches for radio technosignatures. We have also funded a Topical Workshops, Symposia, and Conferences (TWSC) for a workshop to develop a research agenda to prioritize and guide future theoretical and observational studies of non-radio technosignatures, and to draft a publishable report that can serve as the basis for building a library of technosignatures.

Was there explicit language in funding calls, especially in astrobiology and astrophysics, that excluded SETI/technosignatures proposals, prior to 2018?

For some of that period of time, the Exobiology Program explicitly excluded research on technosignatures.

What prompted the very-rapidly-organized NASA Technosignatures Workshop in Houston in 2018?

It was thought that our understanding of biosignatures and exoplanets had grown enough so that a discussion of technosignatures could be held on a firmer scientific foundation than before.

Was the language in funding calls changed after the workshop to allow or even encourage proposals related to SETI and technosignatures?

Yes. The Exobiology Program removed the language prohibiting technosignatures research but continued to prohibit proposals for ground-based, radio-telescope searches for technosignatures. The latter restriction stems from NASA's policy of supporting astrophysical research using space-based assets.

Are radio SETI searches still excluded from funding calls?

If NASA data is used in addition to ground-based radio-telescope data, such proposals may be submitted to the Astrophysics Data Analysis Program.

ADDITIONAL INFORMATION

Exoplanet background

- An exoplanet is a planet outside our solar system. Exoplanets are too far away to visit but can be studied with space telescopes.
- So far, we've confirmed more than 4,300 exoplanets in our galaxy, which probably holds trillions. Thousands more are likely to be confirmed in the years ahead.
- About a fifth of the planets confirmed so far are in Earth's size range, some in the "habitable zone," the distance from the star that could allow liquid water on the planet's surface.
- We also know that the building blocks of life are present throughout the solar system and the cosmos, including water.
- Despite these encouraging signs, we have yet to find evidence of life anywhere but planet Earth, in our solar system or beyond. We also haven't yet found a planet like Earth orbiting a star like the Sun, with a "year" comparable to our own.
- We're now on the cusp of a potential revolution in the study of exoplanets: detecting their atmospheres and searching for chemical signatures that could indicate the presence of life.
- In the near-term, the James Webb Space Telescope, and the next generation of ground-based telescopes, extremely will be able to spread the light from a small sample of Earth-sized exoplanets into a spectrum, potentially revealing the presence of atmospheric gases.
- We'll probably begin with large, gaseous worlds unlikely to be habitable, but that will pave the way for future instruments that could look in on a small, rocky world – perhaps even one similar to our own.
- We might see signs of oxygen, methane and carbon dioxide in such a planet's atmosphere – in other words, an atmosphere that reminds us of home.

Past Missions

Viking Project: 1 & 2

- *NASA's Viking Project was the first mission to reach the martian surface and the first to search for evidence of life on Mars. Viking was NASA's first attempt to search for life on another planet, and was thereby the **first** mission dedicated to astrobiology. The project found a place in history when it became the first U.S. mission to land a spacecraft safely on the surface of Mars and return images of the surface.*
 - Two identical spacecraft, each consisting of a lander and an orbiter, were built. Each orbiter-lander pair flew together and entered Mars orbit; the landers then separated and descended to the planet's surface.
 - The landers conducted three biology experiments designed to look for possible signs of life.

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- These experiments:
 - Discovered unexpected and enigmatic chemical activity in the Martian soil, but provided no clear evidence for the presence of living microorganisms in soil near the landing sites.
 - Taught scientists a great deal about how little we knew about life on Earth and how to detect it.
 - Continue to shape the development of life detection strategies and equipment at NASA and other international agencies.
- NASA's Viking Project took place before NASA's Astrobiology Program was founded, but many scientists from its precursor, NASA's Exobiology Program, participated in the mission.

Kepler and K2 Mission

- *Kepler was a space observatory designed to survey a specific portion of our region of the Milky Way galaxy. An important part of Kepler's work was the identification of Earth-size planets that orbit in the habitable zone of their host star. Such observations are directly relevant to the study of life's potential in the Universe, and the search for life beyond Earth. Kepler discovered more than 2,600 exoplanets!*
 - Amongst the Kepler discoveries is Kepler-186f, the first validated Earth-size planet in the habitable zone of a star other than the Sun. The vast amount of data collected by Kepler will continued to be analyzed and used to help to guide the future direction of astrobiology science.
 - Astrobiologists use this data to:
 - Develop new techniques for studying exoplanets in greater and greater detail.
 - Help inform future missions to characterize exoplanets and exomoons, and possibly identify signs of life by analyzing attributes of these distant worlds, such as atmospheric composition.

Current Missions

MAVEN

- *Data from MAVEN provides insight into the history of Mars' atmosphere, climate, liquid water, and planetary habitability. An important aspect of the MAVEN mission is studying how early Mars lost much of its atmosphere.*

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- *This atmospheric loss may have been partially responsible for Mars' transition from a planet capable of supporting liquid surface water to the dry, desert world we know today.*
 - Astrobiologists are working with data from the MAVEN mission in order to understand how atmospheric loss led to the loss of liquid water on the surface of the planet.
 - This work is important in constraining how and when Mars lost its water and identifying periods in Mars' history when habitable environments were most likely to exist at the planet's surface.

Mars Odyssey

- *Mars Odyssey provides detailed maps of Mars that are used to determine the evolution of the Mars environment and its potential for life.*
 - Astrobiologists were directly involved in the development of the Thermal Emission Imaging System (THEMIS) instrument onboard Mars Odyssey. Visible and infrared observations by THEMIS are used to identify the distribution of minerals on Mars, allowing astrobiologists to study how the mineralogy of the planet relates to the landforms.
 - Astrobiologists also use data from Mars Odyssey to study the geochemical makeup of Mars. This information is useful for:
 - Studying the evolution of Mars' environment
 - Identifying locations that may have been habitable for life in the past
 - Finding astrobiology-relevant landing sites for future Mars missions.

Mars Reconnaissance Orbiter

- *While other Mars missions have shown that water flowed across the surface in Mars' history, it remains a mystery whether water was ever around long enough to provide a habitat for life.*
 - Data from MRO:
 - Is essential to astrobiologists studying the potential for habitable environments on past and present Mars.
 - Provides invaluable data used in selecting landing sites for future Mars missions.
 - Is important in building climate models for Mars, and for use in comparative planetology studies performed by astrobiologists who study the potential habitability of exoplanets that orbit distant stars.

Mars Exploration Rovers (MER) Spirit & Opportunity

- *NASA's twin Mars Exploration Rovers, Spirit and Opportunity, were designed to last for 90 martian days, however both robotic explorers far outlasted their original missions and spent years collecting data at the surface of Mars. Spirit's*

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sent data back for over six years, while Opportunity returned data for an incredible fifteen years.

- MER mission was to search for and characterize a wide range of rocks and soils that hold clues to past water activity on Mars. Studying the history of water on Mars is essential in determining whether or not the planet once supported environments that could have been habitable for life as we know it.
- MER data has been used to identify environments that may have supported conditions suitable for life in Mars' past and will guide the future of Mars exploration for decades to come.

Mars Science Laboratory (Curiosity Rover)

- *MSL's Curiosity rover is studying whether or not Mars ever had environments capable of supporting microbial life. Data from MSL will be used to develop future missions to collect samples of the martian surface in the hopes of identifying signs of past or present life.*
 - The Curiosity rover is advancing the field of astrobiology by investigating Mars' habitability, studying its climate and geology.
 - Curiosity has provided evidence that liquid water once flowed at the surface of Mars in Gale Crater.
 - The rover also discovered a site dubbed 'Yellowknife bay,' which once supported an environment that was habitable for microbial life.

Mars 2020 Mission to Mars: Perseverance Rover

- *Mars 2020 is the next step in NASA's robotic exploration of Mars, a primary target of astrobiology research in the Solar System, and will build on the accomplishments of MSL. Many researchers supported by elements of the Astrobiology Program are involved in the design and development of the Mars 2020 mission and its scientific goals.*
 - The rover Perseverance is providing important data relevant to astrobiology research, along with a vast amount of geological information about the landing site and the planet at large that will help put the astrobiological data into context.
 - One of the mission's primary goal is to explore the geology of Jezero Crater in order to assess past habitability.
 - Jezero Crater is a geologically rich terrain, with many features and minerals formed by water that may date back as far as 3.6 billion years ago.
 - Studying the geology and mineralogy of this site will provide a window into the planet's climate history, and allows astrobiologists

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to determine if sites like these were persistent habitable environments that could have supported life in the past.

- Perseverance will not be looking for organisms living on Mars today. However, the rover is collecting data that could be used to identify biosignatures of ancient microbial life.
 - Previous missions, from Pathfinder to Curiosity, have helped astrobiologists determine that habitable environments were present on Mars in the planet's ancient past.
 - While these environments may have been habitable, we do not know if they were inhabited (i.e. if life was ever present).
- Perseverance will be collecting a suite of samples to be returned to Earth via a Mars Sample Return mission. The return samples from another planet will allow our researchers to interrogate them with all of the sophistication and thoroughness of Earth-based instrumentation, and will provide an immense opportunity to dramatically advance our scientific understanding of Mars.
- Many of the goals for the Mars 2020 mission are directly relevant to Astrobiology. These include:
 - Determine whether life ever arose on Mars
 - Seeking signs of past life (biosignatures) in the geological record
 - Characterize the climate of Mars
 - Characterize the geology of Mars

TESS Mission

- NASA's Transiting Exoplanet Survey Satellite is an all-sky survey mission that will discover thousands of exoplanets around nearby bright stars.
- • TESS launched April 18, 2018 aboard a SpaceX Falcon 9 rocket.
- • To date, TESS has discovered more than 120 confirmed exoplanets and more than 2,600 planet candidates
- • TESS has identified, and will continue to find, exoplanets targets that Webb will study in further detail

Upcoming Missions

Dragonfly Mission to Titan

- *This revolutionary mission concept includes the capability to explore diverse locations to characterize the habitability of Titan's environment, to investigate how far prebiotic chemistry has progressed, and even to search for chemical signatures that could indicate water-based and/or hydrocarbon-based life.*
- *The NASA Astrobiology Program supports scientists involved at all stages of the mission. Projects supported by the program have helped to define Titan as prime target for astrobiology research in the Solar System.*

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- Analog research on Earth and comparative planetology studies in order to better understand the environment of Titan and to identify sites of astrobiological interest.
- Development of instrumentation that can be used to perform scientific investigations at Titan.
- Research in areas of prebiotic chemistry that inform our knowledge of organic chemistry on the moon.

Europa Clipper Mission to Europa

- *The Europa Clipper mission will place a spacecraft in orbit around Jupiter in order to perform a detailed investigation of the giant planet's moon Europa.*
 - Europa shows strong evidence for an ocean of liquid water beneath its icy crust and some astrobiologists believe that it could host conditions favorable for life.
 - Astrobiologists are involved in the definition of science goals for Europa Clipper and the design of scientific instruments for the mission.

James Webb Space Telescope (Webb)

- *Webb will be the premier space-based observatory of the next decade. Webb is a large infrared telescope with a 6.5-meter primary mirror. Data from Webb will be used to study the formation and evolution of habitable worlds, and will be invaluable in understanding processes that have shaped habitability in our own Solar System.*
- *Webb will be capable of making detailed observations that might allow astrobiologists to identify signatures of life on Earth-like planets beyond our Solar System.*
 - Webb observations will be used to study:
 - Every phase in the history of the Universe, including the evolution of the Solar System
 - The formation of distant solar systems capable of supporting life on Earth-like exoplanets.
 - Observe the formation of stars from the first stages to the formation of planetary systems
 - Measure the physical and chemical properties of planetary systems and investigate the potential for life in those systems

PAOs:

- HQ: Alana Johnson, alana.r.johnson@nasa.gov / 202-358-1501
- HQ: Karen Fox, karen.fox@nasa.gov, (b) (6)
- HQ: Liz Landau, elizabeth.r.landau@nasa.gov

Concurrences:

- HQ: Mary Voytek, Senior Scientist for NASA Astrobiology
- HQ: Lori Glaze, Planetary Science Division director

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- HQ: Michael New, Deputy AA for Research, Science Mission Directorate
- HQ: Eric Smith, JWST Program Scientist

From: [Jones, Nancy N. \(GSFC-1300\)](#)
To: [Gran, Rani C. \(GSFC-1300\)](#); [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
Subject: Re: My responseL Media Request - German Broadcasting
Date: Friday, June 11, 2021 3:55:21 PM

Hey All,
Per HQ guidance, Rani is correct to (b) (5)

On: 11 June 2021 16:31, "Gran, Rani C. (GSFC-1300)" <rani.c.gran@nasa.gov> wrote:

Hi Lonnie,

I like the rewording and will go with it. If Ravi gets to do one of these interviews, we are planning for him to (b) (5)

(b) (5) That is how I interpreted (b) (5)

Personally, I want to (b) (5)

(b) (5)

Rani

--

Rani C. Gran
Office of Communications
Mail Code 420, B36, S470
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Phone: 301-286-2483

"If we amplify everything, we hear nothing," Jon Stewart.

From: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]"
<lonnie.shekhtman@nasa.gov>
Date: Friday, June 11, 2021 at 2:30 PM
To: Rani Gran <rani.c.gran@nasa.gov>
Cc: "Jones, Nancy N. (GSFC-1300)" <nancy.n.jones@nasa.gov>
Subject: Re: My responseL Media Request - German Broadcasting

Hey Rani,

Thanks for sending. I have a few wording suggestions – totally up to you if you want to

implement them or not. I don't feel (b) (5)

(b) (5)

(b) (5) But I do think you're right (b) (5)

(b) (5)

Lonnie

--

Lonnie Shekhtman
Senior Science Writer
Solar System Exploration
NASA's Goddard Space Flight Center
301-614-6833

From: "Gran, Rani C. (GSFC-1300)" <rani.c.gran@nasa.gov>

Date: Friday, June 11, 2021 at 2:20 PM

Cc: "Jones, Nancy N. (GSFC-1300)" <nancy.n.jones@nasa.gov>, "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>

Subject: My responseL Media Request - German Broadcasting

I took the reporter and Ravi off the email. Below is how I plan to respond to these requests. Is this okay?

Hello David,

Because NASA has no involvement in the UFO/UAP report, we don't know what it's going to look like and cannot comment on how people should analyze it.

However, Ravi can talk more generally about the type of information that would be useful to scientists and the science case for studying UAPs.

Rani

--

Rani C. Gran
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Mail Code 420, B36, S470
NASA Goddard Space Flight Center
Greenbelt, MD. 20771
Work Cell : (b) (6)
Phone: 301-286-2483

"If we amplify everything, we hear nothing," Jon Stewart.

From: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>

Date: Friday, June 11, 2021 at 2:06 PM

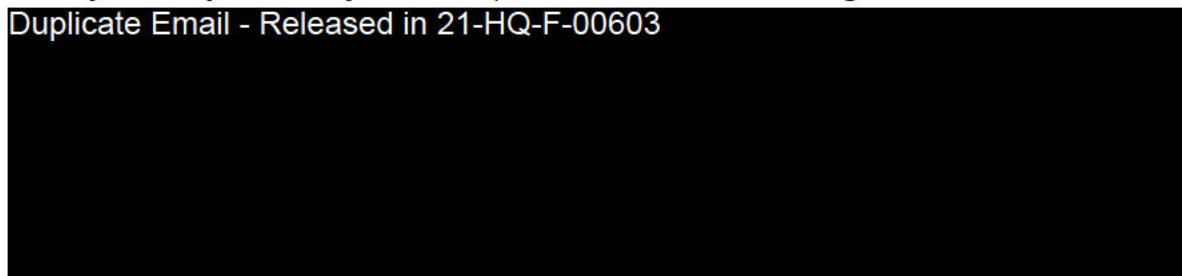
To: David Sloan (b) (6)

Cc: Rani Gran <rani.c.gran@nasa.gov>, "Jones, Nancy N. (GSFC-1300)"

<nancy.n.jones@nasa.gov>, "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>

Subject: Re: [EXTERNAL] Media Request - German Broadcasting

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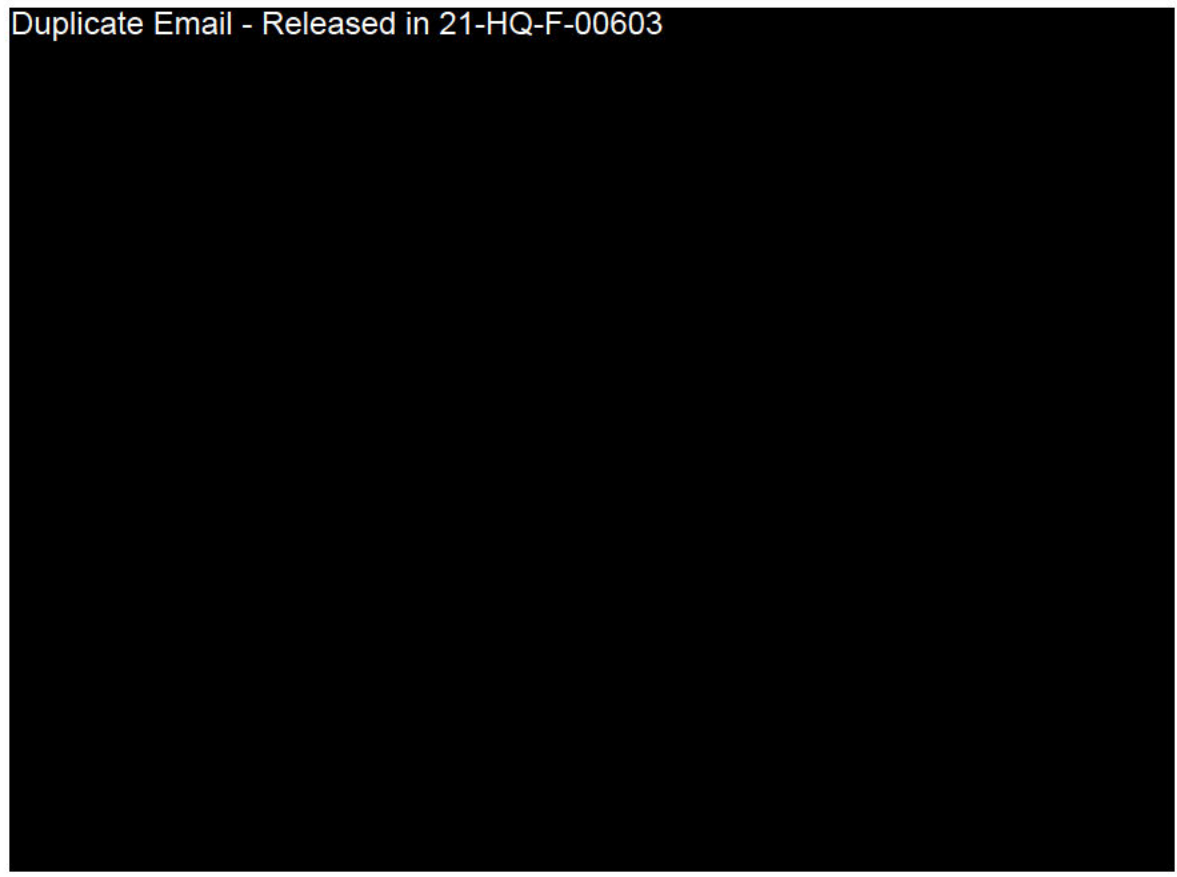
From: David Sloan (b) (6)

Date: Friday, June 11, 2021 at 12:22 PM

To: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>

Subject: [EXTERNAL] Media Request - German Broadcasting

Duplicate Email - Released in 21-HQ-F-00603



From: [VICKERS, PETER J.](#)
To: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
Subject: Re: [EXTERNAL] My next trip across, etc.
Date: Thursday, June 17, 2021 9:06:34 AM

Didn't mean to send that email yet! Sorry about the abrupt end!

Best,
Peter

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From: VICKERS, PETER J. <(b) (6)>
Sent: Thursday, June 17, 2021 3:04:39 PM
To: Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC] <lonnie.shekhtman@nasa.gov>
Subject: Re: [EXTERNAL] My next trip across, etc.

Oh, I had no idea about that! I'll give it a read.

My colleague's paper was released just this week.

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From: Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC] <lonnie.shekhtman@nasa.gov>
Sent: Thursday, June 17, 2021 2:51:53 PM
To: VICKERS, PETER J. <(b) (6)>
Subject: Re: [EXTERNAL] My next trip across, etc.

[EXTERNAL EMAIL]

Peter, is the timing of your email a coincidence, or are you sending your colleague's paper because of this: <https://www.washingtonpost.com/opinions/2021/05/26/we-need-put-science-center-ufo-question/>

Lonnie

--

Lonnie Shekhtman
Senior Science Writer
Solar System Exploration
NASA's Goddard Space Flight Center
301-614-6833

From: "VICKERS, PETER J." <(b) (6)>

Date: Thursday, June 17, 2021 at 9:03 AM

To: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>

Cc: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>, "Saxena, Prabal (GSFC-693.0)[UNIV OF MARYLAND COLLEGE PARK]" <prabal.saxena@nasa.gov>

Subject: Re: [EXTERNAL] My next trip across, etc.

Dear Ravi, (CC Prabal and Lonnie)

Many thanks for your reply. Here's the published *Nature Astronomy* discussion note...

[The 'Oumuamua controversy | Nature Astronomy](#)

...and attached is a much longer article on this topic that isn't published yet (currently under review).

Let me know if you think the folk at Goddard would be interested in a talk on this topic. In the longer piece there's a section entitled 'Generalising', so this isn't just about Oumuamua. It's about reasoning in the face of anomalous phenomena more generally. It's also supposed to be an exemplar of how philosophers might be able to contribute to some of these debates.

All best,
Peter

[EXTERNAL EMAIL]

Hi Peter,

Good to hear from you! We are still in pandemic mode, with only mission essential visitors allowed on the center (i.e, NASA Goddard). I am not sure about HQ, though. They have been on and off site at the HQ.

I certainly would be interested to hear from your colleague. Could you send us the Nature Astronomy article once it is available?

Great news about the new center. I hope it can play a central part in the topics that we were discussing.

Best
Ravo

From: "VICKERS, PETER J." <(b) (6)>

Date: Thursday, June 10, 2021 at 1:26 PM

To: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>, "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>, "Saxena, Prabal

(GSFC-693.0)[UNIV OF MARYLAND COLLEGE PARK]" <prabal.saxena@nasa.gov>

Subject: [EXTERNAL] My next trip across, etc.

Dear Lonnie, Ravi, and Prabal,

I hope you are all keeping very well, despite the obvious challenges.

I'm still supposed to be coming over at some point to give a talk at HQ. Is there a sense yet that face-to-face seminars are going to start up again? Perhaps later in the year? (Most of us in the UK (b) (6).)

My colleague, Chris Cowie, has just had something of possible interest accepted in *Nature Astronomy*. I was wondering if there'd be any interest at Goddard for hearing from another philosopher?

Here at Durham we are attempting to build a center for 'Foundations of space science' or something similar - a work in progress!

All best wishes,
Peter

www.petervickersphilosophy.com

[@petejvickers](#)

Author of *Understanding Inconsistent Science* ([Book review](#))

Associate Editor of [Studies in History and Philosophy of Science](#)

Associate Professor and Reader

Department of Philosophy

University of Durham, UK

From: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
To: [Gran, Rani C. \(GSFC-1300\)](#)
Date: Monday, June 21, 2021 3:09:22 PM

ravi wants to copy me on UFO media queries while you're out

From: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
To: [Gran, Rani C. \(GSFC-1300\)](#)
Date: Monday, June 21, 2021 3:11:53 PM

i feel like we're gonna be slammed with ufo stuff next week

From: [Gran, Rani C. \(GSFC-1300\)](#)
To: [Johnson, Alana R. \(HQ-DG000\)\[ASRC FEDERAL SYSTEM SOLUTIONS\]](#); [Handal, Joshua A. \(HQ-DG000\)\[ASRC FEDERAL SYSTEM SOLUTIONS\]](#)
Cc: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#); [Hautaluoma, Grey \(HQ-NA020\)](#); [Gutro, Rob \(GSFC-1300\)](#)
Subject: Re: [EXTERNAL] upcoming "UFO" report
Date: Monday, June 21, 2021 3:41:20 PM

Hello,

Who: Germany's largest TV network ARD, public channel similar to PBS here in the US.

What: "UFO" report to be released later this week, I read an article in the Scientific American which quoted you among other scientists.

Who: : Christine Schiffner (b) (6) producer want to interview Ravi UFO/UAP as it relates to the article he wrote for Scientific America on UFO/UAP/

Rani

--

Rani C. Gran
Office of Communications
Mail Code 420, B36, S470
NASA Goddard Space Flight Center
Greenbelt, MD. 20771
Work Cell : (b) (6)
Phone: 301-286-2483

"If we amplify everything, we hear nothing," Jon Stewart.

From: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>
Date: Monday, June 21, 2021 at 4:00 PM
To: Christine Schiffner <(b) (6)>
Cc: Rani Gran <rani.c.gran@nasa.gov>, "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>
Subject: Re: [EXTERNAL] upcoming "UFO" report

Duplicate Email - Released in 21-HQ-F-00603



From: Christine Schiffner <(b) (6)>
Date: Monday, June 21, 2021 at 2:43 PM
To: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>
Subject: [EXTERNAL] upcoming "UFO" report

Deletion Page

Requester: John Greenewald

Request #: 23-00084-F-GSFC

1 page(s) containing duplicate information
is/are held in the file.

From: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
To: [Jones, Nancy N. \(GSFC-1300\)](#)
Date: Tuesday, June 22, 2021 8:19:53 AM

should i invite grey to our UFO talk?

From: [Gran, Rani C. \(GSFC-1300\)](#)
To: [Johnson, Alana R. \(HQ-DG000\)\[ASRC FEDERAL SYSTEM SOLUTIONS\]](#); [Jones, Nancy N. \(GSFC-1300\)](#); [Hautaluoma, Grey \(HQ-NA020\)](#); [Handal, Joshua A. \(HQ-DG000\)\[ASRC FEDERAL SYSTEM SOLUTIONS\]](#)
Cc: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#); [Gutro, Rob \(GSFC-1300\)](#)
Subject: Re: New Media requests on UFOs
Date: Tuesday, June 22, 2021 12:57:26 PM

One more zinger, one of the reporters asked (b) (6)

(b) (6)

Rani

--

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"If we amplify everything, we hear nothing," Jon Stewart.

From: Rani Gran <rani.c.gran@nasa.gov>
Date: Tuesday, June 22, 2021 at 1:08 PM
To: "Johnson, Alana R. (HQ-DG000)[ASRC FEDERAL SYSTEM SOLUTIONS]" <alana.r.johnson@nasa.gov>, "Jones, Nancy N. (GSFC-1300)" <nancy.n.jones@nasa.gov>, "Hautaluoma, Grey (HQ-NA020)" <grey.hautaluoma-1@nasa.gov>, "Handal, Joshua A. (HQ-DG000)[ASRC FEDERAL SYSTEM SOLUTIONS]" <joshua.a.handal@nasa.gov>
Cc: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>, "Gutro, Rob (GSFC-1300)" <robert.j.gutro@nasa.gov>
Subject: Re: New Media requests on UFOs

Hello,

Hello, I just got back home from the interview with the German Broadcasting company.

One note, they want to post the 45-minute raw video of the interview online. It was a good discussion. The producers said, they would send us a transcript of the interview and let us X out anything that does not sound quite right. I don't think there will be much to cut. They asked him if he could be available to answer questions about the interview on social media. I want to coordinate this with Solar System Social media.

I think Ravi is mastering the zingers.... Many of the reporters ask the same question about the report in different ways. Or will go quiet to see if Ravi will talk directly about the report. He doesn't. He

mentions that military has studies this phenomena in the past.

Some common questions:

[Everyone asks about the UFO/ pilot videos?](#) Ravi answer is we need more data. I can't identify anything through grainy video

[Does the Taboo nature around UFOs prevent scientists from looking into this phenomena?](#)

Answer: Let's use these unidentified objects, to show the public how the scientific method works....always emphasizing gather data and bring together scientists of different expertise to help us figure out how to study the phenomena.

[Do you think there is life out there?](#) Ravi says yes, then cites Kepler, and then talks about his research and what the James Web telescope will do to help with exoplanet studies.

Ravi

--

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Phone: 301-286-2483

"If we amplify everything, we hear nothing," Jon Stewart.

From: "Johnson, Alana R. (HQ-DG000)[ASRC FEDERAL SYSTEM SOLUTIONS]"
<alana.r.johnson@nasa.gov>

Date: Tuesday, June 22, 2021 at 9:19 AM

To: Rani Gran <rani.c.gran@nasa.gov>, "Jones, Nancy N. (GSFC-1300)"
<nancy.n.jones@nasa.gov>, "Hautaluoma, Grey (HQ-NA020)" <grey.hautaluoma-1@nasa.gov>, "Handal, Joshua A. (HQ-DG000)[ASRC FEDERAL SYSTEM SOLUTIONS]"
<joshua.a.handal@nasa.gov>

Cc: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>,
"Gutro, Rob (GSFC-1300)" <robert.j.gutro@nasa.gov>

Subject: Re: New Media requests on UFOs

Hi, Rani!

Thank you for the updates and great completion logs.

Has Ravi received any "zingers" we need to be aware of?

Thanks!

Alana

--

Alana R. Johnson

Public Affairs Officer

NASA Headquarters

Planetary Science Division

O: [202.358.1501](tel:202.358.1501) | C: [202.672.4780](tel:202.672.4780)

<https://solarsystem.nasa.gov>

On: 22 June 2021 09:02, "Gran, Rani C. (GSFC-1300)" <rani.c.gran@nasa.gov> wrote:

Please check out two new media requests UFO/UAP. Christine Schiffner wants to interview Ravi tomorrow.

New Requests:

Evan Dawson is the host of Connections, an NPR talk show in Rochester, NY.

He wants to talk to Ravi and a couple of other scientists about UFOs and NASA's search for life. I'm trying to collect more specifics about this show. Here is a link to the podcasts

<https://www.npr.org/podcasts/389236520/connections-with-evan-dawson>

6/21 Christine Schiffner (b) (6) A DC-based producer for Germany's TV network ARD. ARD is a public channel similar to PBS here in the US. She wants to talk to Ravi about his Scientific American Article and UFOs and UAVs either Wednesday or Thursday.

Scheduled today

6/22 10 am, David Sloan, Antwort, German Broadcasting company. He is writing a story to understand what it means for the scientific study of UAP/UFO and explaining how the general public should view this subject now, with the taboo is starting to shrink. Also, what does it mean for the study of the habitability of other planets and potential life in other solar systems/planets/etc. When the report is made public and whatever parts are not redacted, what will be NASA's interest be in studying this subject.

This is the broad scope of what we are looking for in the story. We welcome any other input that will help move the story along.

He is sending a camera crew to the visitor center. I've already coordinated this with VC team.

Completed Interviews

6/21 12:00 p.m. EST Zoom interview with the Space Channel's Christopher Tolve <(b) (6)> (Completed)

6/21 at 2:00 PM. We will tape an interview with Ravi in Goddard's TV studio about NASA's efforts to search for life in our solar system for the Science Channel. The interview will air during a live national television event about Unidentified Aerial Phenomena (UAP) for DISCOVERY NETWORKS and THE SCIENCE CHANNEL, airing on June 30th, 2021 (Completed)

6/1 Live Radio Interview - Washington, D.C. / WMAL
We said we should be able to talk more after the report comes out.

--

Rani C. Gran
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Phone: 301-286-2483

"If we amplify everything, we hear nothing," Jon Stewart.

From: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
To: [Gran, Rani C. \(GSFC-1300\)](#)
Subject: Re: UAP/UFO talking points
Date: Tuesday, June 22, 2021 1:14:50 PM

Thanks!

--

Lonnie Shekhtman
Senior Science Writer
Solar System Exploration
NASA's Goddard Space Flight Center
301-614-6833

From: "Gran, Rani C. (GSFC-1300)" <rani.c.gran@nasa.gov>
Date: Tuesday, June 22, 2021 at 2:09 PM
To: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>
Subject: FW: UAP/UFO talking points

--

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"If we amplify everything, we hear nothing," Jon Stewart.

From: "Fox, Karen C. (HQ-1300)" <karen.c.fox@nasa.gov>
Date: Tuesday, June 22, 2021 at 10:43 AM
To: "Hautaluoma, Grey (HQ-NA020)" <grey.hautaluoma-1@nasa.gov>, "Johnson, Alana R. (HQ-DG000)[ASRC FEDERAL SYSTEM SOLUTIONS]" <alana.r.johnson@nasa.gov>, Rani Gran <rani.c.gran@nasa.gov>, "Jones, Nancy N. (GSFC-1300)" <nancy.n.jones@nasa.gov>
Subject: Re: UAP/UFO talking points

Here's the current talking points – working on a new version now that will include info about the upcoming report. But for now these are good!

--

Karen C. Fox
Senior Science Communications Officer
Office of Communications

From: "Hautaluoma, Grey (HQ-NA020)" <grey.hautaluoma-1@nasa.gov>
Date: Tuesday, June 22, 2021 at 10:30 AM
To: "Johnson, Alana R. (HQ-DG000)[ASRC FEDERAL SYSTEM SOLUTIONS]" <alana.r.johnson@nasa.gov>, "Fox, Karen C. (HQ-1300)" <karen.c.fox@nasa.gov>, "Gran, Rani C. (GSFC-1300)" <rani.c.gran@nasa.gov>, "Jones, Nancy N. (GSFC-1300)" <nancy.n.jones@nasa.gov>
Subject: RE: UAP/UFO talking points

I didn't see Tabatha's final edit. Did we get that?

From: Johnson, Alana R. (HQ-DG000)[ASRC FEDERAL SYSTEM SOLUTIONS] <alana.r.johnson@nasa.gov>
Sent: Monday, June 7, 2021 11:48 AM
To: Hautaluoma, Grey (HQ-NA020) <grey.hautaluoma-1@nasa.gov>; Fox, Karen C. (GSFC-1300) <karen.c.fox@nasa.gov>; Gran, Rani C. (GSFC-1300) <rani.c.gran@nasa.gov>; Jones, Nancy N. (GSFC-1300) <nancy.n.jones@nasa.gov>
Subject: Re: UAP/UFO talking points

Grey –

Indeed, there is great interest in this topic and the agency's new "lean in" posture. Attached are the finalized newsroom version (though, Tabatha has a minor edit coming).

Karen is Marc's designated POC for developing a mini-comms plan for UFOs. She's working on that, as well as bringing in others within the agency who are key players – JD Harrington, Tylar Green, etc.

Have you received any further queries stemming from Ravi's OpEd?

Thanks
Alana

Are you a journalist covering the Ingenuity Mars Helicopter or the Perseverance Mars rover, please fill out our media request form at <https://bit.ly/mars-landing-media>.

Alana R. Johnson
Senior Communications Specialist, PAAC V Contract
Planetary Science Division
alana.r.johnson@nasa.gov

From: "Hautaluoma, Grey (HQ-NA020)" <grey.hautaluoma-1@nasa.gov>

Date: Monday, June 7, 2021 at 11:34 AM

To: "Fox, Karen C. (GSFC-1300)" <karen.c.fox@nasa.gov>, "Gran, Rani C. (GSFC-1300)" <rani.c.gran@nasa.gov>, "Johnson, Alana R. (HQ-DG000)[ASRC FEDERAL SYSTEM SOLUTIONS]" <alana.r.johnson@nasa.gov>, "Jones, Nancy N. (GSFC-1300)" <nancy.n.jones@nasa.gov>

Subject: UAP/UFO talking points

Are these final then? Rob wants to send to Goddard SMEs who might get a question in this dept., although by and large I'd hope we could refer people to Ravi.

Do you have any insights on HQ policy about UAP interviews going forward? The administrator's interview, of course, has gotten some notice!

TP: 21-016

June 4, 2021

SUBJECT: Search for Life, Technosignatures & Unidentified Aerial Phenomenon(UAP)/ Unidentified Flying Objects (UFOs)

BACKGROUND

Public and media interest in the topic of UAP/UFOs has seen an uptick in recent weeks following reports related to the Department of Defense's release of three unclassified U.S. Navy videos. Likewise, the 2021 Intelligence Authorization Act, signed in December 2020, stipulated that the government had 180 days to gather and analyze data from disparate agencies. The report is expected to be released in early June.

DOD released a [statement](#) confirming its authorized release of three unclassified Navy videos, one taken in November 2004 and the other two in January 2015, which have been circulating in the public domain after unauthorized releases in 2007 and 2017.

On May 26, [The Washington Post](#) published an opinion piece written by Ravi Kopparapu, a planetary scientist at NASA's Goddard Space Flight Center.

We Need To Put Science At The Center Of The UFO Question

"...With a government report due in June on unidentified aerial phenomena (UAP) and a recent '60 Minutes' story on U.S. Navy pilots' sightings and videos of mysterious images, prominent people in politics, the military and national intelligence are finally asking: What are we looking at?"

STATEMENT

One of NASA's key goals is the search for life in the universe. To date, NASA has yet to find any credible evidence of extraterrestrial life; however, NASA is exploring the solar system and beyond to help us answer fundamental questions, including whether we are alone in the universe. We stand ready to support the rest of the government in the search for life in the universe, be it close to home, on the planets or moons of our Solar System or deeper into space.

KEY POINTS

- One of NASA's key goals is the search for life in the universe. Although we have yet to find signs of extraterrestrial life, NASA is exploring the solar system and beyond to help us answer fundamental questions, including whether we are alone in the universe.
- From studying water on Mars, probing promising "oceans worlds," such as Titan and Europa, to looking for biosignatures in the atmospheres of planets outside our solar system, NASA's science missions are working together with a goal to find unmistakable signs of life beyond Earth.
- To date, NASA has yet to find any credible evidence of extraterrestrial life, but we are not closed to the possibility that such life exists and might have visited Earth. We stand ready to support the rest of the government in the search for life in the universe, be it close to home, on the planets or moons of our Solar System or deeper into space.

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- The nature of science is to better understand the unknown. When we learn of unidentified aerial phenomena, (UAP, or more commonly known as unidentified flying objects or UFOs), it opens up the door to new science questions to explore.
- Most UAP sightings result in very limited data, usually video recordings from a single angle that can only be cross-validated with eyewitness testimony. The language of scientists is data. Without access to an extensive set of data, it is nearly impossible to verify or explain any observation. The lack of robust data, including the lack of access to some existing data, is the central problem for scientific study of UAPs.
- In a sense, the discovery of technology from beyond Earth or the signatures of technology on other worlds would constitute the ultimate biosignature.

QUESTIONS AND ANSWERS

Is there a distinct possibility and probability of life beyond Earth?

There is a possibility and indeed a probability of life beyond Earth, including intelligent life. So far, we see no evidence of it, but that doesn't keep people from looking. Science is not a matter of belief, but of evidence. Science is driven by the desire to better understand the unknown. When we learn of unidentified aerial phenomena, (UAP, more commonly known as unidentified flying objects or UFOs), it opens up the door to new science questions to explore.

Do you believe that aliens exist?

Between research at the SETI (previously referred to as the Search for Extraterrestrial Intelligence) Institute, analysis of Martian meteorites, recent findings of methane within the Mars atmosphere and other similar studies, there is no known evidence for life elsewhere, intelligent or otherwise. However, one of NASA's key goals is the search for life in the universe. We stand ready to support the rest of the government in the search for life in the universe, be it close to home, on the planets or moons of our Solar System or deeper into space.

The 2021 Intelligence Authorization Act, signed in December 2020, stipulated that the government had 180 days to gather and analyze data about UAPs from disparate agencies. The report is expected to be released in early June. Has NASA been asked to contribute to this report?

NASA anticipates seeing this report through the normal interagency coordination process.

What are technosignatures?

Technosignatures represent any sign of technology that we can use to infer the existence of intelligent life elsewhere in the universe, including familiar objects or searches for extraterrestrial intelligence such as narrow-band radio signals or pulsed lasers. The term SETI (Search for Extraterrestrial Intelligence) often is used synonymously with the search for technosignatures. Technosignatures are comparable to biosignatures in that they are a detectable sign of extant or extinct life.

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NASA funding for radio SETI searches was stopped by Congress in 1992. Excluding the recent NASA grant to Adam Frank et al., were there any other NASA-funded efforts on SETI/technosignatures in the intervening years?

Yes, there were instrument development awards made to develop equipment for larger and faster searches for radio technosignatures. We also funded a Topical Workshops, Symposia, and Conference (TWSC) to develop a research agenda to prioritize and guide future theoretical and observational studies of non-radio technosignatures, and to draft a publishable report that can serve as the basis for building a library of technosignatures.

Was there explicit language in funding calls, especially in astrobiology and astrophysics, that excluded SETI/technosignatures proposals, prior to 2018?

Technosignatures research — then termed SETI research — was excluded from the Exobiology solicitation as a programmatic decision of NASA's Astrobiology Program. At the time, the majority of technosignature searches were radio searches and, with the creation of SETI's Paul Allen (Radio-) Telescope Array and Breakthrough Listen. As a steward of taxpayer funds, the Astrobiology Program determined that sufficient private funding was available for radio searches for extraterrestrial signals and Astrobiology Program funding was reallocated to other research, such as understanding how advanced life would modify physical and chemical characteristics of a planet and what a "technosignature" might look like.

What prompted the very-rapidly-organized NASA Technosignatures Workshop in Houston in 2018?

It was thought that our understanding of biosignatures and exoplanets had grown enough so that a discussion of technosignatures could be held on a firmer scientific foundation than before.

Was the language in funding calls changed after the workshop to allow or even encourage proposals related to SETI and technosignatures?

Yes. The Exobiology Program removed the language prohibiting technosignatures research but continued to prohibit proposals for ground-based, radio-telescope searches for technosignatures. The latter restriction stems from NASA's policy of supporting astrophysical research using space-based assets.

Are radio SETI searches still excluded from funding calls?

If NASA data is used in addition to ground-based radio-telescope data, such proposals may be submitted to the Astrophysics Data Analysis Program.

ADDITIONAL INFORMATION

Exoplanet background

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- An exoplanet is a planet outside our solar system. Exoplanets are too far away to visit but can be studied with space telescopes.
- So far, we've confirmed more than 4,300 exoplanets in our galaxy, which probably holds trillions. Thousands more are likely to be confirmed in the years ahead.
- About a fifth of the planets confirmed so far are in Earth's size range, some in the "habitable zone," the distance from the star that could allow liquid water on the planet's surface.
- We also know that the building blocks of life are present throughout the solar system and the cosmos, including water.
- Despite these encouraging signs, we have yet to find evidence of life anywhere but planet Earth, in our solar system or beyond. We also haven't yet found a planet like Earth orbiting a star like the Sun, with a "year" comparable to our own.
- We're now on the cusp of a potential revolution in the study of exoplanets: detecting their atmospheres and searching for chemical signatures that could indicate the presence of life.
- In the near-term, the James Webb Space Telescope, and the next generation of ground-based telescopes, extremely will be able to spread the light from a small sample of Earth-sized exoplanets into a spectrum, potentially revealing the presence of atmospheric gases.
- We'll probably begin with large, gaseous worlds unlikely to be habitable, but that will pave the way for future instruments that could look in on a small, rocky world – perhaps even one similar to our own.
- We might see signs of oxygen, methane and carbon dioxide in such a planet's atmosphere – in other words, an atmosphere that reminds us of home.

Past Missions

Viking Project: 1 & 2

- *NASA's Viking Project was the first mission to reach the martian surface and the first to search for evidence of life on Mars. Viking was NASA's first attempt to search for life on another planet, and was thereby the **first** mission dedicated to astrobiology. The project found a place in history when it became the first U.S. mission to land a spacecraft safely on the surface of Mars and return images of the surface.*
 - Two identical spacecraft, each consisting of a lander and an orbiter, were built. Each orbiter-lander pair flew together and entered Mars orbit; the landers then separated and descended to the planet's surface.
 - The landers conducted three biology experiments designed to look for possible signs of life.
 - These experiments:
 - Discovered unexpected and enigmatic chemical activity in the Martian soil, but provided no clear evidence for the

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presence of living microorganisms in soil near the landing sites.

- Taught scientists a great deal about how little we knew about life on Earth and how to detect it.
 - Continue to shape the development of life detection strategies and equipment at NASA and other international agencies.
- NASA's Viking Project took place before NASA's Astrobiology Program was founded, but many scientists from its precursor, NASA's Exobiology Program, participated in the mission.

Kepler and K2 Mission

- *Kepler was a space observatory designed to survey a specific portion of our region of the Milky Way galaxy. An important part of Kepler's work was the identification of Earth-size planets that orbit in the habitable zone of their host star. Such observations are directly relevant to the study of life's potential in the Universe, and the search for life beyond Earth. Kepler discovered more than 2,600 exoplanets!*
- Amongst the Kepler discoveries is Kepler-186f, the first validated Earth-size planet in the habitable zone of a star other than the Sun. The vast amount of data collected by Kepler will continued to be analyzed and used to help to guide the future direction of astrobiology science.
- Astrobiologists use this data to:
 - Develop new techniques for studying exoplanets in greater and greater detail.
 - Help inform future missions to characterize exoplanets and exomoons, and possibly identify signs of life by analyzing attributes of these distant worlds, such as atmospheric composition.

Current Missions

MAVEN

- *Data from MAVEN provides insight into the history of Mars' atmosphere, climate, liquid water, and planetary habitability. An important aspect of the MAVEN mission is studying how early Mars lost much of its atmosphere.*
- *This atmospheric loss may have been partially responsible for Mars' transition from a planet capable of supporting liquid surface water to the dry, desert world we know today.*

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- Astrobiologists are working with data from the MAVEN mission in order to understand how atmospheric loss led to the loss of liquid water on the surface of the planet.
- This work is important in constraining how and when Mars lost its water and identifying periods in Mars' history when habitable environments were most likely to exist at the planet's surface.

Mars Odyssey

- *Mars Odyssey provides detailed maps of Mars that are used to determine the evolution of the Mars environment and its potential for life.*
 - Astrobiologists were directly involved in the development of the Thermal Emission Imaging System (THEMIS) instrument onboard Mars Odyssey. Visible and infrared observations by THEMIS are used to identify the distribution of minerals on Mars, allowing astrobiologists to study how the mineralogy of the planet relates to the landforms.
 - Astrobiologists also use data from Mars Odyssey to study the geochemical makeup of Mars. This information is useful for:
 - Studying the evolution of Mars' environment
 - Identifying locations that may have been habitable for life in the past
 - Finding astrobiology-relevant landing sites for future Mars missions.

Mars Reconnaissance Orbiter

- *While other Mars missions have shown that water flowed across the surface in Mars' history, it remains a mystery whether water was ever around long enough to provide a habitat for life.*
 - Data from MRO:
 - Is essential to astrobiologists studying the potential for habitable environments on past and present Mars.
 - Provides invaluable data used in selecting landing sites for future Mars missions.
 - Is important in building climate models for Mars, and for use in comparative planetology studies performed by astrobiologists who study the potential habitability of exoplanets that orbit distant stars.

Mars Exploration Rovers (MER) Spirit & Opportunity

- *NASA's twin Mars Exploration Rovers, Spirit and Opportunity, were designed to last for 90 martian days, however both robotic explorers far outlasted their original missions and spent years collecting data at the surface of Mars. Spirit's sent data back for over six years, while Opportunity returned data for an incredible fifteen years.*

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- MER mission was to search for and characterize a wide range of rocks and soils that hold clues to past water activity on Mars. Studying the history of water on Mars is essential in determining whether or not the planet once supported environments that could have been habitable for life as we know it.
- MER data has been used to identify environments that may have supported conditions suitable for life in Mars' past and will guide the future of Mars exploration for decades to come.

Mars Science Laboratory (Curiosity Rover)

- *MSL's Curiosity rover is studying whether or not Mars ever had environments capable of supporting microbial life. Data from MSL will be used to develop future missions to collect samples of the martian surface in the hopes of identifying signs of past or present life.*
 - The Curiosity rover is advancing the field of astrobiology by investigating Mars' habitability, studying its climate and geology.
 - Curiosity has provided evidence that liquid water once flowed at the surface of Mars in Gale Crater.
 - The rover also discovered a site dubbed 'Yellowknife bay,' which once supported an environment that was habitable for microbial life.

Mars 2020 Mission to Mars: Perseverance Rover

- *Mars 2020 is the next step in NASA's robotic exploration of Mars, a primary target of astrobiology research in the Solar System, and will build on the accomplishments of MSL. Many researchers supported by elements of the Astrobiology Program are involved in the design and development of the Mars 2020 mission and its scientific goals.*
 - The rover Perseverance is providing important data relevant to astrobiology research, along with a vast amount of geological information about the landing site and the planet at large that will help put the astrobiological data into context.
 - One of the mission's primary goal is to explore the geology of Jezero Crater in order to assess past habitability.
 - Jezero Crater is a geologically rich terrain, with many features and minerals formed by water that may date back as far as 3.6 billion years ago.
 - Studying the geology and mineralogy of this site will provide a window into the planet's climate history, and allows astrobiologists to determine if sites like these were persistent habitable environments that could have supported life in the past.

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- Perseverance will not be looking for organisms living on Mars today. However, the rover is collecting data that could be used to identify biosignatures of ancient microbial life.
 - Previous missions, from Pathfinder to Curiosity, have helped astrobiologists determine that habitable environments were present on Mars in the planet's ancient past.
 - While these environments may have been habitable, we do not know if they were inhabited (i.e. if life was ever present).
- Perseverance will be collecting a suite of samples to be returned to Earth via a Mars Sample Return mission. The return samples from another planet will allow our researchers to interrogate them with all of the sophistication and thoroughness of Earth-based instrumentation, and will provide an immense opportunity to dramatically advance our scientific understanding of Mars.
- Many of the goals for the Mars 2020 mission are directly relevant to Astrobiology. These include:
 - Determine whether life ever arose on Mars
 - Seeking signs of past life (biosignatures) in the geological record
 - Characterize the climate of Mars
 - Characterize the geology of Mars

TESS Mission

- NASA's Transiting Exoplanet Survey Satellite is an all-sky survey mission that will discover thousands of exoplanets around nearby bright stars.
- TESS launched April 18, 2018 aboard a SpaceX Falcon 9 rocket.
- To date, TESS has discovered more than 120 confirmed exoplanets and more than 2,600 planet candidates
- TESS has identified, and will continue to find, exoplanets targets that Webb will study in further detail

Upcoming Missions

Dragonfly Mission to Titan

- *This revolutionary mission concept includes the capability to explore diverse locations to characterize the habitability of Titan's environment, to investigate how far prebiotic chemistry has progressed, and even to search for chemical signatures that could indicate water-based and/or hydrocarbon-based life.*
- *The NASA Astrobiology Program supports scientists involved at all stages of the mission. Projects supported by the program have helped to define Titan as prime target for astrobiology research in the Solar System.*

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- Analog research on Earth and comparative planetology studies in order to better understand the environment of Titan and to identify sites of astrobiological interest.
- Development of instrumentation that can be used to perform scientific investigations at Titan.
- Research in areas of prebiotic chemistry that inform our knowledge of organic chemistry on the moon.

Europa Clipper Mission to Europa

- *The Europa Clipper mission will place a spacecraft in orbit around Jupiter in order to perform a detailed investigation of the giant planet's moon Europa.*
 - Europa shows strong evidence for an ocean of liquid water beneath its icy crust and some astrobiologists believe that it could host conditions favorable for life.
 - Astrobiologists are involved in the definition of science goals for Europa Clipper and the design of scientific instruments for the mission.

James Webb Space Telescope (Webb)

- *Webb will be the premier space-based observatory of the next decade. Webb is a large infrared telescope with a 6.5-meter primary mirror. Data from Webb will be used to study the formation and evolution of habitable worlds, and will be invaluable in understanding processes that have shaped habitability in our own Solar System.*
- *Webb will be capable of making detailed observations that might allow astrobiologists to identify signatures of life on Earth-like planets beyond our Solar System.*
 - Webb observations will be used to study:
 - Every phase in the history of the Universe, including the evolution of the Solar System
 - The formation of distant solar systems capable of supporting life on Earth-like exoplanets.
 - Observe the formation of stars from the first stages to the formation of planetary systems
 - Measure the physical and chemical properties of planetary systems and investigate the potential for life in those systems

PAOs:

- HQ: Alana Johnson, alana.r.johnson@nasa.gov / 202-358-1501
- HQ: Karen Fox, karen.fox@nasa.gov, (b) (6)
- HQ: Liz Landau, elizabeth.r.landau@nasa.gov

Concurrences:

- HQ: Mary Voytek, Senior Scientist for NASA Astrobiology
- HQ: Lori Glaze, Planetary Science Division director

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- HQ: Michael New, Deputy AA for Research, Science Mission Directorate
- HQ: Eric Smith, JWST Program Scientist

From: [Jones, Nancy N. \(GSFC-1300\)](#)
To: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
Subject: Re: UFO interviews Q
Date: Tuesday, June 22, 2021 7:39:21 AM

Hi Lonnie,

Yes, please work with Ravi. We have to keep Hq in the loop along the way. Check my calendar for a time today or tomorrow afternoon after 2:00 to tag-up.

Thanks,

Nancy

On: 21 June 2021 17:08, "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov> wrote:

Hey Nancy,

Ravi asked me for help with media interviews while Rani is on vacation. As you know, he and I have talked about UFOs a lot and I know all his talking points. I would be happy to help, but I wanted to check with you first because this is a sensitive topic for NASA.

Let me know how you want to proceed with this. If you want me to pitch in, let's chat asap about strategy because things are going to heat up fast and furious come Friday, which is when the government report comes out. Do you have a minute tomorrow a.m.?

Thanks,

Lonnie

--

Lonnie Shekhtman
Senior Science Writer
Solar System Exploration
NASA's Goddard Space Flight Center
301-614-6833

From: "Gran, Rani C. (GSFC-1300)" <rani.c.gran@nasa.gov>

Date: Monday, June 21, 2021 at 4:42 PM

To: David Sloan <(b) (6)>


Cc: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>,
"Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]"

<lonnie.shekhtman@nasa.gov>, "Hautaluoma, Grey (HQ-NA020)"

<grey.hautaluoma-1@nasa.gov>

Subject: Re: [EXTERNAL] Antwort: NASA Interview

Duplicate Email - Released in 21-HQ-F-00603



From: David Sloan <(b) (6)>

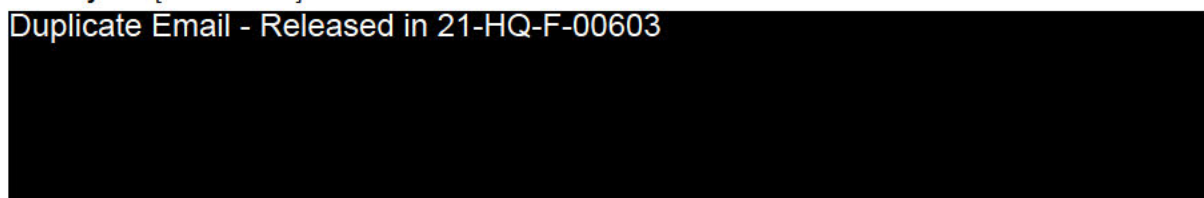
Date: Monday, June 21, 2021 at 4:39 PM

To: Rani Gran <rani.c.gran@nasa.gov>

Cc: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>

Subject: [EXTERNAL] Antwort: NASA Interview

Duplicate Email - Released in 21-HQ-F-00603



-----"Gran, Rani C. (GSFC-1300)" <rani.c.gran@nasa.gov> schrieb: -----

An: "David Sloan" <(b) (6)>

Von: "Gran, Rani C. (GSFC-1300)" <rani.c.gran@nasa.gov>

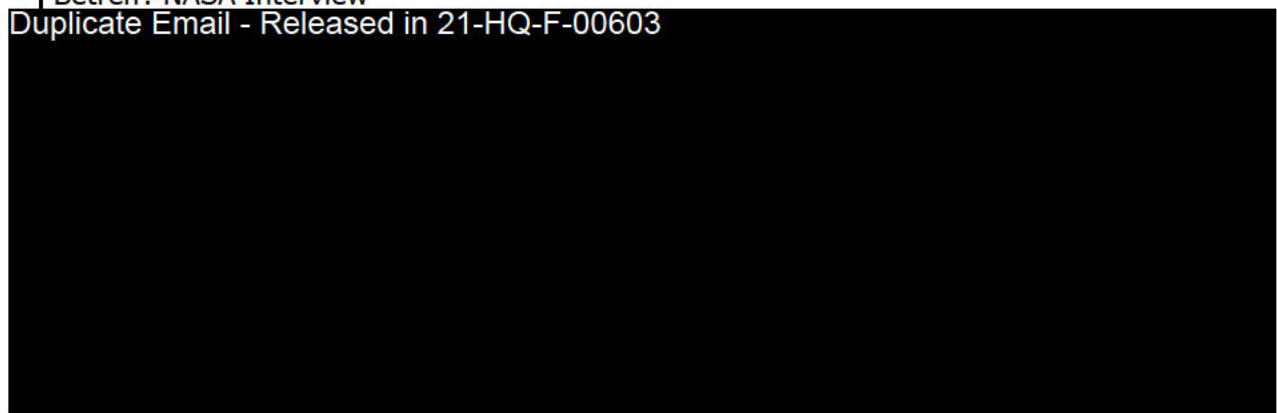
Datum: 21.06.2021 16:29

Kopie: "Kopparapu, Ravi Kumar (GSFC-6990)"

<ravikumar.kopparapu@nasa.gov>

Betreff: NASA Interview

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Requester: John Greenewald

Request #: 23-00084-F-GSFC

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From: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
To: [Fox, Karen C. \(HQ-1300\)](#)
Subject: FW: UAP/UFO talking points
Date: Wednesday, June 23, 2021 9:24:55 AM

Hi, Karen! Shall we connect briefly before Friday to strategize? I think there's going to be a deluge come Friday and beyond ...

Lonnie

--

Lonnie Shekhtman
Senior Science Writer
Solar System Exploration
NASA's Goddard Space Flight Center
301-614-6833

From: "Gran, Rani C. (GSFC-1300)" <rani.c.gran@nasa.gov>
Date: Wednesday, June 23, 2021 at 10:17 AM
To: "Fox, Karen C. (HQ-1300)" <karen.c.fox@nasa.gov>, "Johnson, Alana R. (HQ-DG000)[ASRC FEDERAL SYSTEM SOLUTIONS]" <alana.r.johnson@nasa.gov>, "Handal, Joshua A. (HQ-DG000) [ASRC FEDERAL SYSTEM SOLUTIONS]" <joshua.a.handal@nasa.gov>
Cc: "Hautaluoma, Grey (HQ-NA020)" <grey.hautaluoma-1@nasa.gov>, "Gutro, Rob (GSFC-1300)" <robert.j.gutro@nasa.gov>, "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>
Subject: Re: UAP/UFO talking points

Thanks Karen,

Fortunately or unfortunately, I go on vacation on Friday. So, I will miss the fun.

Lonnie is going to handle the UFO/UAP requests while I'm out.

--

Rani C. Gran
Office of Communications
Mail Code 420, B36, S470
NASA Goddard Space Flight Center
Greenbelt, MD. 20771
Work Cell : (b) (6)
Phone: 301-286-2483

"If we amplify everything, we hear nothing," Jon Stewart.

From: "Fox, Karen C. (HQ-1300)" <karen.c.fox@nasa.gov>

Date: Wednesday, June 23, 2021 at 10:14 AM

To: Rani Gran <rani.c.gran@nasa.gov>, "Johnson, Alana R. (HQ-DG000)[ASRC FEDERAL SYSTEM SOLUTIONS]" <alana.r.johnson@nasa.gov>, "Handal, Joshua A. (HQ-DG000)[ASRC FEDERAL SYSTEM SOLUTIONS]" <joshua.a.handal@nasa.gov>

Cc: "Hautaluoma, Grey (HQ-NA020)" <grey.hautaluoma-1@nasa.gov>, "Gutro, Rob (GSFC-1300)" <robert.j.gutro@nasa.gov>, "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>

Subject: Re: UAP/UFO talking points

Thanks! This piece of feedback – to not equate unidentified objects with the search for life – is one of the key one's we're getting right now, so we'll be sure to incorporate that nuance.

For everyone's awareness, (b) (5)

(b) (5) – so we're thinking we may have an uptick of media inquiries on Friday.

--

Karen C. Fox
Senior Science Communications Officer
Office of Communications

From: "Gran, Rani C. (GSFC-1300)" <rani.c.gran@nasa.gov>

Date: Wednesday, June 23, 2021 at 10:00 AM

To: "Fox, Karen C. (HQ-1300)" <karen.c.fox@nasa.gov>, "Johnson, Alana R. (HQ-DG000)[ASRC FEDERAL SYSTEM SOLUTIONS]" <alana.r.johnson@nasa.gov>, "Handal, Joshua A. (HQ-DG000)[ASRC FEDERAL SYSTEM SOLUTIONS]" <joshua.a.handal@nasa.gov>

Cc: "Hautaluoma, Grey (HQ-NA020)" <grey.hautaluoma-1@nasa.gov>, "Gutro, Rob (GSFC-1300)" <robert.j.gutro@nasa.gov>, "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>

Subject: FW: UAP/UFO talking points

Good morning,

Ravi wanted to provide some feedback on the talking points. The biggest takeaway, when we answer questions about UFO/UAP, he separates those answers from NASA's search for life.

I hope his feedback helps,

Rani

--

Rani C. Gran
Office of Communications
Mail Code 420, B36, S470
NASA Goddard Space Flight Center
Greenbelt, MD. 20771
Work Cell : (b) (6)
Phone: 301-286-2483

"If we amplify everything, we hear nothing," Jon Stewart.

From: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>
Date: Tuesday, June 22, 2021 at 7:19 PM
To: Rani Gran <rani.c.gran@nasa.gov>
Subject: Re: UAP/UFO talking points

Hi Rani,

I have attached my suggestions to the talking points. We just have to (b) (5)

(b) (5)

(b) (5)

I tried to make this point clear and also added

some points about technosignature science.

Ravi

From: "Gran, Rani C. (GSFC-1300)" <rani.c.gran@nasa.gov>
Date: Tuesday, June 22, 2021 at 2:02 PM
To: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>
Subject: FW: UAP/UFO talking points

--

Rani C. Gran
Office of Communications
Mail Code 420, B36, S470
NASA Goddard Space Flight Center
Greenbelt, MD. 20771
Work Cell : (b) (6)
Phone: 301-286-2483

"If we amplify everything, we hear nothing," Jon Stewart.

From: "Fox, Karen C. (HQ-1300)" <karen.c.fox@nasa.gov>

Date: Tuesday, June 22, 2021 at 10:43 AM

To: "Hautaluoma, Grey (HQ-NA020)" <grey.hautaluoma-1@nasa.gov>, "Johnson, Alana R. (HQ-DG000)[ASRC FEDERAL SYSTEM SOLUTIONS]" <alana.r.johnson@nasa.gov>, Rani Gran <rani.c.gran@nasa.gov>, "Jones, Nancy N. (GSFC-1300)" <nancy.n.jones@nasa.gov>

Subject: Re: UAP/UFO talking points

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Requester: John Greenewald

Request #: 23-00084-F-GSFC

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TP: 21-016

June 4, 2021

SUBJECT: Search for Life, Technosignatures & Unidentified Aerial Phenomenon(UAP)/ Unidentified Flying Objects (UFOs)

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BACKGROUND

Public and media interest in the topic of UAP/UFOs has seen an uptick in recent weeks following reports related to the Department of Defense's release of three unclassified U.S. Navy videos. Likewise, the 2021 Intelligence Authorization Act, signed in December 2020, stipulated that the government had 180 days to gather and analyze data from disparate agencies. The report is expected to be released in early June.

DOD released a [statement](#) confirming its authorized release of three unclassified Navy videos, one taken in November 2004 and the other two in January 2015, which have been circulating in the public domain after unauthorized releases in 2007 and 2017.

On May 26, [The Washington Post](#) published an opinion piece written by Ravi Kopparapu, a planetary scientist at NASA's Goddard Space Flight Center.

We Need To Put Science At The Center Of The UFO Question

"...With a government report due in June on unidentified aerial phenomena (UAP) and a recent '60 Minutes' story on U.S. Navy pilots' sightings and videos of mysterious images, prominent people in politics, the military and national intelligence are finally asking: What are we looking at?"

STATEMENT

One of NASA's key goals is the search for life in the universe. To date, NASA has yet to find any credible evidence of extraterrestrial life; however, NASA is exploring the solar system and beyond to help us answer fundamental questions, including whether we are alone in the universe. We stand ready to support the rest of the government in the search for life in the universe, be it close to home, on the planets or moons of our Solar System or deeper into space.

KEY POINTS

- One of NASA's key goals is the search for life in the universe. Although we have yet to find signs of extraterrestrial life, NASA is exploring the solar system and beyond to help us answer fundamental questions, including whether we are alone in the universe.
- From studying water on Mars, probing promising "oceans worlds," such as Titan and Europa, to looking for biosignatures in the atmospheres of planets outside our solar system, NASA's science missions are working together with a goal to find unmistakable signs of life beyond Earth.

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- The nature of science is to better understand the unknown. When we learn of unidentified aerial phenomena, (UAP, or more commonly known as unidentified flying objects or UFOs), it opens up the door to new science questions to explore.
- Most UAP sightings result in very limited data, usually video recordings from a single angle that can only be cross-validated with eyewitness testimony. The language of scientists is data. Without access to an extensive set of data, it is nearly impossible to verify or explain any observation. The lack of robust data, including the lack of access to some existing data, is the central problem for
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QUESTIONS AND ANSWERS

Is there a distinct possibility and probability of life beyond Earth?

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Commented [A5]: (b) (5)

The 2021 Intelligence Authorization Act, signed in December 2020, stipulated that the government had 180 days to gather and analyze data about UAPs from disparate agencies. The report is expected to be released in early June. Has NASA been asked to contribute to this report?

NASA anticipates seeing this report through the normal interagency coordination process.

What are technosignatures?

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(b) (5)



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NASA funding for radio SETI searches was stopped by Congress in 1992. Excluding the recent NASA grant to Adam Frank et al., were there any other NASA-funded efforts on SETI/technosignatures in the intervening years?

Yes, there were instrument development awards made to develop equipment for larger and faster searches for radio technosignatures. We also funded a Topical Workshops, Symposia, and Conference (TWSC) to develop a research agenda to prioritize and guide future theoretical and observational studies of non-radio technosignatures, and to draft a publishable report that can serve as the basis for building a library of technosignatures.

Was there explicit language in funding calls, especially in astrobiology and astrophysics, that excluded SETI/technosignatures proposals, prior to 2018?

Technosignatures research — then termed SETI research — was excluded from the Exobiology solicitation as a programmatic decision of NASA's Astrobiology Program. At the time, the majority of technosignature searches were radio searches and, with the creation of SETI's Paul Allen (Radio-) Telescope Array and Breakthrough Listen. As a steward of taxpayer funds, the Astrobiology Program determined that sufficient private funding was available for radio searches for extraterrestrial signals and Astrobiology Program funding was reallocated to other research, such as understanding how advanced life would modify physical and chemical characteristics of a planet and what a "technosignature" might look like.

What prompted the very-rapidly-organized NASA Technosignatures Workshop in Houston in 2018?

It was thought that our understanding of biosignatures and exoplanets had grown enough so that a discussion of technosignatures could be held on a firmer scientific foundation than before.

Was the language in funding calls changed after the workshop to allow or even encourage proposals related to SETI and technosignatures?

Yes. The Exobiology Program removed the language prohibiting technosignatures research but continued to prohibit proposals for ground-based, radio-telescope searches for technosignatures. The latter restriction stems from NASA's policy of supporting astrophysical research using space-based assets.

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Are radio SETI searches still excluded from funding calls?

If NASA data is used in addition to ground-based radio-telescope data, such proposals may be submitted to the Astrophysics Data Analysis Program.

ADDITIONAL INFORMATION

Exoplanet background

- An exoplanet is a planet outside our solar system. Exoplanets are too far away to visit but can be studied with space telescopes.
- So far, we've confirmed more than 4,300 exoplanets in our galaxy, which probably holds trillions. Thousands more are likely to be confirmed in the years ahead.
- About a fifth of the planets confirmed so far are in Earth's size range, some in the "habitable zone," the distance from the star that could allow liquid water on the planet's surface.
- We also know that the building blocks of life are present throughout the solar system and the cosmos, including water.
- Despite these encouraging signs, we have yet to find evidence of life anywhere but planet Earth, in our solar system or beyond. We also haven't yet found a planet like Earth orbiting a star like the Sun, with a "year" comparable to our own.
- We're now on the cusp of a potential revolution in the study of exoplanets: detecting their atmospheres and searching for chemical signatures that could indicate the presence of [both microbial and technological](#) life.
- In the near-term, the James Webb Space Telescope, and the next generation of ground-based telescopes, [extremely](#) will be able to spread the light from a small sample of Earth-sized exoplanets into a spectrum, potentially revealing the presence of atmospheric gases.
- We'll probably begin with large, gaseous worlds unlikely to be habitable, but that will pave the way for future instruments that could look in on a small, rocky world – perhaps even one similar to our own.
- We might see signs of oxygen, methane and carbon dioxide in such a planet's atmosphere – in other words, an atmosphere that reminds us of home.

Past Missions

Viking Project: 1 & 2

- *NASA's Viking Project was the first mission to reach the martian surface and the first to search for evidence of life on Mars. Viking was NASA's first attempt to search for life on another planet, and was thereby the **first** mission dedicated to astrobiology. The project found a place in history when it became the first U.S.*

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mission to land a spacecraft safely on the surface of Mars and return images of the surface.

- Two identical spacecraft, each consisting of a lander and an orbiter, were built. Each orbiter-lander pair flew together and entered Mars orbit; the landers then separated and descended to the planet's surface.
- The landers conducted three biology experiments designed to look for possible signs of life.
 - These experiments:
 - Discovered unexpected and enigmatic chemical activity in the Martian soil, but provided no clear evidence for the presence of living microorganisms in soil near the landing sites.
 - Taught scientists a great deal about how little we knew about life on Earth and how to detect it.
 - Continue to shape the development of life detection strategies and equipment at NASA and other international agencies.
- NASA's Viking Project took place before NASA's Astrobiology Program was founded, but many scientists from its precursor, NASA's Exobiology Program, participated in the mission.

Kepler and K2 Mission

- *Kepler was a space observatory designed to survey a specific portion of our region of the Milky Way galaxy. An important part of Kepler's work was the identification of Earth-size planets that orbit in the habitable zone of their host star. Such observations are directly relevant to the study of life's potential in the Universe, and the search for life beyond Earth. Kepler discovered more than 2,600 exoplanets!*
 - Amongst the Kepler discoveries is Kepler-186f, the first validated Earth-size planet in the habitable zone of a star other than the Sun. The vast amount of data collected by Kepler will continued to be analyzed and used to help to guide the future direction of astrobiology science.
 - Astrobiologists use this data to:
 - Develop new techniques for studying exoplanets in greater and greater detail.
 - Help inform future missions to characterize exoplanets and exomoons, and possibly identify signs of life by analyzing attributes of these distant worlds, such as atmospheric composition.

Current Missions

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MAVEN

- *Data from MAVEN provides insight into the history of Mars' atmosphere, climate, liquid water, and planetary habitability. An important aspect of the MAVEN mission is studying how early Mars lost much of its atmosphere.*
- *This atmospheric loss may have been partially responsible for Mars' transition from a planet capable of supporting liquid surface water to the dry, desert world we know today.*
 - Astrobiologists are working with data from the MAVEN mission in order to understand how atmospheric loss led to the loss of liquid water on the surface of the planet.
 - This work is important in constraining how and when Mars lost its water and identifying periods in Mars' history when habitable environments were most likely to exist at the planet's surface.

Mars Odyssey

- *Mars Odyssey provides detailed maps of Mars that are used to determine the evolution of the Mars environment and its potential for life.*
 - Astrobiologists were directly involved in the development of the Thermal Emission Imaging System (THEMIS) instrument onboard Mars Odyssey. Visible and infrared observations by THEMIS are used to identify the distribution of minerals on Mars, allowing astrobiologists to study how the mineralogy of the planet relates to the landforms.
 - Astrobiologists also use data from Mars Odyssey to study the geochemical makeup of Mars. This information is useful for:
 - Studying the evolution of Mars' environment
 - Identifying locations that may have been habitable for life in the past
 - Finding astrobiology-relevant landing sites for future Mars missions.

Mars Reconnaissance Orbiter

- *While other Mars missions have shown that water flowed across the surface in Mars' history, it remains a mystery whether water was ever around long enough to provide a habitat for life.*
 - Data from MRO:
 - Is essential to astrobiologists studying the potential for habitable environments on past and present Mars.
 - Provides invaluable data used in selecting landing sites for future Mars missions.
 - Is important in building climate models for Mars, and for use in comparative planetology studies performed by astrobiologists who study the potential habitability of exoplanets that orbit distant stars.

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Mars Exploration Rovers (MER) Spirit & Opportunity

- *NASA's twin Mars Exploration Rovers, Spirit and Opportunity, were designed to last for 90 martian days, however both robotic explorers far outlasted their original missions and spent years collecting data at the surface of Mars. Spirit's sent data back for over six years, while Opportunity returned data for an incredible fifteen years.*
 - MER mission was to search for and characterize a wide range of rocks and soils that hold clues to past water activity on Mars. Studying the history of water on Mars is essential in determining whether or not the planet once supported environments that could have been habitable for life as we know it.
 - MER data has been used to identify environments that may have supported conditions suitable for life in Mars' past and will guide the future of Mars exploration for decades to come.

Mars Science Laboratory (Curiosity Rover)

- *MSL's Curiosity rover is studying whether or not Mars ever had environments capable of supporting microbial life. Data from MSL will be used to develop future missions to collect samples of the martian surface in the hopes of identifying signs of past or present life.*
 - The Curiosity rover is advancing the field of astrobiology by investigating Mars' habitability, studying its climate and geology.
 - Curiosity has provided evidence that liquid water once flowed at the surface of Mars in Gale Crater.
 - The rover also discovered a site dubbed 'Yellowknife bay,' which once supported an environment that was habitable for microbial life.

Mars 2020 Mission to Mars: Perseverance Rover

- *Mars 2020 is the next step in NASA's robotic exploration of Mars, a primary target of astrobiology research in the Solar System, and will build on the accomplishments of MSL. Many researchers supported by elements of the Astrobiology Program are involved in the design and development of the Mars 2020 mission and its scientific goals.*
 - The rover Perseverance is providing important data relevant to astrobiology research, along with a vast amount of geological information about the landing site and the planet at large that will help put the astrobiological data into context.
 - One of the missions primary goal is to explore the geology of Jezero Crater in order to assess past habitability.

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- Jezero Crater is a geologically rich terrain, with many features and minerals formed by water that may date back as far as 3.6 billion years ago.
- Studying the geology and mineralogy of this site will provide a window into the planet's climate history, and allows astrobiologists to determine if sites like these were persistent habitable environments that could have supported life in the past.
- Perseverance will not be looking for organisms living on Mars today. However, the rover is collecting data that could be used to identify biosignatures of ancient microbial life.
 - Previous missions, from Pathfinder to Curiosity, have helped astrobiologists determine that habitable environments were present on Mars in the planet's ancient past.
 - While these environments may have been habitable, we do not know if they were inhabited (i.e. if life was ever present).
- Perseverance will be collecting a suite of samples to be returned to Earth via a Mars Sample Return mission. The return samples from another planet will allow our researchers to interrogate them with all of the sophistication and thoroughness of Earth-based instrumentation, and will provide an immense opportunity to dramatically advance our scientific understanding of Mars.
- Many of the goals for the Mars 2020 mission are directly relevant to Astrobiology. These include:
 - Determine whether life ever arose on Mars
 - Seeking signs of past life (biosignatures) in the geological record
 - Characterize the climate of Mars
 - Characterize the geology of Mars

TESS Mission

- NASA's Transiting Exoplanet Survey Satellite is an all-sky survey mission that will discover thousands of exoplanets around nearby bright stars.
- TESS launched April 18, 2018 aboard a SpaceX Falcon 9 rocket.
- To date, TESS has discovered more than 120 confirmed exoplanets and more than 2,600 planet candidates
- TESS has identified, and will continue to find, exoplanets targets that Webb will study in further detail

Upcoming Missions

Dragonfly Mission to Titan

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- *This revolutionary mission concept includes the capability to explore diverse locations to characterize the habitability of Titan's environment, to investigate how far prebiotic chemistry has progressed, and even to search for chemical signatures that could indicate water-based and/or hydrocarbon-based life.*
- *The NASA Astrobiology Program supports scientists involved at all stages of the mission. Projects supported by the program have helped to define Titan as prime target for astrobiology research in the Solar System.*
 - Analog research on Earth and comparative planetology studies in order to better understand the environment of Titan and to identify sites of astrobiological interest.
 - Development of instrumentation that can be used to perform scientific investigations at Titan.
 - Research in areas of prebiotic chemistry that inform our knowledge of organic chemistry on the moon.

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- *Webb will be capable of making detailed observations that might allow astrobiologists to identify signatures of life on Earth-like planets beyond our Solar System.*
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 - Observe the formation of stars from the first stages to the formation of planetary systems
 - Measure the physical and chemical properties of planetary systems and investigate the potential for life in those systems

PAOs:

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- HQ: Karen Fox, karen.fox@nasa.gov/(b) (6)
- HQ: Liz Landau, elizabeth.r.landau@nasa.gov

Concurrences:

- HQ: Mary Voytek, Senior Scientist for NASA Astrobiology
- HQ: Lori Glaze, Planetary Science Division director
- HQ: Michael New, Deputy AA for Research, Science Mission Directorate
- HQ: Eric Smith, JWST Program Scientist

From: [Ladd, David \(GSFC-130.0\)\[ADVOCATES IN MANPOWER MANAGEMENT, INC\]](#)
To: [Wasser, Molly L. \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#); [Gran, Rani C. \(GSFC-1300\)](#); [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
Cc: [Jones, Nancy N. \(GSFC-1300\)](#)
Subject: Interesting to watch when you have time :)
Date: Wednesday, June 23, 2021 2:37:19 PM

Molly, Rani, Lonnie, and Nancy –

In regards to the whole UAP/UFO discussion and NASA's shifting paradigm on how to address it – I present you this 30 minute video to watch for fun in your spare time (if you have any, lol)

A reporter from the Washington Post recently interviewed Luis Elizondo, who is the former AATIP Director investigating UAP's/UFOs for the Pentagon. This guy has made the rounds on a lot of different media outlets in the recent months (CNN, FOX, and various youtube shows and podcasts) so you may have seen him before. I think the discussion that they had on this topic is **fascinating** (and it was clearly a hit for the Post as it has over a million views).

<https://www.youtube.com/watch?v=GcH5nuqa-0w>

Down the road sometime, I think it would be fun and interesting to perhaps produce a similar "round-table" discussion/debate featuring some NASA scientists (Like Ravi, maybe Michelle Thaller, Noah, someone in astrophysics, etc) to talk from the scientific perspective and what NASA could, can, and will contribute to the UAP topic... perhaps even inviting Luis on, or some other current or former military member with an interest in it or someone who could speak to how their investigations are similar/different to how a scientist would approach them.

I think what this Washington Post interview shows, as well as what we have already seen in the media, and even from the NASA administrator – is a rapid shift in how this topic is perceived... it's mainstream now. And I think there are "easy" ways to connect NASA's search for other life in the universe into this more narrowly defined issue of UAP's. And from a video production/social media standpoint – I think it is a GOLDMINE to grab the public's attention about NASA science.

Anyway, that's my 2 cents. Happy to bat around ideas on things as this topic continues to unfold. For now, if you have time, enjoy the show! I can also recommend numerous other videos/documentaries/debates I've seen recently on the subject matter.

- David

PS – And just for the record, I am the biggest skeptic when it comes to anything paranormal/otherworldly/interwordly/interdimensional etc. Lol. I love debunking stuff and my money is always on natural and "normal" explanations for all of the UAP incidents....
Buuuuuuuuuuut, I'm not closed-minded, and I think this topic is tremendously fascinating, especially considering all the information that is making its way into more public view now. I think it's the blend of science and what has been considered science-fiction that has given me the goosebumps and perked my interest in the matter.

From: [Gran, Rani C. \(GSFC-1300\)](#)
To: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
Date: Wednesday, June 23, 2021 12:14:39 PM

Do you want to listen into the UFO interview tomorrow at 3?

From: [Wasser, Molly L. \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
To: [Jones, Nancy N. \(GSFC-1300\)](#); [Gran, Rani C. \(GSFC-1300\)](#); [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#); [Steigerwald, William A. \(GSFC-1300\)](#); [Tralie, James W. \(GSFC-130.0\)\[ADNET SYSTEMS INC\]](#); [Ladd, David \(GSFC-130.0\)\[ADVOCATES IN MANPOWER MANAGEMENT, INC\]](#); [Gallagher, Daniel Patrick. \(GSFC-130.0\) \[KBRwyle\]](#); [Arnold, Madison C. \(GSFC-130.0\)\[X3M Systems, LLC\]](#)
Date: Wednesday, June 23, 2021 12:23:16 PM

what is uap?

From: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
To: [Jones, Nancy N. \(GSFC-1300\)](#); [Gran, Rani C. \(GSFC-1300\)](#); [Wasser, Molly L. \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#); [Steigerwald, William A. \(GSFC-1300\)](#); [Tralie, James W. \(GSFC-130.0\)\[ADNET SYSTEMS INC\]](#); [Ladd, David \(GSFC-130.0\)\[ADVOCATES IN MANPOWER MANAGEMENT, INC\]](#); [Gallagher, Daniel Patrick. \(GSFC-130.0\) \[KBRwyle\]](#); [Arnold, Madison C. \(GSFC-130.0\)\[X3M Systems, LLC\]](#)
Date: Wednesday, June 23, 2021 12:23:52 PM

unidentified aerial phenomenon

From: [Jones, Nancy N. \(GSFC-1300\)](#)
To: [Mahaffy, Paul R. \(GSFC-6900\)](#)
Cc: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#); [Gran, Rani C. \(GSFC-1300\)](#)
Subject: UFO Report
Date: Wednesday, June 23, 2021 2:40:40 PM

Hi Paul,

As I am sure you are aware, the Pentagon is scheduled to release its UFO report on Friday.

I would like to request that you include a few sentences in your Monday email, to let 690 scientists know that if they receive media inquiries about UFO/UAP, they should let Rani Gran, Lonnie and myself know. Rani Gran is the designated UFO PAO, but she will be on vacation for two weeks beginning Monday. Lonnie has offered to fill in for her. We want to make sure that 690 scientists notify us before doing any interviews. All interviews are being coordinated with HQ.

Thanks,
Nancy

--

*Nancy Neal Jones
Senior Communications Manager
Solar System Exploration Division
NASA's Goddard Space Flight Center
Office of Communications
Nancy.N.Jones@nasa.gov*

From: [Hatfield, Miles S. \(GSFC-130.0\)\[TELOPHASE CORP\]](#)
To: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#); [Landau, Elizabeth R \(HQ-1864\)\[ASRC FEDERAL SYSTEM SOLUTIONS\]](#); [Gran, Rani C. \(GSFC-1300\)](#); [Hoover, Rachel L. \(ARC-DO\)](#); [Tran, Lina \(GSFC-670.0\)\[SGT INC\]](#); [Barry, Caela E. \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#); [Tiedeken, Staci L. \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#); [Fadoul, Jenny Marder \(GSFC-470.0\)\[TELOPHASE CORP\]](#)
Date: Friday, June 25, 2021 9:33:33 AM

Yeah, we're living in the UFO renaissance!

From: [Hautaluoma, Grey \(HQ-NA020\)](#)
To: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
Cc: [Gran, Rani C. \(GSFC-1300\)](#); [Jones, Nancy N. \(GSFC-1300\)](#)
Subject: FW: [EXTERNAL] Media query for National Geographic on upcoming UFO/UAP report
Date: Friday, June 25, 2021 5:35:45 PM

We can follow up on Monday and see if Ravi has had a chance to review the report. At any rate, he's still going to have to keep his comments high level and about what NASA does.

From: Jill Robinson <(b) (6)>
Sent: Friday, June 25, 2021 5:50 PM
To: Kopparapu, Ravi Kumar (GSFC-6990) <ravikumar.kopparapu@nasa.gov>
Cc: Gran, Rani C. (GSFC-1300) <rani.c.gran@nasa.gov>; Hautaluoma, Grey (HQ-NA020) <grey.hautaluoma-1@nasa.gov>
Subject: Re: [EXTERNAL] Media query for National Geographic on upcoming UFO/UAP report

Duplicate Email - Released in 21-HQ-F-00603



On Wed, Jun 9, 2021 at 10:12 AM Kopparapu, Ravi Kumar (GSFC-6990) <ravikumar.kopparapu@nasa.gov> wrote:

Duplicate Email - Released in 21-HQ-F-00603



Deletion Page

Requester: John Greenewald

Request #: 23-00084-F-GSFC

1 page(s) containing duplicate information
is/are held in the file.


From: Jill Robinson <(b) (6)>

Date: Tuesday, June 8, 2021 at 7:01 PM

To: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>

Subject: [EXTERNAL] Media query for National Geographic on upcoming UFO/UAP report

Duplicate Email - Released in 21-HQ-F-00603



From: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
To: [Gran, Rani C. \(GSFC-1300\)](#)
Subject: Re: Updated UAP/UFO Interview Tracking sheet
Date: Friday, June 25, 2021 8:06:50 AM

Thank you, Rani! Have a fabulous vacation.

--

Lonnie Shekhtman
Senior Science Writer
Solar System Exploration
NASA's Goddard Space Flight Center
301-614-6833

From: "Gran, Rani C. (GSFC-1300)" <rani.c.gran@nasa.gov>
Date: Thursday, June 24, 2021 at 8:09 PM
To: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>, "Hautaluoma, Grey (HQ-NA020)" <grey.hautaluoma-1@nasa.gov>, "Johnson, Alana R. (HQ-DG000)[ASRC FEDERAL SYSTEM SOLUTIONS]" <alana.r.johnson@nasa.gov>, "Handal, Joshua A. (HQ-DG000)[ASRC FEDERAL SYSTEM SOLUTIONS]" <joshua.a.handal@nasa.gov>, "Fox, Karen C. (HQ-1300)" <karen.c.fox@nasa.gov>, "Jones, Nancy N. (GSFC-1300)" <nancy.n.jones@nasa.gov>
Subject: Updated UAP/UFO Interview Tracking sheet

Space.com: Scientists call for serious study of 'unidentified aerial phenomena'

<https://www.space.com/unidentified-aerial-phenomena-scientific-scrutiny>

Also my husband adjusted our vacation and added one more day. So I'm out June 25 to July 13.

Good luck tomorrow.

Rani

--

Rani C. Gran
Office of Communications
Mail Code 420, B36, S470
NASA Goddard Space Flight Center
Greenbelt, MD. 20771
Work Cell : (b) (6)
Phone: 301-286-2483

"If we amplify everything, we hear nothing," Jon Stewart.

Ravi Kopparapu interviews on UFO and NASA's Search for Life:

Updated 6.24.21

New Requests:

6/22, David Sloan, Antwort, German Broadcasting company. We completed this interview, details below. There were lots of great questions about the NASA efforts to search for life. They would like to publish the raw interview. They offered to send us the transcript for review, to cross out anything we find embarrassing or not correct.

Contacts: David Sloan (b) (6)

We should follow up with David Sloan about the transcript.

6/21 Evan Dawson is the host of Connections, an NPR talk show in Rochester, NY. NASA Hq gave us permission to move forward with the interview. He wants to talk to Ravi and a couple of other scientists about UFOs and NASA's search for life. I'm trying to collect more specifics about this show.

<https://www.npr.org/podcasts/389236520/connections-with-evan-dawson>

Contacts: (b) (6) (b) (6)

TBA: We do not have a date for this interview: National Geographic Producer, Misha X. Rezvi -ND, contacted Ravi to get some background on the scientific study of UFOs. She was looking to talk to a scientist who dedicated their lives to studying UFOs so that they can spend an hour-long documentary on them. Unfortunately, the scientists who can fit their criteria are Prof. James Mc Donald and Allen Hynek; both are deceased now. No one currently is doing the caliber or the level of the work that they did. The closest is someone at the University of New York-Albany.

Contact: Misha Rezvi-ND (b) (6)

Completed Interviews

6/24 A DC-based producer for Germany's TV network ARD. ARD is a public channel similar to PBS here in the US. She wants to talk to Ravi about his Scientific American Article and UFOs and UAVs either Wednesday or Thursday. The interview was short, just 15 minutes.

Contact: Christine Schiffner (b) (6)

6/22, David Sloan, Antwort, German Broadcasting company. He is writing a story to understand what it means for the scientific study of UAP/UFO and explaining how the general public should view this subject now, with the taboo is starting to shrink. Also, what does it mean for the study of the habitability of other planets and potential life in other solar systems/planets/exo planets. When the report is made public and whatever parts are not redacted, what will be NASA's interest be in studying this subject.

The interview was taped at the visitor center,

6/21 12:00 p.m. EST Zoom interview with the Space Channel's Christopher Tolve
<(b) (6)>

6/21 SKY NEWS - URGENT INTERVIEW REQUEST—missed deadline

6/21 at 2:00 PM. We will tape an interview with Ravi in Goddard's TV studio about NASA's efforts to search for life in our solar system for the Science Channel. The interview will air during a live national television event about Unidentified Aerial Phenomena (UAP) for DISCOVERY NETWORKS and THE SCIENCE CHANNEL, airing on June 30th, 2021

6/20 Space.com

Reporter: Leonard David, Space.com

What: Email Exchange on UAP/UFO report between Ravi and David Leonard

6/1 Live Radio Interview - Washington, D.C. / WMAL

We said we should be able to talk more after the report comes out.

Background Information/recent stories

5/26 [We're asking the wrong questions about UFOs](#) by NASA Goddard Scientist Ravi Kopparapu -he coordinated this article with NASA SMD and OCOMM and his supervisors at Goddard

7/27/20 ['Unidentified Aerial Phenomena,' Better Known as UFOs, Deserve Scientific Investigation \(Good Background\)](#)

From: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
To: [Hautaluoma, Grey \(HQ-NA020\)](#)
Cc: [Jones, Nancy N. \(GSFC-1300\)](#); [Gran, Rani C. \(GSFC-1300\)](#)
Subject: Re: NASA INTERVIEW PREP DOCUMENT - as of 6-25-21 (internal distribution only)
Date: Monday, June 28, 2021 8:25:42 AM

One more thing: there's an FAQ online now, in case you haven't seen it:

<https://www.nasa.gov/feature/faq-unidentified-aerial-phenomena-uapsufos>

--

Lonnie Shekhtman
Senior Science Writer
Solar System Exploration
NASA's Goddard Space Flight Center
301-614-6833

From: "Hautaluoma, Grey (HQ-NA020)" <grey.hautaluoma-1@nasa.gov>
Date: Saturday, June 26, 2021 at 11:09 AM
To: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>
Cc: "Jones, Nancy N. (GSFC-1300)" <nancy.n.jones@nasa.gov>, "Gran, Rani C. (GSFC-1300)" <rani.c.gran@nasa.gov>
Subject: FW: NASA INTERVIEW PREP DOCUMENT - as of 6-25-21 (internal distribution only)

This could be helpful. Nothing we didn't know, but the agency's position is formally laid out succinctly at the top.

From: Beutel, Allard (HQ-NA020) <allard.beutel@nasa.gov>
Sent: Friday, June 25, 2021 11:44 PM
Subject: NASA INTERVIEW PREP DOCUMENT - as of 6-25-21 (internal distribution only)

Good evening, attached is the latest interview prep document.

The top item is new:

- Search for Life, Technosignatures, and UAP/UFOs

The updated items are:

- Hubble Space Telescope Issue
- Upcoming Events Public Dates section

-Allard



INTERNAL DISTRIBUTION ONLY

Updated 6/25/21

NASA INTERVIEW PREP DOCUMENT

RECENT HOT TOPICS

Search for Life, Technosignatures, and UAP/UFOs

Public and media interest in the topic of UAP/UFO (Unidentified Aerial Phenomena /Unidentified Flying Objects) has seen an uptick in recent weeks following reports related to the Department of Defense's release of three unclassified U.S. Navy videos. An unclassified preliminary [report](#) from the Office of the Director of National Intelligence was released June 25, which is when we posted a NASA [article](#) on what the agency is doing to search for life beyond Earth. And below is our response to the public and media who call for NASA comment:

- One of NASA's key goals is the search for life in the universe. To date, NASA has yet to find any credible evidence of extraterrestrial life; however, NASA is exploring the solar system and beyond to help us answer fundamental questions, including whether we are alone in the universe. We lead the U.S. government's search for extraterrestrial life, be it close to home, on the planets or moons of our solar system, or deeper into space.

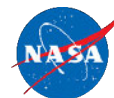
NASA does not actively search for UAPs and the lack of robust data is the central problem for scientific study of UAPs and to determine whether they are natural or human-made phenomena – there is no current data to support that UAPs or UFOs are evidence of alien technologies.

Quick Reference

[Upcoming Events](#)

[Public Dates](#)

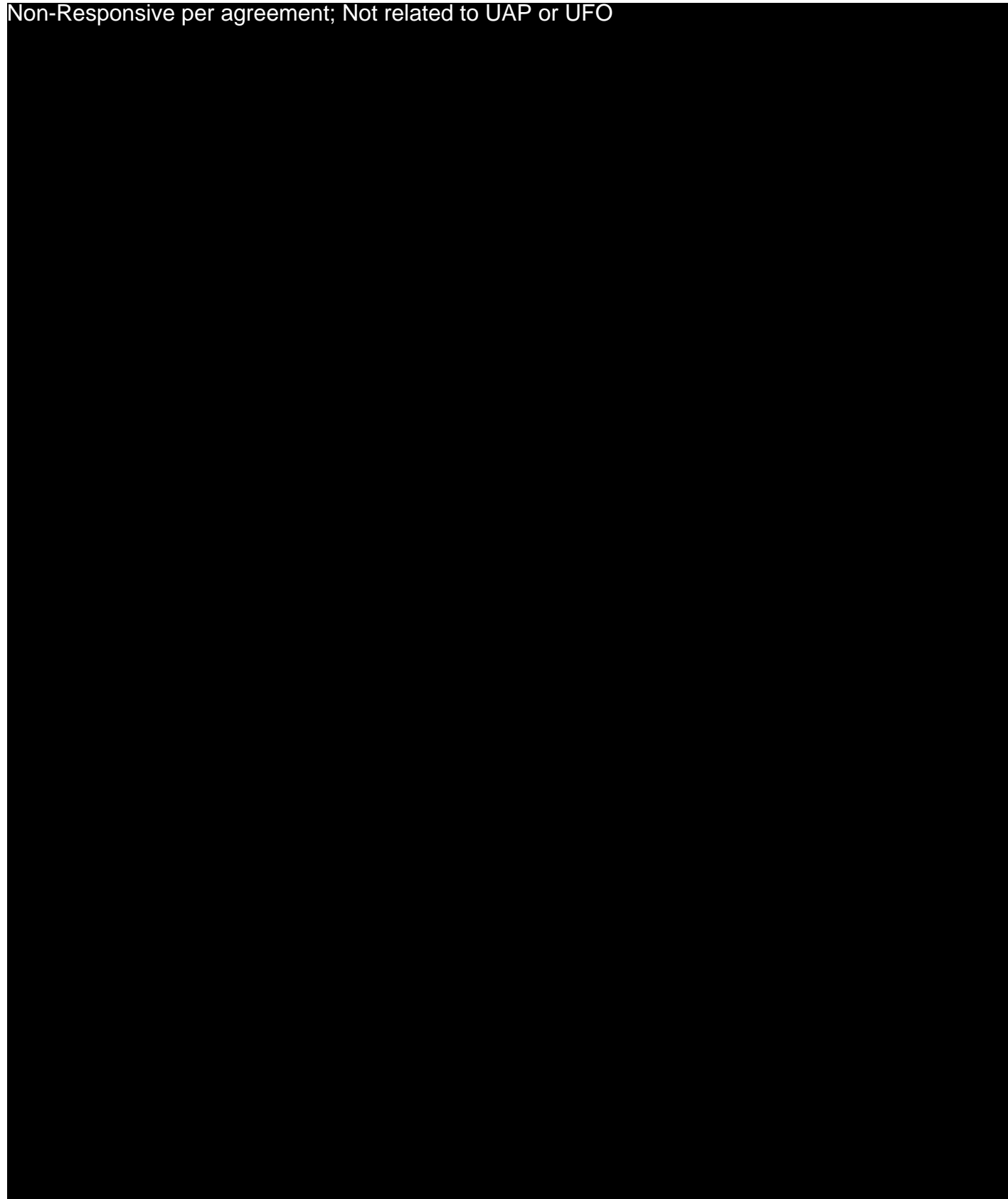
Non-Responsive per agreement; Not related to UAP or UFO



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Updated 6/25/21

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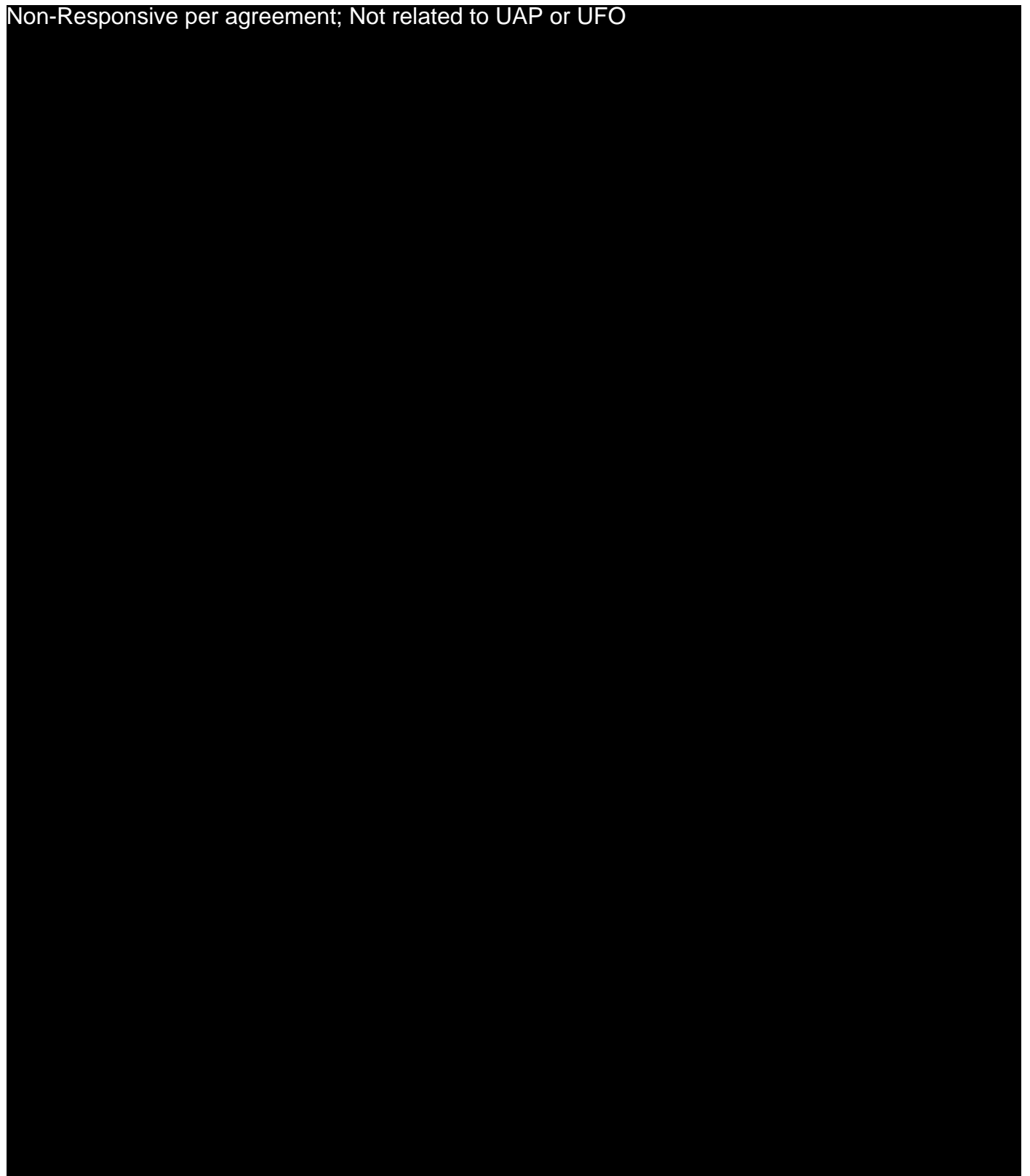


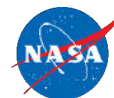


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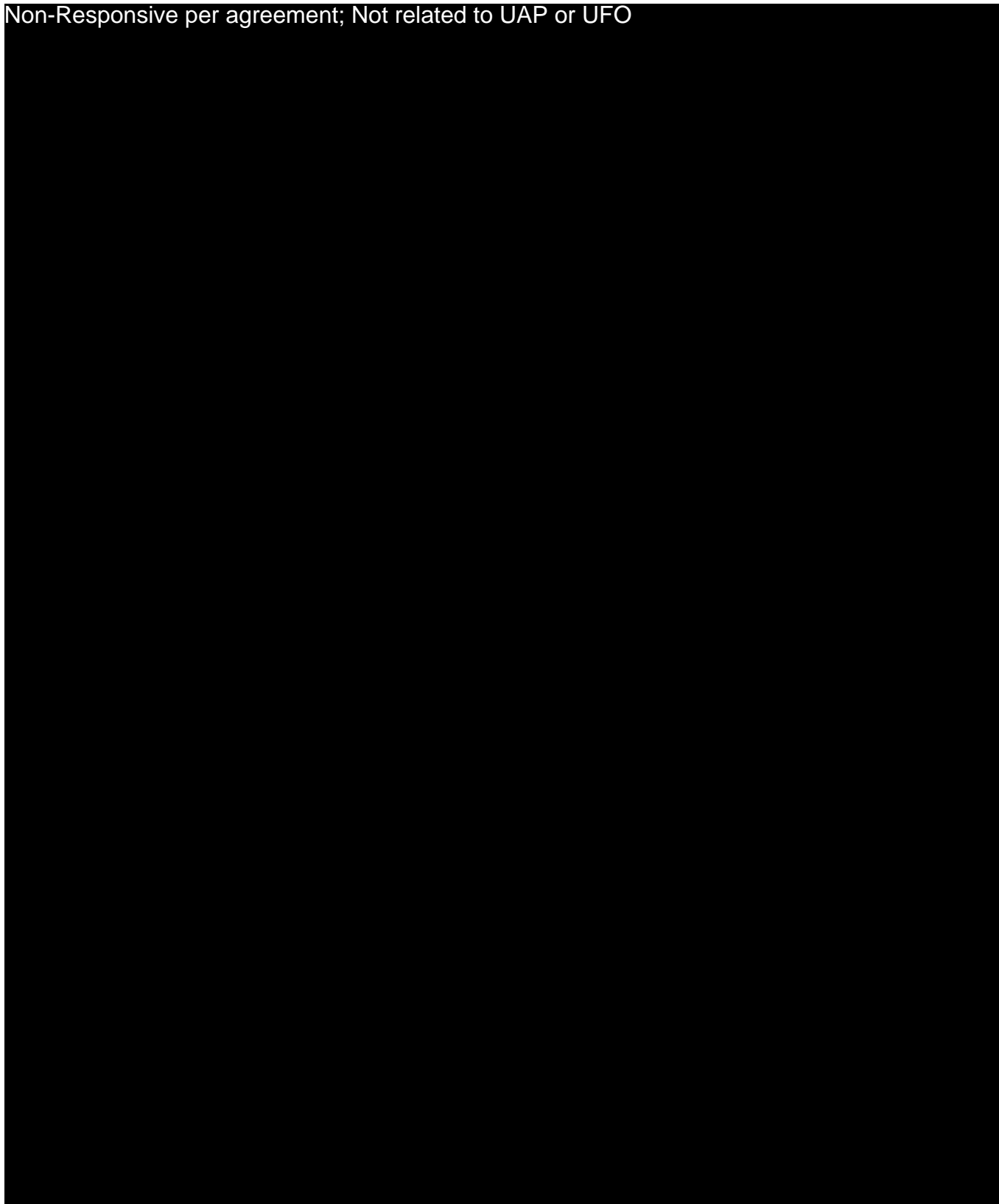


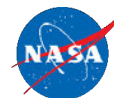


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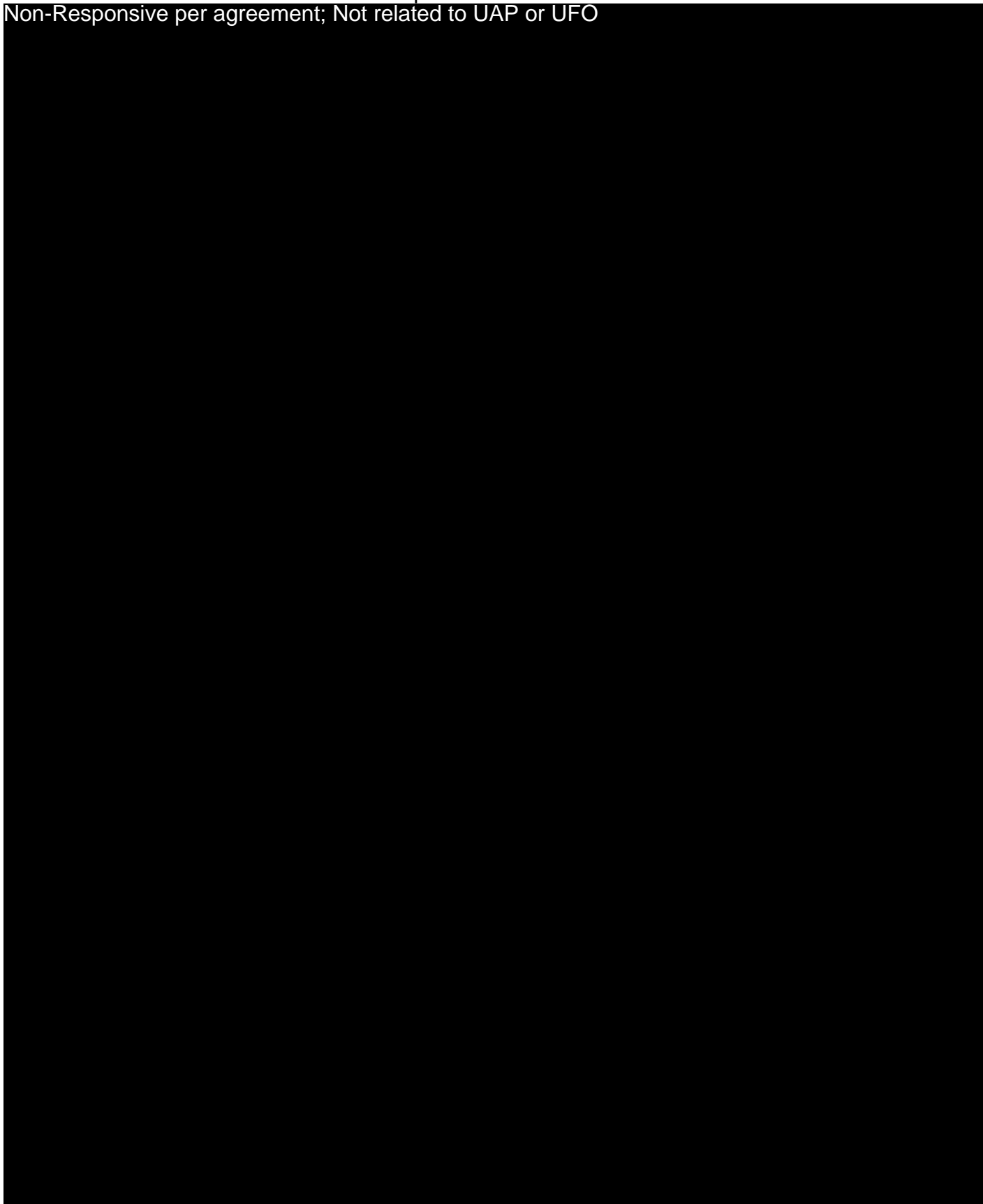




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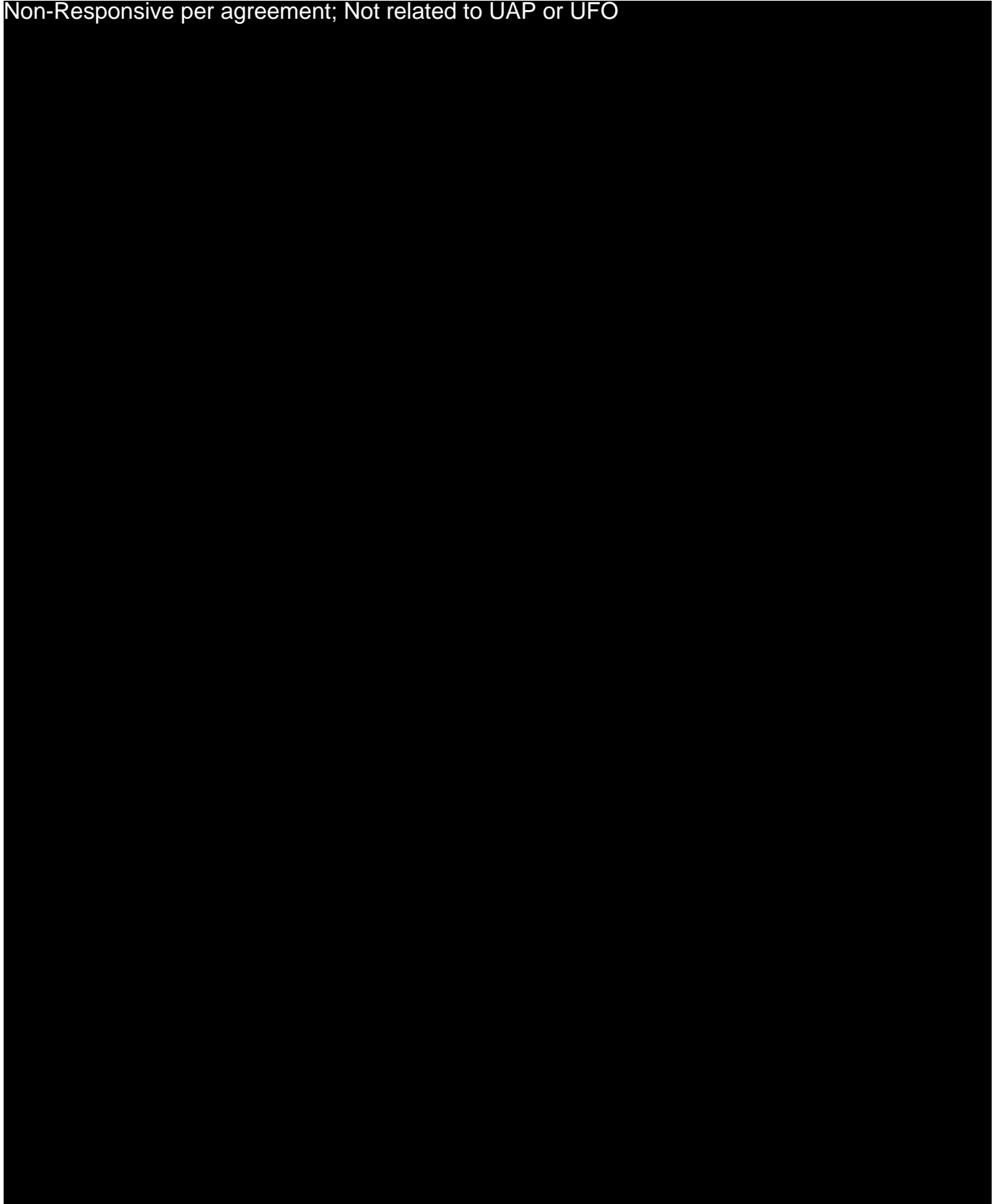




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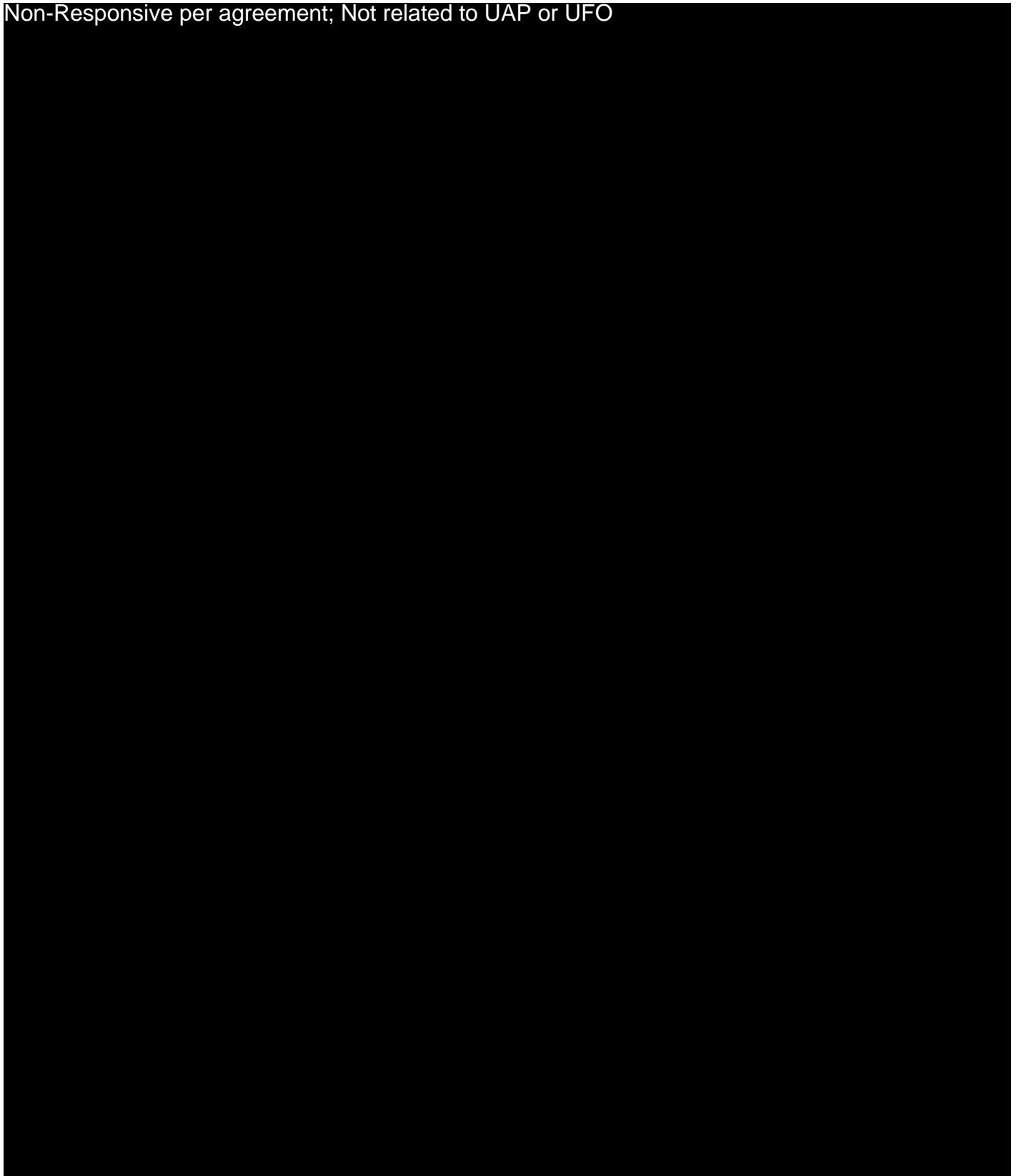
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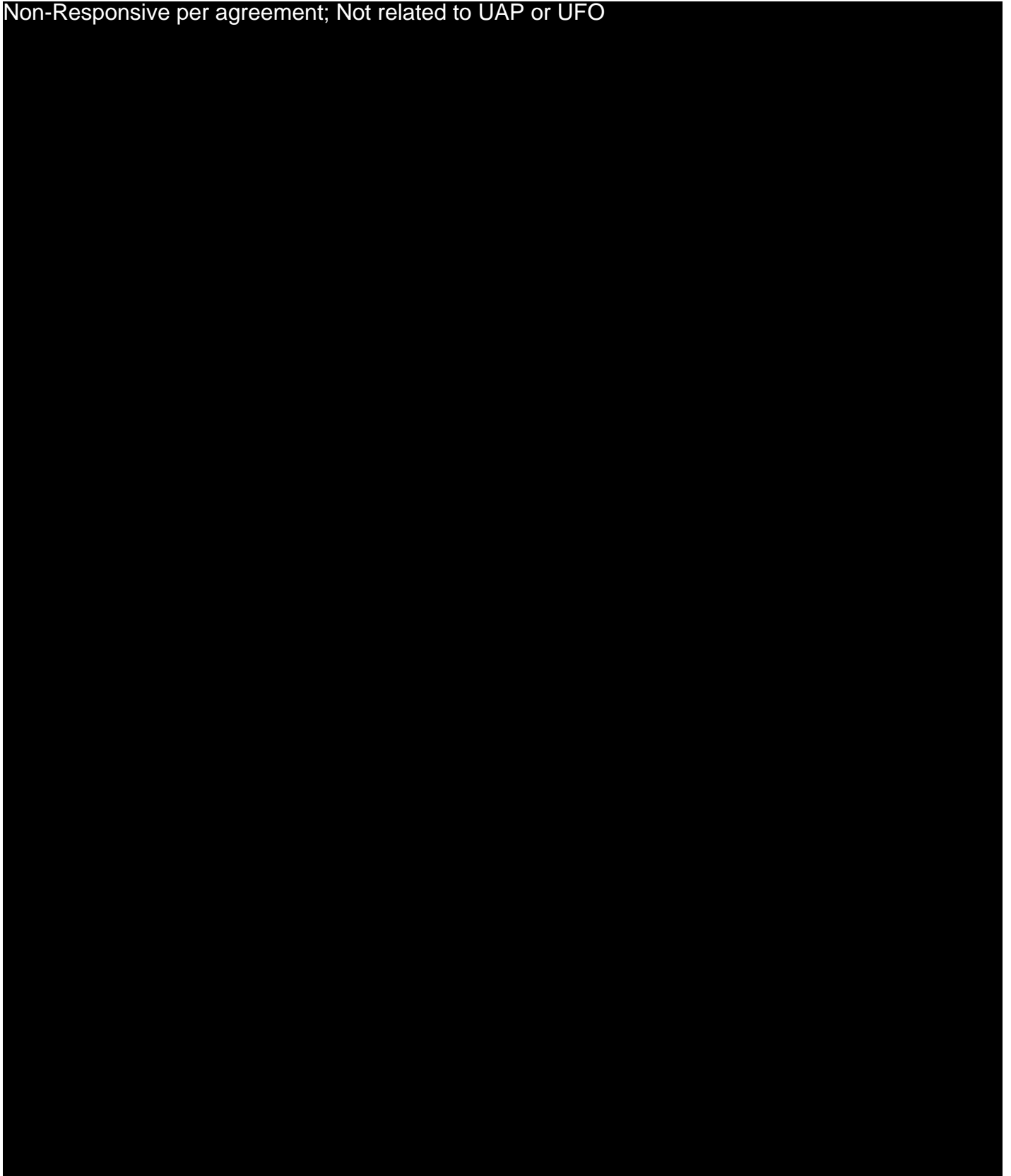




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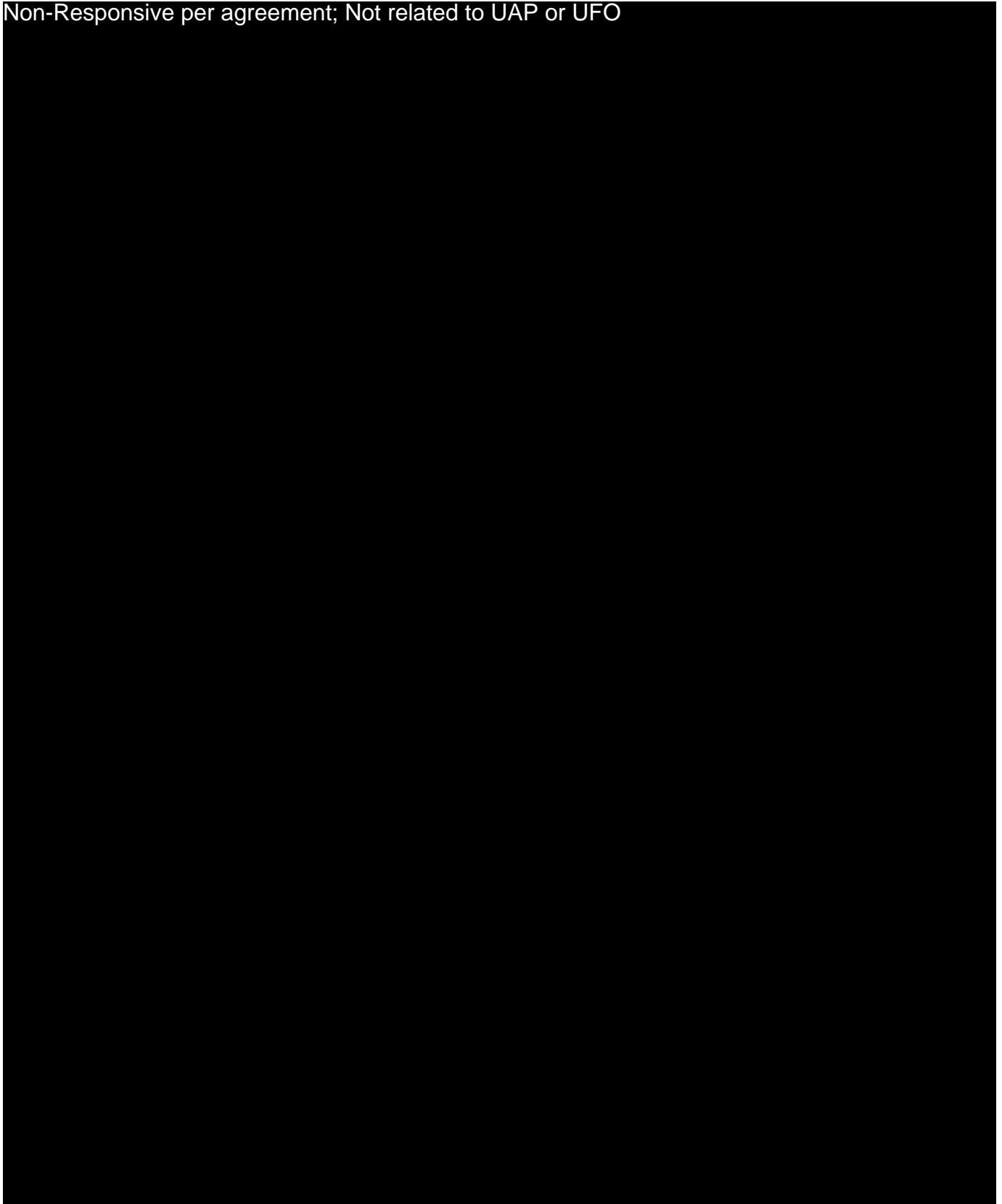




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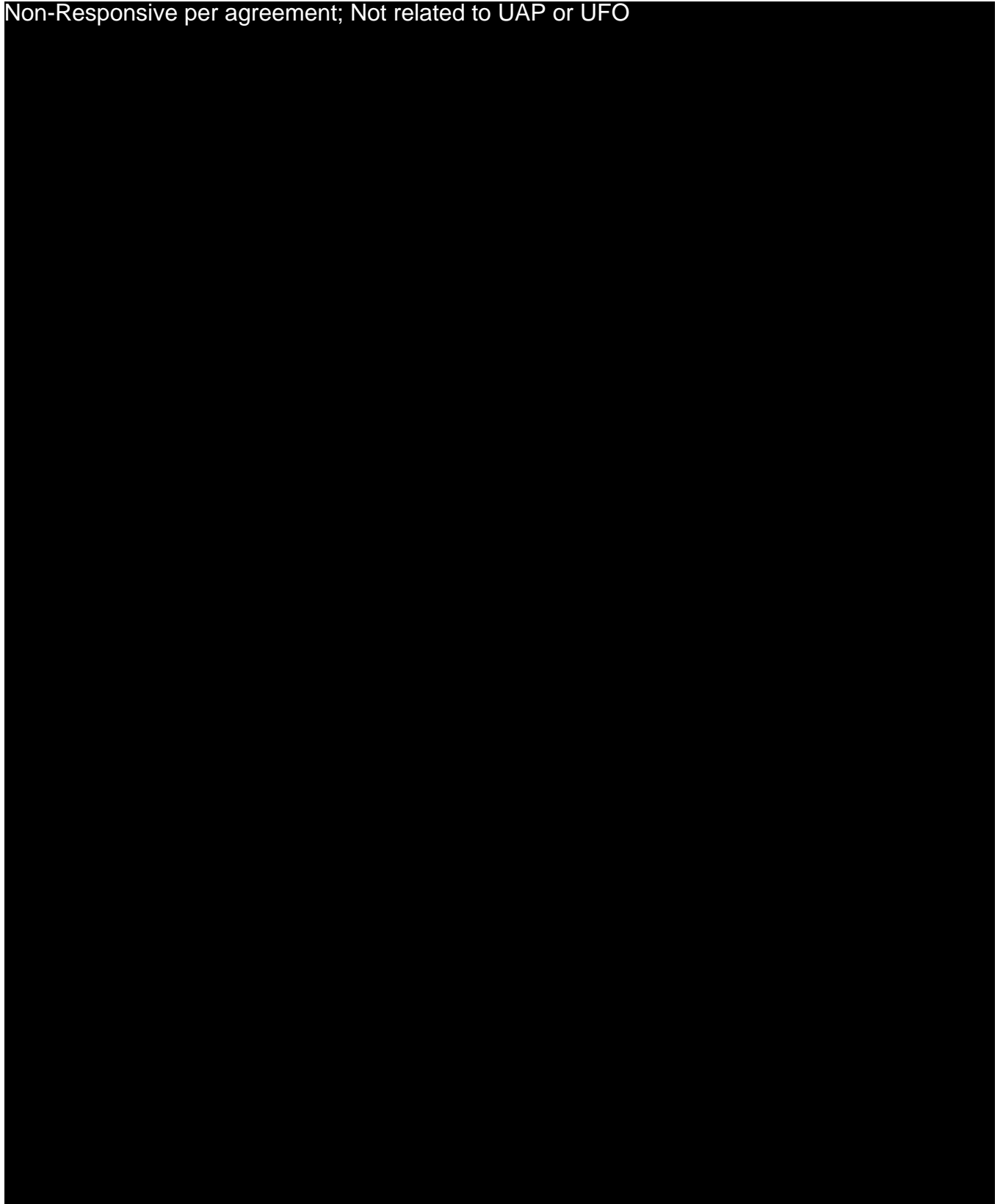




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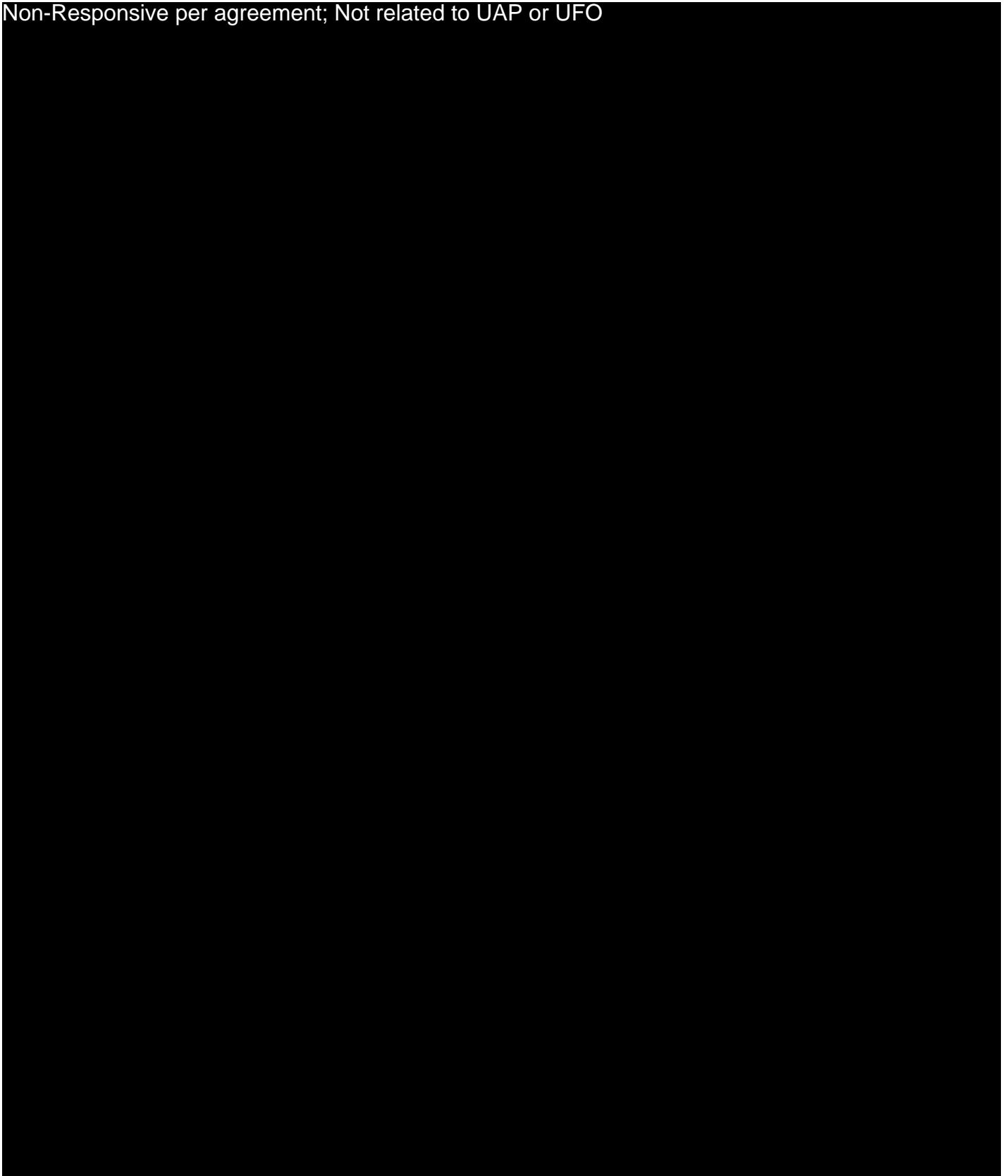




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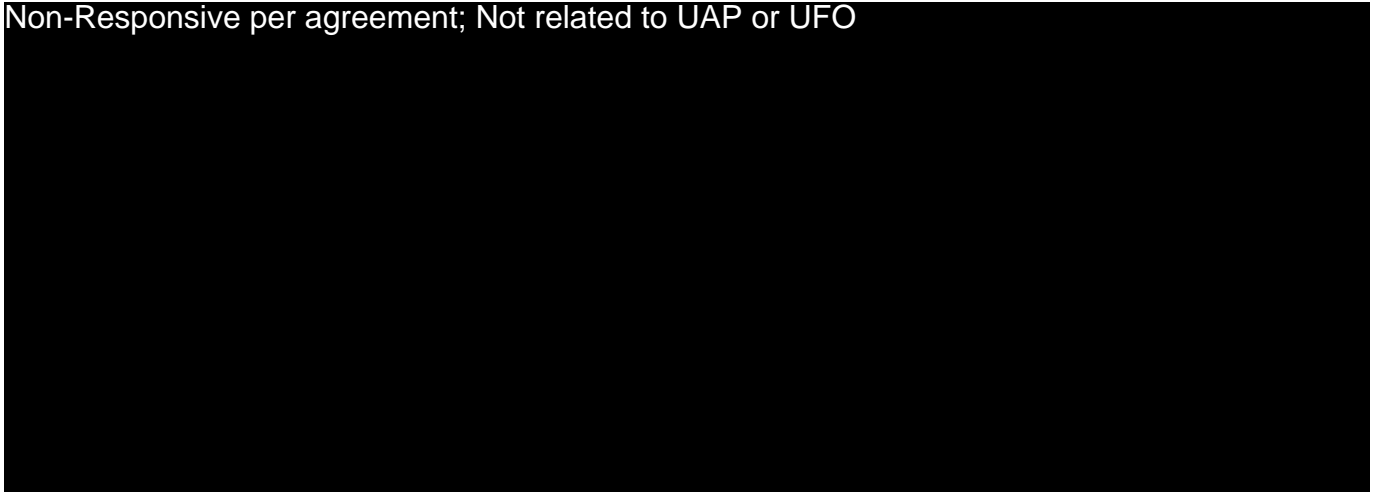




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Updated 6/25/21

Non-Responsive per agreement; Not related to UAP or UFO



From: [Jones, Nancy N. \(GSFC-1300\)](#)
To: [Hautaluoma, Grey \(HQ-NA020\)](#); [Shekhtman, Lonnie \(GSFC-690.0\)](#)[ADNET SYSTEMS INC]
Cc: [Gran, Rani C. \(GSFC-1300\)](#)
Subject: Re: NASA INTERVIEW PREP DOCUMENT - as of 6-25-21 (internal distribution only)
Date: Monday, June 28, 2021 8:05:30 AM

Thanks for sending.

On: 26 June 2021 11:09, "Hautaluoma, Grey (HQ-NA020)" <grey.hautaluoma-1@nasa.gov>
wrote:

Duplicate Email Already Processed

A large black rectangular redaction box covering the body of the email.

From: Beutel, Allard (HQ-NA020) <allard.beutel@nasa.gov>
Sent: Friday, June 25, 2021 11:44 PM
Subject: NASA INTERVIEW PREP DOCUMENT - as of 6-25-21 (internal distribution only)

Duplicate Email Already Processed

A large black rectangular redaction box covering the body of the email.

From: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
To: [Hautaluoma, Grey \(HQ-NA020\)](#)
Cc: [Jones, Nancy N. \(GSFC-1300\)](#); [Gran, Rani C. \(GSFC-1300\)](#)
Subject: Re: NASA INTERVIEW PREP DOCUMENT - as of 6-25-21 (internal distribution only)
Date: Monday, June 28, 2021 8:25:10 AM

Thanks, Grey.

--

Lonnie Shekhtman
Senior Science Writer
Solar System Exploration
NASA's Goddard Space Flight Center
301-614-6833

From: "Hautaluoma, Grey (HQ-NA020)" <grey.hautaluoma-1@nasa.gov>
Date: Saturday, June 26, 2021 at 11:09 AM
To: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>
Cc: "Jones, Nancy N. (GSFC-1300)" <nancy.n.jones@nasa.gov>, "Gran, Rani C. (GSFC-1300)" <rani.c.gran@nasa.gov>
Subject: FW: NASA INTERVIEW PREP DOCUMENT - as of 6-25-21 (internal distribution only)

Duplicate Email Already Processed



From: Beutel, Allard (HQ-NA020) <allard.beutel@nasa.gov>
Sent: Friday, June 25, 2021 11:44 PM
Subject: NASA INTERVIEW PREP DOCUMENT - as of 6-25-21 (internal distribution only)

Duplicate Email Already Processed



From: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
To: (b) (6)
Subject: One more thing: USA TODAY request: Response to Congressional UFO report
Date: Monday, June 28, 2021 12:45:47 PM

Hi Dustin,

Could you please send your Qs?

Thanks!

Lonnie

--

Lonnie Shekhtman
Senior Science Writer
Solar System Exploration
NASA's Goddard Space Flight Center
301-614-6833

----- Forwarded message -----

From: **Kopparapu, Ravi Kumar (GSFC-6990)** <ravikumar.kopparapu@nasa.gov>
Date: Mon, Jun 28, 2021, 12:37 PM
Subject: Re: [EXTERNAL] USA TODAY request: Response to Congressional UFO report
To: Barnes, Dustin <(b) (6)>
Cc: Lonnie Shekhtman <(b) (6)> Gran, Rani C. (GSFC-1300)
<rani.c.gran@nasa.gov>

Hi Dustin,

I am copying our Public Affairs Office representatives, Lonnie Shekhtman and Rani Gran to coordinate. I am available until 5pm today.

Best

Ravi

From: "Barnes, Dustin" <(b) (6)>
Date: Monday, June 28, 2021 at 12:33 PM
To: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>
Subject: [EXTERNAL] USA TODAY request: Response to Congressional UFO report

Good afternoon, Dr. Kopparapu,

I'm a reporter with USA TODAY and am working on a follow up story on the release of the congressional UFO report last Friday.

I wanted to reach out to see if you could talk with me about your perspective on the unclassified findings that were released. If so, I'd love to set up an interview with you over the phone today, or if you prefer, I could send over some questions via email.

Thank you for your time, and I hope to talk soon.

Dustin Barnes
NOW Reporter

(b) (6)

(b) (6)



From: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
To: [Fox, Karen C. \(HQ-1300\)](#)
Cc: [Johnson, Alana R. \(HQ-DG000\)\[ASRC FEDERAL SYSTEM SOLUTIONS\]](#); [Handal, Joshua A. \(HQ-DG000\)\[ASRC FEDERAL SYSTEM SOLUTIONS\]](#); [Jones, Nancy N. \(GSFC-1300\)](#); [Hautaluoma, Grey \(HQ-NA020\)](#)
Subject: Ravi to speak at Aviation Forum
Date: Monday, June 28, 2021 9:32:16 AM
Attachments: [AIAA Session UAP.pdf](#)

Dear UFO team,

Wanted to let you know that in early August Ravi is set to speak at an aviation forum organized by the American Institute of Aeronautics and Astronautics. Topic is: "Advocating for Scientific Study of Unidentified Aerial Phenomenon – Technical Perspective with focus on Aviation Safety." He's talking about the history of the scientific study of UAPs.

More info about the panel is attached.

He was really adamant with the organizer that no alien or conspiracy talk would be tolerated, and the organizer of the panel has made this a rule among the speakers – all of whom are from legit orgs.

He's ready for media to be there and ready for their speculative Qs.

Is this cool with you?

Thanks,
Lonnie

--

Lonnie Shekhtman
Senior Science Writer
Solar System Exploration
NASA's Goddard Space Flight Center
301-614-6833

Title: Advocating for Scientific Study of Unidentified Aerial Phenomenon – Technical Perspective with focus on Aviation Safety

Venue: (Virtual) AIAA Aviation, Friday Aug 6th 2021 (11:15 am - 3:45 pm; EST)

Sponsored by: Design Engineering Technical Committee

The proposed technical panel will have an individual presentation format, and will advocate for an unbiased, agnostic scientific study into the Unidentified Aerial Phenomenon (UAP). This session is inspired by a series of updates that occurred during 2020-21: release of videos from the U.S. Navy, Advanced Aerospace Threat Identification Program (AATIP), upcoming UAP Task Force report. The topics presented during this discussion will include: Physics of UAP, Impact on air travel safety, Technical analysis of encounters, Challenges in explaining the phenomenon; Proposed approach for further study.

The technical presentations will be based on observations made from the unclassified release of videos, radar observations and experiments performed.

The following are the objectives and why research into UAP should be of interest to AIAA community:

- 1) There have been multiple cases of this phenomenon violating restricted airspace and being in proximity during flight as reported by pilots. Research is required to at least predict this phenomenon, and ensure safer airspace.
- 2) Due to the novel nature in studying this phenomenon, normalizing this once stigmatized element through sessions as through this panel is essential to hold technical forums and arrive at decisions that identify areas where to begin and focus research.
- 3) The panel that comprises physicists and engineers highlights the multifaceted nature of this phenomenon that manifests in the Aviation domain. Therefore, the term ‘Unidentified’ to such a phenomenon is a challenge to the technical prowess of the AIAA community.

Furthermore, investigation into UAP is not new to AIAA. The organization did have a dedicated subcommittee, ‘UFO Subcommittee of the AIAA’ during 1970s. The following reports were generated on this topic by this subcommittee.

Reports:

- 1) UFO Encounter 1, Sample Case Selected by the UFO Subcommittee of the AIAA (July 1971).
- 2) Appraisal of the UFO Problem, UFO Subcommittee of the AIAA (November 1970)

During this panel, there will be **no** speculations on the actors or fringe theories behind this phenomenon. No media publicity nor extra-advertising will be given for this session.

The panel will include five oral presentations, 15-20 minutes each, with 10 minutes questions. The following are the proposed presenters (subject to change):

1. Dr. Ravi Kopparapu, Planetary Scientist, NASA Goddard Space Flight Center
TOPIC: Science of UAPs – Past and Present
Email: ravikumar.kopparapu@nasa.gov
2. Dr. Kevin Knuth, Dept of Physics, University at Albany (Editor in Chief - Entropy Journal, former Nasa Ames Research Scientist)
TOPIC: Physics of UAP
Email: (b) (6)

3. Peter Reali - Scientific Coalition of UAP Studies (Retired Electrical Engineer (Silicon Valley); BSE/MSEE from University of California, Berkley)
TOPIC: Technical Analysis of the USS Nimitz 2004 Encounter
Email: (b) (6)
4. Ted Roe, Director of Research, National Aviation Reporting Center on Anomalous Phenomenon—NARCAP
TOPIC: Impact on Safety of Air Travel
Email: (b) (6)
5. Philippe Ailleris, Project Controller, Space Research and Technology Center, European Space Agency
TOPIC: European Efforts to Study the UAP
Email: (b) (6)

From: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
To: [Fox, Karen C. \(HQ-1300\)](#); [Handal, Joshua A. \(HQ-DG000\)\[ASRC FEDERAL SYSTEM SOLUTIONS\]](#)
Cc: [Hautaluoma, Grey \(HQ-NA020\)](#); [Gutro, Rob \(GSFC-1300\)](#); [Jones, Nancy N. \(GSFC-1300\)](#)
Subject: Re: USA TODAY request: Response to Congressional UFO report
Date: Monday, June 28, 2021 1:50:49 PM

Thanks, Karen. We're going to pass, too.

Lonnie

--

Lonnie Shekhtman
Senior Science Writer
Solar System Exploration
NASA's Goddard Space Flight Center
301-614-6833

From: "Fox, Karen C. (HQ-1300)" <karen.c.fox@nasa.gov>
Date: Monday, June 28, 2021 at 2:38 PM
To: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>, "Handal, Joshua A. (HQ-DG000)[ASRC FEDERAL SYSTEM SOLUTIONS]" <joshua.a.handal@nasa.gov>
Cc: "Hautaluoma, Grey (HQ-NA020)" <grey.hautaluoma-1@nasa.gov>, "Gutro, Rob (GSFC-1300)" <robert.j.gutro@nasa.gov>, "Jones, Nancy N. (GSFC-1300)" <nancy.n.jones@nasa.gov>
Subject: Re: USA TODAY request: Response to Congressional UFO report

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Requester: John Greenewald

Request #: 23-00084-F-GSFC

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From: [Hautaluoma, Grey \(HQ-NA020\)](#)
To: [Fox, Karen C. \(HQ-1300\)](#); [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#); [Handal, Joshua A. \(HQ-DG000\)\[ASRC FEDERAL SYSTEM SOLUTIONS\]](#)
Cc: [Gutro, Rob \(GSFC-1300\)](#); [Jones, Nancy N. \(GSFC-1300\)](#)
Subject: RE: USA TODAY request: Response to Congressional UFO report
Date: Monday, June 28, 2021 2:14:32 PM

We could try to do this written as well. He notes that in the trail, although maybe he didn't mean the whole interview, since he sent questions.

From: Fox, Karen C. (HQ-1300) <karen.c.fox@nasa.gov>
Sent: Monday, June 28, 2021 2:38 PM
To: Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC] <lonnie.shekhtman@nasa.gov>; Handal, Joshua A. (HQ-DG000)[ASRC FEDERAL SYSTEM SOLUTIONS] <joshua.a.handal@nasa.gov>
Cc: Hautaluoma, Grey (HQ-NA020) <grey.hautaluoma-1@nasa.gov>; Gutro, Rob (GSFC-1300) <robert.j.gutro@nasa.gov>; Jones, Nancy N. (GSFC-1300) <nancy.n.jones@nasa.gov>
Subject: Re: USA TODAY request: Response to Congressional UFO report

a. (b) (5)

b.

I think that if, and only if, you think (b) (5)

(b) (5)

(b) (5)

– you could respond with something like:

“As the report was not ours, we are not able to comment on the report in any way. NASA is the government entity that searches for extraterrestrial life in space, and if you want to hear more about our research there, we're happy to provide an interview.”

Thanks,
Karen

--

Karen C. Fox
Senior Science Communications Officer
Office of Communications

From: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>
Date: Monday, June 28, 2021 at 2:08 PM
To: "Fox, Karen C. (HQ-1300)" <karen.c.fox@nasa.gov>, "Handal, Joshua A. (HQ-DG000)[ASRC FEDERAL SYSTEM SOLUTIONS]" <joshua.a.handal@nasa.gov>
Cc: "Hautaluoma, Grey (HQ-NA020)" <grey.hautaluoma-1@nasa.gov>, "Gutro, Rob (GSFC-1300)" <robert.j.gutro@nasa.gov>, "Jones, Nancy N. (GSFC-1300)" <nancy.n.jones@nasa.gov>

Subject: Re: USA TODAY request: Response to Congressional UFO report

It's very much report details focused:

- The government can't explain 143 of the 144 cases reported by military officials. Could further development of a reporting system help scientists/researchers better identify these UAPs? And could that also help remove some of the stigma attached to reporting a UFO/UAP that's mentioned in this report?
- This report did not rule out extraterrestrial life. And there were 18 UAP incidents mentioned that appeared to demonstrate "advanced technology." These are some of the areas where enthusiasts may point to as proof of alien life. Are there other key points in this report's findings that may support their hopes?
- What do you see as the biggest revelations in this report? Where do you think the government should go from here in regards to its awareness and communication of UAPs?

--

Lonnie Shekhtman
Senior Science Writer
Solar System Exploration
NASA's Goddard Space Flight Center
301-614-6833

From: "Fox, Karen C. (HQ-1300)" <karen.c.fox@nasa.gov>

Date: Monday, June 28, 2021 at 2:03 PM

To: "Handal, Joshua A. (HQ-DG000)[ASRC FEDERAL SYSTEM SOLUTIONS]" <joshua.a.handal@nasa.gov>, "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>

Cc: "Hautaluoma, Grey (HQ-NA020)" <grey.hautaluoma-1@nasa.gov>, "Gutro, Rob (GSFC-1300)" <robert.j.gutro@nasa.gov>, "Jones, Nancy N. (GSFC-1300)" <nancy.n.jones@nasa.gov>

Subject: Re: USA TODAY request: Response to Congressional UFO report

Thanks, all! And since it's USA Today, I WILL ask the administrator's team if he wants it.

Had conversations with Lonnie on Friday about how (b) (5)
(b) (5)

So – until we hear back from Lonnie on additional scope – (b) (5)
(b) (5)

Thanks,
Karen

--

Karen C. Fox
Senior Science Communications Officer
Office of Communications

From: "Handal, Joshua A. (HQ-DG000)[ASRC FEDERAL SYSTEM SOLUTIONS]"
<joshua.a.handal@nasa.gov>
Date: Monday, June 28, 2021 at 1:43 PM
To: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>,
"Fox, Karen C. (HQ-1300)" <karen.c.fox@nasa.gov>
Cc: "Hautaluoma, Grey (HQ-NA020)" <grey.hautaluoma-1@nasa.gov>, "Gutro, Rob (GSFC-1300)" <robert.j.gutro@nasa.gov>, "Jones, Nancy N. (GSFC-1300)" <nancy.n.jones@nasa.gov>
Subject: RE: USA TODAY request: Response to Congressional UFO report

Thanks, Lonnie. Can you please follow up with the reporter and ask for initial questions to better understand the interview scope? That would be helpful before determining how to best proceed.
Thanks!

From: Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC] <lonnie.shekhtman@nasa.gov>
Sent: Monday, June 28, 2021 1:38 PM
To: Fox, Karen C. (HQ-1300) <karen.c.fox@nasa.gov>
Cc: Hautaluoma, Grey (HQ-NA020) <grey.hautaluoma-1@nasa.gov>; Gutro, Rob (GSFC-1300) <robert.j.gutro@nasa.gov>; Jones, Nancy N. (GSFC-1300) <nancy.n.jones@nasa.gov>; Handal, Joshua A. (HQ-DG000)[ASRC FEDERAL SYSTEM SOLUTIONS] <joshua.a.handal@nasa.gov>
Subject: Re: USA TODAY request: Response to Congressional UFO report

Copying in Josh. Sorry, Josh!

--

Lonnie Shekhtman
Senior Science Writer
Solar System Exploration
NASA's Goddard Space Flight Center
301-614-6833

From: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]"
<lonnie.shekhtman@nasa.gov>
Date: Monday, June 28, 2021 at 12:48 PM

To: "Fox, Karen C. (HQ-1300)" <karen.c.fox@nasa.gov>

Cc: "Hautaluoma, Grey (HQ-NA020)" <grey.hautaluoma-1@nasa.gov>, "Gutro, Rob (GSFC-1300)" <robert.j.gutro@nasa.gov>, "Jones, Nancy N. (GSFC-1300)" <nancy.n.jones@nasa.gov>

Subject: USA TODAY request: Response to Congressional UFO report

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From: **Kopparapu, Ravi Kumar (GSFC-6990)** <ravikumar.kopparapu@nasa.gov>

Date: Mon, Jun 28, 2021, 12:37 PM

Subject: Re: [EXTERNAL] USA TODAY request: Response to Congressional UFO report

To: Barnes, Dustin <(b) (6)>

Cc: Lonnie Shekhtman <(b) (6)> Gran, Rani C. (GSFC-1300)
<rani.c.gran@nasa.gov>

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Requester: John Greenewald

Request #: 23-00084-F-GSFC

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From: [Jones, Nancy N. \(GSFC-1300\)](#)
To: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
Subject: Re: USA TODAY request: Response to Congressional UFO report
Date: Monday, June 28, 2021 12:02:29 PM

Let's see what Grey and HQ say. Please add Josh Handal to the UFO emails. He's filling in for Alana.

--

*Nancy Neal Jones
Senior Communications Manager
Solar System Exploration Division
NASA's Goddard Space Flight Center
Office of Communications
Nancy.N.Jones@nasa.gov*

From: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]"
<lonnie.shekhtman@nasa.gov>
Date: Monday, June 28, 2021 at 12:48 PM
To: "Fox, Karen C. (HQ-1300)" <karen.c.fox@nasa.gov>
Cc: "Hautaluoma, Grey (HQ-NA020)" <grey.hautaluoma-1@nasa.gov>, Robert {Rob} Gutro
<robert.j.gutro@nasa.gov>, "Nancy N. Jones" <nancy.n.jones@nasa.gov>
Subject: USA TODAY request: Response to Congressional UFO report

Hi team,

Should we do USA Today or does HQ want it?

Lonnie

--

Lonnie Shekhtman
Senior Science Writer
Solar System Exploration
NASA's Goddard Space Flight Center
301-614-6833

----- Forwarded message -----

From: **Kopparapu, Ravi Kumar (GSFC-6990)** <ravikumar.kopparapu@nasa.gov>
Date: Mon, Jun 28, 2021, 12:37 PM
Subject: Re: [EXTERNAL] USA TODAY request: Response to Congressional UFO report
To: Barnes, Dustin <(b) (6)>

Cc: Lonnie Shekhtman <(b) (6)> Gran, Rani C. (GSFC-1300)
<rani.c.gran@nasa.gov>

Hi Dustin,

I am copying our Public Affairs Office representatives, Lonnie Shekhtman and Rani Gran to coordinate. I am available until 5pm today.

Best

Ravi

From: "Barnes, Dustin" <(b) (6)>
Date: Monday, June 28, 2021 at 12:33 PM
To: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>
Subject: [EXTERNAL] USA TODAY request: Response to Congressional UFO report

Good afternoon, Dr. Kopparapu,

I'm a reporter with USA TODAY and am working on a follow up story on the release of the congressional UFO report last Friday.

I wanted to reach out to see if you could talk with me about your perspective on the unclassified findings that were released. If so, I'd love to set up an interview with you over the phone today, or if you prefer, I could send over some questions via email.

Thank you for your time, and I hope to talk soon.

Dustin Barnes
NOW Reporter

(b) (6)

(b) (6)



From: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
To: (b) (6)
Subject: FW: [EXTERNAL] Press Inquiry
Date: Tuesday, June 29, 2021 8:19:00 AM

Dear Steven,

Ravi forwarded your email to me, as I am handling his media queries. I just wanted to point out that just because the objects are unidentified, doesn't mean they're aliens. It means scientists need to investigate further to figure out what they are. If you are interested in life beyond Earth, you can read about NASA's search here: <https://www.nasa.gov/feature/faq-unidentified-aerial-phenomena-uapsufos>

Take care,
Lonnie Shekhtman
NASA's Goddard Space Flight Center

From: Steven Hall <(b) (6)>
Date: Tuesday, June 29, 2021 at 8:33 AM
To: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>
Subject: [EXTERNAL] Press Inquiry

Hello I'm a reporter for the Daily Caller and I'm doing a story on the recent UFO report published Friday, I saw your comments in the Space.com article. How concerned should Americans be about the possibility these UFOs could be aliens?

From: [Gutro, Rob \(GSFC-1300\)](#)
To: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
Subject: Re: Media request "UFO" report
Date: Tuesday, June 29, 2021 1:52:44 PM

Thank you so much!
Rob

Rob Gutro (he/him)
Deputy News Chief, Office of Communications
NASA Goddard Space Flight Center, Greenbelt, Md.
Robert.J.Gutro@nasa.gov Tel. 301-286-4044
Cell: (b) (6) /Newsroom: 301-286-8955
NASA Goddard: www.nasa.gov/goddard /

From: Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC] <lonnie.shekhtman@nasa.gov>
Sent: Tuesday, June 29, 2021 2:40 PM
To: Gutro, Rob (GSFC-1300) <robert.j.gutro@nasa.gov>
Subject: Re: Media request "UFO" report

Hi Rob,

The interview happened. It went well. Story should be out online later this month.

Thanks,
Lonnie

--

Lonnie Shekhtman
Senior Science Writer
Solar System Exploration
NASA's Goddard Space Flight Center
301-614-6833

From: "Gutro, Rob (GSFC-1300)" <robert.j.gutro@nasa.gov>
Date: Monday, June 28, 2021 at 10:30 AM

To: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>

Subject: Re: Media request "UFO" report

Thank you, Lonnie!

I've noted the re-interview coming up tomorrow, June 29th with Ravi and the Nat'l Geo person.

Please let me know if it happens.

Thanks!

Rob

Rob Gutro (he/him)

Deputy News Chief, Office of Communications

NASA Goddard Space Flight Center, Greenbelt, Md.

Robert.J.Gutro@nasa.gov Tel. 301-286-4044

Cell: (b) (6) /Newsroom: 301-286-8955

NASA Goddard: www.nasa.gov/goddard/

From: Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC] <lonnie.shekhtman@nasa.gov>

Sent: Monday, June 28, 2021 10:07 AM

To: Fox, Karen C. (HQ-1300) <karen.c.fox@nasa.gov>; Handal, Joshua A. (HQ-DG000)[ASRC FEDERAL SYSTEM SOLUTIONS] <joshua.a.handal@nasa.gov>

Cc: Gran, Rani C. (GSFC-1300) <rani.c.gran@nasa.gov>; Hautaluoma, Grey (HQ-NA020) <grey.hautaluoma-1@nasa.gov>; Gutro, Rob (GSFC-1300) <robert.j.gutro@nasa.gov>; Jones, Nancy N. (GSFC-1300) <nancy.n.jones@nasa.gov>

Subject: Re: Media request "UFO" report

Good morning, UFO team,

The weekend was pretty quiet. I think the anticipating of the report was more exciting than the actual thing. Report summary, courtesy of Ravi:

We need more systematic collection of data, we need more resources, it should be scientifically studied, stigma should be removed, some of these are real objects, some could be clutter, and some could be unexplained. I am glad to see that the focus is on data collection and I really like that there was no speculation about their nature.

Regarding media inquiries:

+ Ravi had already been in touch with Jill K. Robinson, a freelancer who's writing about the report for Natl Geo Traveler. She followed up after the report came out and they agreed to talk June 29.

+ Leonard David, blogger and freelancer writer, reached out for email comment. Ravi responded basically with the summary I sent above.

+ Some lawyer reached out for comment for I don't know what publication, but we declined that one.

Will send more updates this week as they come in ...

Great NASA.gov FAQ on the topic! Ravi's been sending it to people who reach out.

Lonnie

--

Lonnie Shekhtman
Senior Science Writer
Solar System Exploration
NASA's Goddard Space Flight Center
301-614-6833

From: "Fox, Karen C. (HQ-1300)" <karen.c.fox@nasa.gov>

Date: Wednesday, June 23, 2021 at 12:21 PM

To: "Gran, Rani C. (GSFC-1300)" <rani.c.gran@nasa.gov>, "Johnson, Alana R. (HQ-DG000) [ASRC FEDERAL SYSTEM SOLUTIONS]" <alana.r.johnson@nasa.gov>, "Handal, Joshua A. (HQ-DG000)[ASRC FEDERAL SYSTEM SOLUTIONS]" <joshua.a.handal@nasa.gov>

Cc: "Hautaluoma, Grey (HQ-NA020)" <grey.hautaluoma-1@nasa.gov>, "Gutro, Rob (GSFC-1300)" <robert.j.gutro@nasa.gov>, "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>, "Jones, Nancy N. (GSFC-1300)" <nancy.n.jones@nasa.gov>

Subject: Re: Media request "UFO" report

Fine for Ravi to take this one. Thanks!

--

Karen C. Fox
Senior Science Communications Officer
Office of Communications

From: "Gran, Rani C. (GSFC-1300)" <rani.c.gran@nasa.gov>

Date: Wednesday, June 23, 2021 at 12:10 PM

To: "Johnson, Alana R. (HQ-DG000)[ASRC FEDERAL SYSTEM SOLUTIONS]" <alana.r.johnson@nasa.gov>, "Fox, Karen C. (HQ-1300)" <karen.c.fox@nasa.gov>, "Handal, Joshua A. (HQ-DG000)[ASRC FEDERAL SYSTEM SOLUTIONS]" <joshua.a.handal@nasa.gov>
Cc: "Hautaluoma, Grey (HQ-NA020)" <grey.hautaluoma-1@nasa.gov>, "Gutro, Rob (GSFC-1300)" <robert.j.gutro@nasa.gov>, "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>, "Jones, Nancy N. (GSFC-1300)" <nancy.n.jones@nasa.gov>
Subject: Media request "UFO" report

Hey there,

Christine wants to interview someone on UFO's Thursday afternoon. Ravi can take this. We are also happy to give this to hq.

Rani

--

Rani C. Gran
Office of Communications
Mail Code 420, B36, S470
NASA Goddard Space Flight Center
Greenbelt, MD. 20771
Work Cell : (b) (6)
Phone: 301-286-2483

"If we amplify everything, we hear nothing," Jon Stewart.

From: Christine Schiffner <(b) (6)>
Date: Tuesday, June 22, 2021 at 2:35 PM
To: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>
Cc: Rani Gran <rani.c.gran@nasa.gov>, "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>
Subject: Re: [EXTERNAL] upcoming "UFO" report

Duplicate Email - Released in 21-HQ-F-00603



From: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
To: [Jill Robinson](#)
Subject: Re: [EXTERNAL] Media query for National Geographic on upcoming UFO/UAP report
Date: Tuesday, June 29, 2021 9:21:31 AM

Thanks so much. Great Qs.

--

Lonnie Shekhtman
Senior Science Writer
Solar System Exploration
NASA's Goddard Space Flight Center
301-614-6833

From: Jill Robinson <(b) (6)>
Date: Tuesday, June 29, 2021 at 10:15 AM
To: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>
Subject: Re: [EXTERNAL] Media query for National Geographic on upcoming UFO/UAP report

Hi Lonnie,

Here are the questions:

- * Now that the study has been released, one thing that's clear is that there are no simple answers. Do you have thoughts about what these sightings might actually be, and how do you suggest we proceed with analyzing the data to move forward? (How should we be looking at this information?)
- * Why do you think there's a cultural phenomenon of "extraterrestrial hot spots"? Do you think any of the sightings and their locations raise important scientific questions or do you find any of them interesting as a theory?
- * Acknowledging that extraordinary claims require extraordinary evidence, how can we recalibrate our expectations in a more scientific way with regard to UAP/UFO?
- * Do you think our realization that we may not be alone in the universe may give us a more cohesive understanding of ourselves as a species and our planet as an ecosystem among others (perhaps leading us to take more care with what we already have)?

I look forward to talking later.

-jill

Jill K. Robinson
Traveling Writer
Clips: dangerjillrobinson.com/writing
IG and Twitter: @dangerjr

Pronouns: she/her

On Tue, Jun 29, 2021 at 6:26 AM Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]
<lonnie.shekhtman@nasa.gov> wrote:

Hi Jill,

We're looking forward to chatting with you later this morning. I know it's very early where you are, but if you get a chance before the interview with Ravi, could you please send us the Qs in advance?

Thanks so much,
Lonnie

--

Lonnie Shekhtman
Senior Science Writer
Solar System Exploration
NASA's Goddard Space Flight Center
301-614-6833

From: Jill Robinson <(b) (6)>
Date: Friday, June 25, 2021 at 8:43 PM
To: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>
Cc: Lonnie Shekhtman <(b) (6)> "Gran, Rani C. (GSFC-1300)" <rani.c.gran@nasa.gov>, "Hautaluoma, Grey (HQ-NA020)" <grey.hautaluoma-1@nasa.gov>, "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>
Subject: Re: [EXTERNAL] Media query for National Geographic on upcoming UFO/UAP report

Duplicate Email - Released in 21-HQ-F-00603

Deletion Page

Requester: John Greenewald

Request #: 23-00084-F-GSFC

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From: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
To: [Johnson, Alana R. \(HQ-DG000\)\[ASRC FEDERAL SYSTEM SOLUTIONS\]](#); [Handal, Joshua A. \(HQ-DG000\)\[ASRC FEDERAL SYSTEM SOLUTIONS\]](#); [Hautaluoma, Grey \(HQ-NA020\)](#); [Jones, Nancy N. \(GSFC-1300\)](#); [Gran, Rani C. \(GSFC-1300\)](#); [Fox, Karen C. \(HQ-1300\)](#)
Subject: Update re: Ravi media
Date: Wednesday, July 7, 2021 2:25:28 PM

Hi all,

I'm still filling in for Rani while she's out, so wanted to share just a couple of Ravi-related media updates. The UFO story has really died down. Now Ravi is back to talking about technosignatures and such.

+ We just talked to a reporter from Inverse who's writing about signals of quantum communication from possible extraterrestrial civilizations.

+ On Thursday, Ravi is talking to Dave Appell from Physics World mag about biosignatures and (mostly) technosignatures.

Best,
Lonnie

--

Lonnie Shekhtman
Senior Science Writer
Solar System Exploration
NASA's Goddard Space Flight Center
301-614-6833

From: [Gutro, Rob \(GSFC-1300\)](#)
To: [Fox, Karen C. \(HQ-1300\)](#); [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#); [Jones, Nancy N. \(GSFC-1300\)](#); [Handal, Joshua A. \(HQ-DG000\)\[ASRC FEDERAL SYSTEM SOLUTIONS\]](#); [Gran, Rani C. \(GSFC-1300\)](#)
Subject: Now on SHAREPOINT and Goddard calendars Ravi & Rochester NPR
Date: Thursday, July 8, 2021 9:37:36 AM

Hi all - I've posted this NPR, Rochester, NY interview date with Ravi on Sharepoint, the Goddard and Goddard Newsroom calendars.
Rob

From: Fox, Karen C. (HQ-1300) <karen.c.fox@nasa.gov>
Sent: Wednesday, July 7, 2021 5:19 PM
To: Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC] <lonnie.shekhtman@nasa.gov>; Gran, Rani C. (GSFC-1300) <rani.c.gran@nasa.gov>; Johnson, Alana R. (HQ-DG000)[ASRC FEDERAL SYSTEM SOLUTIONS] <alana.r.johnson@nasa.gov>; Jones, Nancy N. (GSFC-1300) <nancy.n.jones@nasa.gov>; Hautaluoma, Grey (HQ-NA020) <grey.hautaluoma-1@nasa.gov>; Handal, Joshua A. (HQ-DG000) [ASRC FEDERAL SYSTEM SOLUTIONS] <joshua.a.handal@nasa.gov>
Cc: Gutro, Rob (GSFC-1300) <robert.j.gutro@nasa.gov>
Subject: Re: Ravi & Rochester NPR

Duplicate Email Already Processed



Deletion Page

Requester: John Greenewald

Request #: 23-00084-F-GSFC

3 page(s) containing duplicate information
is/are held in the file.

From: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
To: [Gutro, Rob \(GSFC-1300\)](#); [Fox, Karen C. \(HQ-1300\)](#); [Jones, Nancy N. \(GSFC-1300\)](#); [Hautaluoma, Grey \(HQ-NA020\)](#); [Handal, Joshua A. \(HQ-DG000\)\[ASRC FEDERAL SYSTEM SOLUTIONS\]](#)
Subject: Re: Is this JULY 14th? or did it happen in June? Ravi & Rochester NPR
Date: Thursday, July 8, 2021 8:15:05 AM

July! Thank you.

--

Lonnie Shekhtman
Senior Science Writer
Solar System Exploration
NASA's Goddard Space Flight Center
301-614-6833

From: "Gutro, Rob (GSFC-1300)" <robert.j.gutro@nasa.gov>
Date: Wednesday, July 7, 2021 at 7:25 PM
To: "Fox, Karen C. (HQ-1300)" <karen.c.fox@nasa.gov>, "Shekhtman, Lonnie (GSFC-690.0) [ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>, "Jones, Nancy N. (GSFC-1300)" <nancy.n.jones@nasa.gov>, "Hautaluoma, Grey (HQ-NA020)" <grey.hautaluoma-1@nasa.gov>, "Handal, Joshua A. (HQ-DG000)[ASRC FEDERAL SYSTEM SOLUTIONS]" <joshua.a.handal@nasa.gov>
Subject: Is this JULY 14th? or did it happen in June? Ravi & Rochester NPR

Hi all - This says JUNE, and it's July. Did this NPR interview happen, or is it happening on July 14th?

If it will happen on July 14, I will put it on the Sharepoint Calendar. Just need to verify.

Thanks
Rob

From: Fox, Karen C. (HQ-1300) <karen.c.fox@nasa.gov>
Sent: Wednesday, July 7, 2021 5:19 PM
To: Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC] <lonnie.shekhtman@nasa.gov>; Gran, Rani C. (GSFC-1300) <rani.c.gran@nasa.gov>; Johnson, Alana R. (HQ-DG000)[ASRC FEDERAL SYSTEM SOLUTIONS] <alana.r.johnson@nasa.gov>; Jones, Nancy N. (GSFC-1300) <nancy.n.jones@nasa.gov>; Hautaluoma, Grey (HQ-NA020) <grey.hautaluoma-1@nasa.gov>; Handal, Joshua A. (HQ-DG000) [ASRC FEDERAL SYSTEM SOLUTIONS] <joshua.a.handal@nasa.gov>
Cc: Gutro, Rob (GSFC-1300) <robert.j.gutro@nasa.gov>

Subject: Re: Ravi & Rochester NPR

No concerns! But do please make sure it's on sharepoint. Oh, and, it goes without saying, but I'll say it anyway – please remind him not to offer comments on the Pentagon report. . .

Thanks,
Karen

--

Karen C. Fox
Senior Science Communications Officer
Office of Communications

From: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]"
<lonnie.shekhtman@nasa.gov>

Date: Wednesday, July 7, 2021 at 4:27 PM

To: "Gran, Rani C. (GSFC-1300)" <rani.c.gran@nasa.gov>, "Johnson, Alana R. (HQ-DG000) [ASRC FEDERAL SYSTEM SOLUTIONS]" <alana.r.johnson@nasa.gov>, "Jones, Nancy N. (GSFC-1300)" <nancy.n.jones@nasa.gov>, "Hautaluoma, Grey (HQ-NA020)" <grey.hautaluoma-1@nasa.gov>, "Handal, Joshua A. (HQ-DG000)[ASRC FEDERAL SYSTEM SOLUTIONS]" <joshua.a.handal@nasa.gov>, "Fox, Karen C. (HQ-1300)" <karen.c.fox@nasa.gov>

Cc: "Gutro, Rob (GSFC-1300)" <robert.j.gutro@nasa.gov>

Subject: Ravi & Rochester NPR

Hi all,

Another recent development to share. The below-referenced NPR show "Connections" is scheduled for June 14. This is a mid-day, call-in talk show on Rochester's NPR. Ravi is one of three guests – the others are his colleagues from other institutions. Here's the slant of the show, according to the host, Evan Dawson:

"The goal of the conversation is to discuss what we have learned -- or not learned -- about the search for intelligent life. The recent reporting (thanks a whole lot, 60 Minutes) has sparked a flood of interest in the subject. I'm not sure all of it is particularly healthy. My own bias is that the vast numbers confronting us make it very likely that there is or has been technologically advanced life elsewhere -- but we need something truly extraordinary to declare that we have glimpsed it. A bug on the lens of a camera is not exactly it."

This is an opportunity for Ravi to talk about his work. I think he'll be great.

Let me know if you have any concerns.

Thanks,
Lonnie

--

Lonnie Shekhtman
Senior Science Writer
Solar System Exploration
NASA's Goddard Space Flight Center
301-614-6833

From: "Gran, Rani C. (GSFC-1300)" <rani.c.gran@nasa.gov>
Date: Tuesday, June 22, 2021 at 9:02 AM
To: "Johnson, Alana R. (HQ-DG000)[ASRC FEDERAL SYSTEM SOLUTIONS]" <alana.r.johnson@nasa.gov>, "Jones, Nancy N. (GSFC-1300)" <nancy.n.jones@nasa.gov>, "Hautaluoma, Grey (HQ-NA020)" <grey.hautaluoma-1@nasa.gov>, "Handal, Joshua A. (HQ-DG000)[ASRC FEDERAL SYSTEM SOLUTIONS]" <joshua.a.handal@nasa.gov>
Cc: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>, "Gutro, Rob (GSFC-1300)" <robert.j.gutro@nasa.gov>
Subject: New Media requests on UFOs

Please check out two new media requests UFO/UAP. Christine Schiffner wants to interview Ravi tomorrow.

New Requests:

Evan Dawson is the host of Connections, an NPR talk show in Rochester, NY. He wants to talk to Ravi and a couple of other scientists about UFOs and NASA's search for life. I'm trying to collect more specifics about this show. Here is a link to the podcasts

<https://www.npr.org/podcasts/389236520/connections-with-evan-dawson>

6/21 Christine Schiffner (b) (6) A DC-based producer for Germany's TV network ARD. ARD is a public channel similar to PBS here in the US. She wants to talk to Ravi about his Scientific American Article and UFOs and UAVs either Wednesday or Thursday.

Scheduled today

6/22 10 am, David Sloan, Antwort, German Broadcasting company. He is writing a story to understand what it means for the scientific study of UAP/UFO and explaining how the general public should view this subject now, with the taboo is starting to shrink. Also, what does it mean for the study of the habitability of other planets and potential life in other solar systems/planets/ect. When the report is made public and whatever parts are not redacted, what will be NASA's interest be in studying this subject.

This is the broad scope of what we are looking for in the story. We welcome any other input that will help move the story along.

He is sending a camera crew to the visitor center. I've already coordinated this with VC team.

Completed Interviews

6/21 12:00 p.m. EST Zoom interview with the Space Channel's Christopher Tolve
<(b) (6)> (Completed)

6/21 at 2:00 PM. We will tape an interview with Ravi in Goddard's TV studio about NASA's efforts to search for life in our solar system for the Science Channel. The interview will air during a live national television event about Unidentified Aerial Phenomena (UAP) for DISCOVERY NETWORKS and THE SCIENCE CHANNEL, airing on June 30th, 2021
(Completed)

6/1 Live Radio Interview - Washington, D.C. / WMAL
We said we should be able to talk more after the report comes out.

--

Rani C. Gran
Office of Communications
Mail Code 420, B36, S470
NASA Goddard Space Flight Center
Greenbelt, MD. 20771
Work Cell : (b) (6)
Phone: 301-286-2483

"If we amplify everything, we hear nothing," Jon Stewart.

From: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
To: (b) (6)
Cc: [Gran, Rani C. \(GSFC-1300\)](#)
Subject: FW: Interview request on Pentagon UFO Report- RK Kopparapu
Date: Friday, July 9, 2021 9:02:08 AM

Hi Dan,

Thanks so much for your email. Ravi won't be able to participate in the interview. Best of luck with the program.

Lonnie

--

Lonnie Shekhtman
Solar System Exploration
NASA's Goddard Space Flight Center

From: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>
Date: Friday, July 9, 2021 at 7:40 AM
To: cosmoeticalist <(b) (6)>
Cc: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>, "Gran, Rani C. (GSFC-1300)" <rani.c.gran@nasa.gov>
Subject: Re: Interview request on Pentagon UFO Report- RK Kopparapu

Hello Dan,

Thank you for your email. I am copying our NASA Public Affairs Office representatives Lonnie Shekhtman and Rani Gran to co-ordinate. We will wait for their response.

Best

Ravi

--

Ravi kumar Kopparapu
NASA Goddard Space Flight Center
Greenbelt, MD 20771
email: ravikumar.kopparapu@nasa.gov

From: cosmoeticalist <(b) (6)>
Date: Friday, July 9, 2021 at 7:24 AM

To: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>

Subject: [EXTERNAL] Interview request on Pentagon UFO Report- RK Kopparapu

My name is Dan Schneider and I am the founder and owner of the popular and influential arts website Cosmoetica. Here is a link: <http://www.cosmoetica.com/>. I have a Youtube series that interviews individuals and panels of people on the arts and sciences, called the Dan Schneider Video Interview: <https://www.youtube.com/user/cosmoetica>. My interviews provide depth that harkens back to the days of David Susskind, Dick Cavett, WF Buckley, and Phil Donahue.

I would like to do a panel show on the recent UFO/UAP report.

I am a great interviewer, and if you look thru some earlier shows you'll see I get to the core of an issue like no one else.

Cosmoetica will go down as one of the most influential websites from the early Internet years, and easily the most influential in the arts. I hope you agree to be interviewed. If you agree, I can get things ready. **The interviews require a good Internet connection, Skype on both ends- a free download, having a good webcam so we can see you, and my little recording device.**

Please let me know if you would be interested in an interview. I think it might be mutually beneficial.

Thanks,

DAN

--

www.Cosmoetica.com, Cosmoetica: The Best In Poetica

<https://www.youtube.com/user/cosmoetica>, Cosmoetica's channel

https://www.youtube.com/channel/UC0zBf_K3uchXAPDzCsrQV5A, E-Cosmoetica

<https://vimeo.com/user36938996>, Vimeo channel

Amazon Books: https://www.amazon.com/s/ref=dp_byline_sr_ebooks_1?ie=UTF8&text=Dan+Schneider&search-alias=digital-text&field-author=Dan+Schneider&sort=relevancerank

<https://www.facebook.com/DanSchneiderVideoInterviews/>

<https://twitter.com/DanSchneiderVI>

From: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
To: [Gran, Rani C. \(GSFC-1300\)](#)
Subject: UFO doc back at ya
Date: Tuesday, July 13, 2021 8:11:24 AM
Attachments: [Media UFO UAP.7.13.21.docx](#)

Hey Rani,

Welcome back! Sending the updated UFO doc back. The report release was a let-down, as Ravi expected. Got some media over that weekend and following week, but nothing crazy. The most immediate thing you'll have to deal with is the Rochester NPR interview tomorrow at 1PM.

Talk soon,
Lonnie

--

Lonnie Shekhtman
Senior Science Writer
Solar System Exploration
NASA's Goddard Space Flight Center
301-614-6833

Ravi Kopparapu interviews on UFO and NASA's Search for Life:

Updated 7.13.21

New Requests:

6/21 Evan Dawson is the host of Connections, an NPR talk show in Rochester, NY. NASA Hq gave us permission to move forward with the interview. He wants to talk to Ravi and a couple of other scientists about UFOs and NASA's search for life. I'm trying to collect more specifics about this show.

<https://www.npr.org/podcasts/389236520/connections-with-evan-dawson>

Contacts: (b) (6) (b) (6)

Status: Happening at 1PM on 7/14.

6/28 early August Ravi is set to speak at an aviation forum organized by the American Institute of Aeronautics and Astronautics. Topic is: "Advocating for Scientific Study of Unidentified Aerial Phenomenon – Technical Perspective with focus on Aviation Safety." He's talking about the history of the scientific study of UAPs. Status: Sent to HQ 6/28 to make sure it's OK. Haven't heard back.

6/22, David Sloan, Antwort, German Broadcasting company. We completed this interview, details below. There were lots of great questions about the NASA efforts to search for life. They would like to publish the raw interview. They offered to send us the transcript for review, to cross out anything we find embarrassing or not correct.

Contacts: David Sloan (b) (6)

Status: We should follow up with David Sloan about the transcript. I followed up and he hasn't responded. Said that he's talking to social media peeps about posting the full interview.

TBA: We do not have a date for this interview: National Geographic Producer, Misha X. Rezvi -ND, contacted Ravi to get some background on the scientific study of UFOs. She was looking to talk to a scientist who dedicated their lives to studying UFOs so that they can spend an hour-long documentary on them. Unfortunately, the scientists who can fit their criteria are Prof. James Mc Donald and Allen Hynek; both are deceased now. No one currently is doing the caliber or the level of the work that they did. The closest is someone at the University of New York-Albany.

Contact: Misha Rezvi-ND (b) (6)

Completed Interviews

7/8, Passant Rabie, Inverse. Talked about what signals we can detect from other potential civilizations. Talked on 7/8. <https://www.inverse.com/science/quantum-communication-could-reveal-aliens>

6/29, David Appell, Physics World. Status: Talked to Ravi about technosigs and biosigs on 7/9. Story is not due to come out for a while.

6/28, Dustin Barnes, USA Today. Administrator passed on this and Ravi decided to as well. Didn't really like the angle.

6/25, Jill K. Robinson, Natl Geo Traveler. Writing about the UFO/UAP report.
Status: Interview was on 6/29. Went well. Sent Qs in advance, so Ravi had a chance to prepare. Story should be out in July.

6/24 A DC-based producer for Germany's TV network ARD. ARD is a public channel similar to PBS here in the US. She wants to talk to Ravi about his Scientific American Article and UFOs and UAVs either Wednesday or Thursday. The interview was short, just 15 minutes. Contact: Christine Schiffner (b) (6)
Status: Christine emailed 6/29 to say that story got scrapped because of Miami condo building collapse and other urgent news.

6/22, David Sloan, Antwort, German Broadcasting company. He is writing a story to understand what it means for the scientific study of UAP/UFO and explaining how the general public should view this subject now, with the taboo is starting to shrink. Also, what does it mean for the study of the habitability of other planets and potential life in other solar systems/planets/exo planets. When the report is made public and whatever parts are not redacted, what will be NASA's interest be in studying this subject. Here's the story: <https://m.dw.com/en/world-ufo-day-2021-is-there-anyone-out-there/av-58134404>

The interview was taped at the visitor center,

6/21 12:00 p.m. EST Zoom interview with the Space Channel's Christopher Tolve
<(b) (6)>

6/21 SKY NEWS - URGENT INTERVIEW REQUEST—missed deadline

6/21 at 2:00 PM. We will tape an interview with Ravi in Goddard's TV studio about NASA's efforts to search for life in our solar system for the Science Channel. The interview will air during a live national television event about Unidentified Aerial Phenomena (UAP) for DISCOVERY NETWORKS and THE SCIENCE CHANNEL, airing on June 30th, 2021

6/20 Space.com

Reporter: Leonard David, Space.com

What: Email Exchange on UAP/UFO report between Ravi and David Leonard

6/1 Live Radio Interview - Washington, D.C. / WMAL

We said we should be able to talk more after the report comes out.

Background Information/recent stories

5/26 [**We're asking the wrong questions about UFOs**](#) by NASA Goddard Scientist Ravi Kopparapu -he coordinated this article with NASA SMD and OCOMM and his supervisors at Goddard

7/27/20 [**'Unidentified Aerial Phenomena,' Better Known as UFOs, Deserve Scientific Investigation \(Good Background\)**](#)

From: [Kopparapu, Ravi Kumar \(GSFC-6990\)](#)
To: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
Date: Thursday, July 22, 2021 3:23:57 PM

yeah, btw, Just received FOIA request on all of my emails that mention "UFO" or "UAP"

From: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
To: [Kopparapu, Ravi Kumar \(GSFC-6990\)](#)
Cc: [Gran, Rani C. \(GSFC-1300\)](#)
Subject: Re: [EXTERNAL] Urgent press inquiry
Date: Monday, July 26, 2021 8:31:54 AM

Yeah, Galileo was just the news hook.

--

Lonnie Shekhtman
Senior Science Writer
Solar System Exploration
NASA's Goddard Space Flight Center
301-614-6833

From: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>
Date: Monday, July 26, 2021 at 9:31 AM
To: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>
Cc: "Gran, Rani C. (GSFC-1300)" <rani.c.gran@nasa.gov>
Subject: Re: [EXTERNAL] Urgent press inquiry

Ah,...Good. More about Technosignature work we are doing than the Galileo initiative. Nice!
Ravi

--

Ravi Kopparapu
NASA Goddard Space Flight Center
Greenbelt, MD 20771
email: ravikumar.kopparapu@nasa.gov

From: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>
Date: Monday, July 26, 2021 at 9:22 AM
To: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>
Cc: "Gran, Rani C. (GSFC-1300)" <rani.c.gran@nasa.gov>
Subject: Re: [EXTERNAL] Urgent press inquiry

Cool. Here's the story: <https://thedebrief.org/our-cosmic-neighbors-is-there-alien-technology-in-our-solar-system/>

--

Lonnie Shekhtman
Senior Science Writer
Solar System Exploration
NASA's Goddard Space Flight Center
301-614-6833

From: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>
Date: Sunday, July 25, 2021 at 12:11 PM
To: MJ Baniyas <(b) (6)>
Cc: "Gran, Rani C. (GSFC-1300)" <rani.c.gran@nasa.gov>, "Shekhtman, Lonnie (GSFC-690.0) [ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>
Subject: Re: [EXTERNAL] Urgent press inquiry

--

Ravi Kopparapu
NASA Goddard Space Flight Center
Greenbelt, MD 20771
email: ravikumar.kopparapu@nasa.gov

Hi MJ,

Yes, I did read about the [Galileo project](#). It looks like they want to collect data (radar, optical imaging and thermal infra-red) from near the Earth orbit and also any inter-stellar natural objects like 'Oumuamua. Some researchers are already planning to look at the data from LSST for more objects like 'Oumuamua, so I guess this is a parallel effort.

The effort also mentioned collecting data on UAP. I hope such data will be made publicly available to scientists beyond the initiative so that an independent analysis can be made. After all, a robust analysis is what I hope all are looking for.

As for the second question: Just like we sent Voyager and Pioneer probes beyond the solar system, it may be possible that other civilizations may have sent probes as well. Now, this is where I think we should pause and curb speculation on if we have seen one already. In the technosignature field, there are papers, [including our's](#) and [even in the 1980s](#), that discussed the *_possibility_* and search of artifacts from other civilizations. This is not new to Technosignature field, but part of one aspect of Technosignature research that needs to be investigated. One needs firm and robust data

collection and independent analysis to make any claims. I hope the Galileo effort collects such data while being agnostic about the nature apriori.

Best

Ravi

From: MJ Baniyas <(b) (6)>

Date: Saturday, July 24, 2021 at 2:05 PM

To: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>

Subject: [EXTERNAL] Urgent press inquiry



Hi Ravi,

Hope all is well with you!

The Debrief is going to be covering aspects of Avi Loeb's Galileo Project. And I'd love to get a technosignature expert to weigh in here for an article.

First- what are your thoughts on Avi Loeb's latest project? It appears that they will be using telescopes and some private funding to hunt for technosignatures in our solar system.

Second- given what we know about our solar system- is it possible that alien technology could be in our system "hanging out?" What makes current research in the technosignature space think so?

Thanks! I need a fairly quick turnaround on this. I appreciate it!

MJ

--

Sent from [Canary](#)

From: [Kopparapu, Ravi Kumar \(GSFC-6990\)](#)
To: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
Subject: Re: [EXTERNAL] ADX - Anomalous Data Exchange - Scientific Advisory Board
Date: Friday, July 30, 2021 7:55:47 AM

Understood, thanks!

--

Ravi Kopparapu
NASA Goddard Space Flight Center
Greenbelt, MD 20771
email: ravikumar.kopparapu@nasa.gov

On 7/30/21, 8:45 AM, "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]"
<lonnie.shekhtman@nasa.gov> wrote:

I don't know of anyone at NASA who can help evaluate these, but I can tell you that he doesn't come up on a Google search or a Google Scholar search. If I were you, I'd ignore.

Lonnie

--

Lonnie Shekhtman
Senior Science Writer
Solar System Exploration
NASA's Goddard Space Flight Center
301-614-6833

On 7/30/21, 5:58 AM, "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov> wrote:

Hi Lonni,
I know the following is not exactly a reporter/journalist question, however, I do not know what to make of it. Is there any help from NASA to validate these?

Thanks
Ravi

--

Ravi Kopparapu
NASA Goddard Space Flight Center
Greenbelt, MD 20771
email: ravikumar.kopparapu@nasa.gov

On 7/30/21, 3:50 AM, "W F" <(b) (6)> wrote:

Dear Dr. Kopparapu,

I wanted to get in touch with you regarding a new project to consolidate credible UAP data.

To introduce myself: I hold a degree in (b) (6) from The (b) (6) and have worked for (b) (6) in clinical research - specializing in data collection and analysis. I'm now a Director working on optimizing data systems at a large private research organization

In the clinical research domain we have created international standards that allow complex data related to the testing of new drugs to be easily pooled and analyzed.

In order to create a framework for scientific discovery in the UAP area it would make sense to do the same.

With a partner, who is a software developer, we have created a project called ADX (Anomalous Data Exchange) that will perform three functions:

1. Develop international data standards for UAP observations - this will include database structure, generic paper reporting forms, and SOPs that can be integrated into an organization's Quality Systems.
2. Create a centralized data repository to pool data in this standard format for analysis - this will be a public open-source non commercial data lake that will connect observers to the scientific community. Data would come exclusively from qualified individuals/organizations.
3. Publish a journal of analysis based on data mined from the repository - later phase of work likely in further years when there is more data collected.

We are currently looking for qualified individuals/organizations to advise on the data standards in point 1 above.

If you would consider helping advise on data to be collected in the system we would be grateful to have your input.

Please see attached documents with more detail on the database structure and general information.

Best Regards,
William Faria



About

The Anomalous Data Exchange (ADX) project is an international non-governmental organization (NGO) whose mission is to standardize, collect, and help analyze anomalous observations by credible observers and sensors. ADX is a neutral intermediary where observers can report data which scientists can then analyze. Our objective is to create high quality datasets for the scientific community regarding anomalous observations (AOs).

The project consists of three main missions:

- Creating an international data standard for storing data on anomalous phenomena
- Hosting a data exchange where partner organizations and qualified individuals may post observations
- Facilitating analysis, research and review by qualified scientists

Data Standards

The Anomalous Data Exchange Data Standards ADX-DS is a standardized set of databases, variables, and formats that allow for easy exchange of data around AO (Anomalous Observations)s. This database structure has been conceived and reviewed by experts to ensure it contains all relevant data to describe observations. The ADX-DS also contains universal position and time variables to allow 3D reconstructions of events.

The ADX-DS is a free, open-source, community based project, distributed under an 'Attribution-NonCommercial-NoDerivs CC BY-NC-ND' license, but remains the intellectual property of ADX. Official versions of the ADX-DS are publicly available on the project's GIT repository ([LINK](#))

Being public domain, individuals and organizations may incorporate this database structure to design their own data collection systems. Using the ADX-DS will allow for efficient pooling of data from different sources into unified datasets.

ADX-DS Version 1.0 will be released for public comment in summer 2021. Subsequent iterations of the data standards may be released as required in the future. If you are interested in contributing to the development of the ADX-DS please contact us through the contact page ([LINK](#)), or request access through our GitHub page ([LINK](#))

ADX Data Warehouse

The purpose of the ADX Data Warehouse is to connect the scientific community to individuals and organizations that hold credible anomalous observation data.

ADX builds partnerships with organizations that represent pilots, air traffic controllers, astronomers, maritime shipping companies, governmental organizations, as well as space based organizations. The ADX Data Warehouse will allow these different organizations to report and collate observations into a central location, and will allow them access to analysis of the observations by our panel of experts.

In addition to partner organizations, ADX may publish data regarding observations made by qualified individuals such as commercial pilots, maritime professionals, former and current military, law enforcement, astronomers, aerospace companies, and others.

Identities and qualifications of all contributors to this database will be verified by ADX administrators, however the identities of the observers may remain anonymous to protect their privacy.

Data contained in the ADX Data Warehouse will follow the ADXDS format to allow for standardization of observations' data, but may also include unformatted raw datasets of sensor data that can be made available in their entirety to the scientific research community for analysis to detect trends or to serve as control data.

Data submitted to the ADX Data Warehouse remains the intellectual property of the individual or organization that created the data. By submitting to the ADX Data Warehouse data owners agree that their data may be distributed under a creative commons 'Attribution-NonCommercial-NoDerivs CC BY-NC-ND' license by ADX.

The entire contents of ADX Data Warehouse will be available to the public with the exception of personally identifying information.

Analysis/Publications

In addition to publishing raw data regarding observations we will facilitate publication of analysis by qualified experts in the fields of forensic video/photo analysis, radar sensors, FLIR technicians, pilots, maritime professionals, astronomers, physicists, aeronautical engineers, meteorologists, and others as needed. Opinions of these experts will also be displayed alongside observation data to provide context to the general public.

Scientists may also cite the data compiled in the ADX Data Warehouse in peer reviewed publications.

Independent developers may also access the data contained in the ADX Warehouse through an API or by requesting a full download of the full dataset. Data visualization and analysis can be developed by third parties for non commercial purposes under a creative commons license.

From: [Kopparapu, Ravi Kumar \(GSFC-6990\)](#)
To: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
Subject: FW: [EXTERNAL] Re: Aerospace conference insights
Date: Monday, August 9, 2021 10:20:04 AM

--

Ravi Kopparapu
NASA Goddard Space Flight Center
Greenbelt, MD 20771
email: ravikumar.kopparapu@nasa.gov

From: "Eghigian, Greg" <(b) (6)>
Date: Monday, August 9, 2021 at 9:52 AM
To: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>
Cc: "Haqq-Misra, Jacob D. (GSFC-6062)[Science Collaborator]" <(b) (6)>
Subject: [EXTERNAL] Re: Aerospace conference insights

Hi Ravi,

Thanks very much for your summary and thoughts. I find this all very interesting.

As a historian, I'm in complete agreement with you: always go to the original sources. This is certainly true of any circumstance in history, but it is especially the case when it comes to the UAP. In many ways, I think the points you make echo not only James McDonald, but Allen Hynek. When I look over records about his evolving views on the subject, he kept coming back to the witnesses and the corroborating evidence in those cases he found most compelling.

I'm very eager to see how things develop, especially with regard to the idea of establishing a formal UAP (Technical) committee within AIAA. Do keep me in the loop (I don't know how public those involved plan to be as things play out).

When it comes to what you lay out here as well as what's going on with the Galileo Project, I continue to be drawn to two things.

First, you mentioned the special session included scientists, engineers and pilots, but it wasn't clear to me whether that included psychologists specializing in perceptual and cognitive psychology. It seems to me that one way in which the much-criticized Condon Committee was actually spot on was in it recognizing that, if witness testimonials are to be used as evidence, then psychology and related fields needs to have a prominent seat at the table. So, along with the aerospace community and atmospheric scientists, I think there needs to be researchers involved with expertise about subjects like sensation and perception, information processing, memory, communications, and interpersonal

relations.

Second, I'm struck by how folks like Loeb and others pushing this new agenda of scientific research in the area have said they want to bracket out the history of UFO sightings since the forties. I certainly get why this is the case, as it clearly has to do with (1) wanting to distance oneself from the cultural baggage associated with it and (2) the inability to effectively control for various factors. But this simply begs the historical question about UAP. Are the reports that have been publicized since 2017 (which go back to the 2000s) thought then to be the first instances of genuine sightings? Are the past ones somehow irrelevant or corrupt? If these things aren't new, then mustn't one take into consideration past reports? And if so, how do we account for the remarkable diversity of things supposedly observed over the years? If these recent sightings, however, are considered to be the first genuine ones, isn't it rather interesting that even people like Loeb inherently must tip their hat to the history of UAP associations with aliens despite themselves?

In the end, I'm intrigued by these recent developments. And I think it important that the civilian scientific community get involved in this as best it can.

Best,
Greg

Greg Eghigian
Professor of History
Penn State University

Department of History
108 Weaver Building
Penn State University
University Park, PA 16802
USA
Email: (b) (6)

From: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>

Date: Saturday, August 7, 2021 at 7:16 PM

To: Greg Eghigian <(b) (6)>

Cc: (b) (6) <(b) (6)>

Subject: Aerospace conference insights

Hi Greg,

Yesterday (Friday), I attended a special session on UAP organized by the American Institute of Aeronautics and Astronautics (AIAA), a professional organization for the Aerospace industry. I was asked to give the opening talk, followed by talks from some other scientists, engineers and pilots. My condition for attendance was that no speaker will talk about speculative aspects of UAP, and true to that condition, the session organizers (who are a mix of past pilots, Airspace managers, aviation experts) kept it well balanced. Kevin Knuth, whom we had a brief meeting with a month ago, also gave a talk. Ryan Graves, the F-18 pilot who apparently encountered UAP that was reported in the

media, also gave a presentation about what he saw and what his instruments noticed.

I would say the one thing that stood out for me was that these pilots are taking this seriously and are baffled that there is a stigma in studying these things. They think it is a flight safety issue. At least the F-18 pilot Ryan Graves mentioned that “it is silly that there is a stigma associated with mitigating air safety issues and lives of people”... Other pilots spoke at the meeting and they were all talking about air safety and how to detect them so that they can better learn about their instruments and systems....Totally different approach than I am used to in the astronomy circles.

I realized that I am living inside a bubble created by both pseudo-scientists and main-stream scientists, who either subscribe to wild theories or mostly dismiss UAP based on pop culture association with aliens. When I stepped outside of the noise bubble, I found that the reality is quite different for pilots, who actually detect these things with their instruments. There is indeed a taboo in *_reporting_* them, which now the Navy has formalized to create a reporting system, but I certainly felt that what we see on twitter or media articles is not the reality for pilots.

I have been thinking for a while that this is not an astronomy problem, but an aerospace problem. This meeting reinforced that feeling. No wonder astronomers are dismissing them because of the association with aliens by non-scientists dominating the discussion. And they have good reasons to do that. Unfortunately that dismissal is being applied to the whole UAP phenomena rather than just the alien hypothesis.

This brings up another point. These things are observed in our atmosphere with flight instruments. So the aerospace community (and atmospheric science community) may have more relevance than astronomy. AIAA actually studied some cases of UAP back in 1971 when open discussion about it was not stigmatized, so they have a precedent. Telescopes are not going to help, as Avi Loeb’s new initiative seems to propose. Our meeting discussed the kind of instruments needed (IR cameras, radar tech etc.), which have nothing to do with astronomical instruments.

Finding a worthwhile signal (signal, in this sense, is “if there is anything to UAP”) in all this noise is difficult, and it can only be seen when we go directly to the source generating the signal. Those are the pilots. By the time their signal reaches us, it is contaminated by a mountain of noise, and we think *_that_* is the actual signal, which perpetuates the taboo. The lesson I learned is “go always to the original source”.

The planned next steps are to explore an idea of establishing a formal UAP (Technical) committee within AIAA. Some folks at AIAA have started the ground work. Let’s see how far it can go.

Best

Ravi

--

Ravi Kopparapu

NASA Goddard Space Flight Center

Greenbelt, MD 20771

email: ravikumar.kopparapu@nasa.gov

From: [Kopparapu, Ravi Kumar \(GSFC-6990\)](#)
To: [Gran, Rani C. \(GSFC-1300\)](#)
Cc: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
Subject: Re: My talk from AIAA conference
Date: Monday, August 9, 2021 11:43:59 AM

Title: SCIENCE OF UAP PAST AND PRESENT

Ravi

--

Ravi Kopparapu
NASA Goddard Space Flight Center
Greenbelt, MD 20771
email: ravikumar.kopparapu@nasa.gov

From: "Gran, Rani C. (GSFC-1300)" <rani.c.gran@nasa.gov>
Date: Monday, August 9, 2021 at 12:08 PM
To: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>
Cc: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>
Subject: Re: My talk from AIAA conference

What was the title of your talk?

Rani

--

Rani C. Gran
Office of Communications
Mail Code 420, B36, S470
NASA Goddard Space Flight Center
Greenbelt, MD. 20771
Work Cell : (b) (6)
Phone: 301-286-2483

"If we amplify everything, we hear nothing," Jon Stewart.

From: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>
Date: Monday, August 9, 2021 at 11:57 AM
To: Rani Gran <rani.c.gran@nasa.gov>
Cc: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>
Subject: My talk from AIAA conference

Hi Rani and Lonnie,

I gave an invited talk at a special session of the AIAA (American Institute of Aeronautics and Astronautics) last Friday, August 6th. I was informed that these talks will be posted on ENGAGE an AIAA dedicated online community where they asked for the video. They are also going to send the link to the other speakers. Once they post it, it will be out of their hands.

I personally am not going to post it anywhere publicly. However, other speakers or attendees who have access or the organizers may decide to post it. I am just giving a heads up in case you see my talk anywhere or receive enquiries.

Thanks

Ravi

--

Ravi Kopparapu

NASA Goddard Space Flight Center

Greenbelt, MD 20771

email: ravikumar.kopparapu@nasa.gov

From: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
To: (b) (6)
Cc: [Gran, Rani C. \(GSFC-1300\)](#)
Subject: FW: [EXTERNAL] AIAA / Follow up from a friend of Ted Roe
Date: Friday, August 20, 2021 8:41:49 AM

Hi Thomas,

Thank you so much for reaching out. I help handle media queries for Ravi, so he forwarded your note. He's not available for any interviews currently, as he is working on a project that's taking up all his time.

Best of luck to you,
Lonnie Shekhtman
Solar System Exploration
NASA's Goddard Space Flight Center

--

From: thomas fessler <(b) (6)>
Date: Thursday, August 19, 2021 at 7:05 PM
To: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>
Subject: [EXTERNAL] AIAA / Follow up from a friend of Ted Roe

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Requester: John Greenewald

Request #: 23-00084-F-GSFC

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From: [Gran, Rani C. \(GSFC-1300\)](#)
To: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
Subject: Re: [EXTERNAL] AIAA / Follow up from a friend of Ted Roe
Date: Friday, August 20, 2021 10:19:40 AM

Thank you,

Rani

--

Rani C. Gran
Office of Communications
Mail Code 420, B36, S470
NASA Goddard Space Flight Center
Greenbelt, MD. 20771
Work Cell : (b) (6)
Phone: 301-286-2483

"If we amplify everything, we hear nothing," Jon Stewart.

From: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]"
<lonnie.shekhtman@nasa.gov>
Date: Friday, August 20, 2021 at 9:15 AM
To: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>, Rani Gran
<rani.c.gran@nasa.gov>
Subject: Re: [EXTERNAL] AIAA / Follow up from a friend of Ted Roe

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Requester: John Greenewald

Request #: 23-00084-F-GSFC

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From: [Kopparapu, Ravi Kumar \(GSFC-6990\)](#)
To: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#); [Gran, Rani C. \(GSFC-1300\)](#)
Subject: Re: [EXTERNAL] AIAA / Follow up from a friend of Ted Roe
Date: Friday, August 20, 2021 8:29:15 AM

Yes please! Thank you. I truly appreciate it.

--

Ravi Kopparapu
NASA Goddard Space Flight Center
Greenbelt, MD 20771
email: ravikumar.kopparapu@nasa.gov

From: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]"
<lonnie.shekhtman@nasa.gov>
Date: Friday, August 20, 2021 at 9:15 AM
To: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>, "Gran, Rani C. (GSFC-1300)" <rani.c.gran@nasa.gov>
Subject: Re: [EXTERNAL] AIAA / Follow up from a friend of Ted Roe

You are far too busy for interviews right now. Do you want us to take this off your hands and respond?

Lonnie

--

Lonnie Shekhtman
Senior Science Writer
Solar System Exploration
NASA's Goddard Space Flight Center
301-614-6833

From: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>
Date: Thursday, August 19, 2021 at 9:29 PM
To: "Gran, Rani C. (GSFC-1300)" <rani.c.gran@nasa.gov>
Cc: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>
Subject: FW: [EXTERNAL] AIAA / Follow up from a friend of Ted Roe

A request for an interview. I think I might be busy with other work at this time.

--

Ravi Kopparapu
NASA Goddard Space Flight Center
Greenbelt, MD 20771
email: ravikumar.kopparapu@nasa.gov

From: thomas fessler <(b) (6)>
Date: Thursday, August 19, 2021 at 7:05 PM
To: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>
Subject: [EXTERNAL] AIAA / Follow up from a friend of Ted Roe

Hey Ravi,

Reaching out to say thanks for your great presentation on the Science of UAP Past and Present, from the AIAA forum on Science of UAP Past and Present. I've been collaborating with Ted for some time and he was instrumental to bring my attention to this event, as well as a copy of your compelling presentation.

Like Ted, I feel it's critical to leverage observations and facts with respect to UAP vs the high level of conjecture and unverifiable statements that are overly prevalent in UFOlogy. Yet another reason why I value your contribution to uncovering as much as we can about the phenomenon.

With that said, I host a Live Stream called UAP Disclosure Tonight on my [YouTube Channel](#) and it would be great to bring you on as a Guest to discuss your factual assessment of UAP and any current efforts that you can discuss. We broadcast weekdays at 7PM Pacific and Saturdays at 3PM Pacific and it would be an honor to host a discussion. What do you think?

I appreciate your time and consideration with my request and look forward to hearing back from you.

Many Thanks,
Thomas Fessler

(b) (6)

From: [Gran, Rani C. \(GSFC-1300\)](#)
To: [Kopparapu, Ravi Kumar \(GSFC-6990\)](#); [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
Subject: Re: [EXTERNAL] Science Reporter (Former Chemical Engineer) Who Interviewed Chad Underwood Re: the "Tic Tac" UAP
Date: Thursday, August 26, 2021 12:49:28 PM

Waiting for approval.

Rani

--

Rani C. Gran
Office of Communications
Mail Code 420, B36, S470
NASA Goddard Space Flight Center
Greenbelt, MD. 20771
Work Cell : (b) (6)
Phone: 301-286-2483

"If we amplify everything, we hear nothing," Jon Stewart.

From: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>
Date: Thursday, August 26, 2021 at 1:47 PM
To: Rani Gran <rani.c.gran@nasa.gov>, "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>
Subject: Re: [EXTERNAL] Science Reporter (Former Chemical Engineer) Who Interviewed Chad Underwood Re: the "Tic Tac" UAP

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Request #: 23-00084-F-GSFC

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From: [Gran, Rani C. \(GSFC-1300\)](#)
To: [Kopparapu, Ravi Kumar \(GSFC-6990\)](#)
Cc: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
Subject: Re: [EXTERNAL] Science Reporter (Former Chemical Engineer) Who Interviewed Chad Underwood Re: the "Tic Tac" UAP
Date: Thursday, August 26, 2021 8:49:35 AM

Thanks Ravi,

I will reach out to Matt.

Rani

--

Rani C. Gran
Office of Communications
Mail Code 420, B36, S470
NASA Goddard Space Flight Center
Greenbelt, MD. 20771
Work Cell : (b) (6)
Phone: 301-286-2483

"If we amplify everything, we hear nothing," Jon Stewart.

From: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>
Date: Wednesday, August 25, 2021 at 6:34 PM
To: Rani Gran <rani.c.gran@nasa.gov>
Cc: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>
Subject: FW: [EXTERNAL] Science Reporter (Former Chemical Engineer) Who Interviewed Chad Underwood Re: the "Tic Tac" UAP

Hi Lonnie and Rani,

Here is another request. I think I remember this person at the Aerospace conference session. A first read of his background seems ok to me, but you are the experts. Before I agree, I want to have a "pre-interview" talk with him, not recorded, to know more about his podcast. Essentially, I want to know what kind of people they are planning to invite on their podcast and if the focus will be anything speculative.

--

Ravi Kopparapu
NASA Goddard Space Flight Center
Greenbelt, MD 20771
email: ravikumar.kopparapu@nasa.gov

From: matthew phelan <(b) (6)>

Date: Wednesday, August 25, 2021 at 5:11 PM

To: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>

Subject: [EXTERNAL] Science Reporter (Former Chemical Engineer) Who Interviewed Chad Underwood Re: the "Tic Tac" UAP

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Requester: John Greenewald

Request #: 23-00084-F-GSFC

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From: [Kopparapu, Ravi Kumar \(GSFC-6990\)](#)
To: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#); [Gran, Rani C. \(GSFC-1300\)](#)
Subject: Re: Participation in AIAA UAP committee
Date: Tuesday, September 7, 2021 8:38:30 AM

Already wrote to Paul Mahaffy.

--

Ravi Kopparapu
NASA Goddard Space Flight Center
Greenbelt, MD 20771
email: ravikumar.kopparapu@nasa.gov

From: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]"
<lonnie.shekhtman@nasa.gov>
Date: Tuesday, September 7, 2021 at 9:37 AM
To: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>, "Gran, Rani C. (GSFC-1300)" <rani.c.gran@nasa.gov>
Subject: Re: Participation in AIAA UAP committee

Hi Ravi,

I wonder if Paul and Stephanie would be better people to ask about this. This isn't really "media" related, which is what our contacts at HQ mostly deal with. I'm not sure what the rules are for civil servants (you are one, right?) participating on things and using their NASA credentials. ... Maybe Rani knows more.

Best,
Lonnie

--

Lonnie Shekhtman
Senior Science Writer
Solar System Exploration
NASA's Goddard Space Flight Center
301-614-6833

From: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>
Date: Tuesday, September 7, 2021 at 7:59 AM
To: "Gran, Rani C. (GSFC-1300)" <rani.c.gran@nasa.gov>

Cc: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>

Subject: Participation in AIAA UAP committee

Hi Rani and Lonnie,

After last month's session on UAP at an Aerospace conference (AIAA, the talk I gave a month ago), they have taken steps to initiate an 'Integration and Outreach Committee' with a group of people who were invited to give a talk at that session (including me). The purpose, charter, and objectives are to be determined by this committee which should focus on flight safety as the primary goal. This is not a done deal. There is hesitancy even in that community, but they are at least cautiously open to at least allow a committee to take form.

The reason I am writing all these is because if NASA would be open to my participation? The executive director of the AIAA wants a 'cone of silence' on this one until a committee is fully formed and in operation (which could take a year or several months), so they really are conservative in this approach. They do not want any of us to publicize in the social media or even mention to reporters at this formation point. The committee will likely led by a pilot (Ryan Graves) who gave testimonies to a Senate panel on what he observed during the UAP encounters. I found Ryan to be very rational and strictly sticking to the facts. My participation, of any level, would be voluntary and not paid.

Thanks

Ravi

--

Ravi Kopparapu

NASA Goddard Space Flight Center

Greenbelt, MD 20771

email: ravikumar.kopparapu@nasa.gov

From: [Kopparapu, Ravi Kumar \(GSFC-6990\)](#)
To: [Gran, Rani C. \(GSFC-1300\)](#); [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
Subject: Re: [EXTERNAL] Science Reporter (Former Chemical Engineer) Who Interviewed Chad Underwood Re: the "Tic Tac" UAP
Date: Thursday, September 9, 2021 10:44:31 AM

Hi Rani,
Can we do it next week? I am overwhelmed with lot of work currently. Perhaps next Thursday? I have a HQ presentation next Wednesday on SEEC (whole day meeting) + some other PI meetings. Thursday Sep 16th is open.
Thanks
Ravi

--

Ravi Kopparapu
NASA Goddard Space Flight Center
Greenbelt, MD 20771
email: ravikumar.kopparapu@nasa.gov

From: "Gran, Rani C. (GSFC-1300)" <rani.c.gran@nasa.gov>
Date: Thursday, September 9, 2021 at 11:31 AM
To: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>, "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>
Subject: Re: [EXTERNAL] Science Reporter (Former Chemical Engineer) Who Interviewed Chad Underwood Re: the "Tic Tac" UAP

Hello,

I just got the approval from Hq to move ahead with this interview.

Ravi, I can schedule this one for tomorrow.

Rani

--

Rani C. Gran
Office of Communications
Mail Code 420, B36, S470
NASA Goddard Space Flight Center
Greenbelt, MD. 20771
Work Cell : (b) (6)
Phone: 301-286-2483

"If we amplify everything, we hear nothing," Jon Stewart.

From: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>

Date: Tuesday, September 7, 2021 at 5:36 PM

To: Rani Gran <rani.c.gran@nasa.gov>, "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>

Subject: Re: [EXTERNAL] Science Reporter (Former Chemical Engineer) Who Interviewed Chad Underwood Re: the "Tic Tac" UAP

I could do it tomorrow afternoon from 2-5pm.

Thursday 11am-12pm, 3-5pm.

Friday 10am-1pm.

--

Ravi Kopparapu

NASA Goddard Space Flight Center

Greenbelt, MD 20771

email: ravikumar.kopparapu@nasa.gov

From: "Gran, Rani C. (GSFC-1300)" <rani.c.gran@nasa.gov>

Date: Tuesday, September 7, 2021 at 5:34 PM

To: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>, "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>

Subject: Re: [EXTERNAL] Science Reporter (Former Chemical Engineer) Who Interviewed Chad Underwood Re: the "Tic Tac" UAP

Ravi,

When would you like to do this interview?

Rani

--

Rani C. Gran

Office of Communications

Mail Code 420, B36, S470

NASA Goddard Space Flight Center

Greenbelt, MD. 20771

Work Cell : (b) (6)
Phone: 301-286-2483

"If we amplify everything, we hear nothing," Jon Stewart.

From: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>
Date: Thursday, August 26, 2021 at 1:47 PM
To: Rani Gran <rani.c.gran@nasa.gov>, "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>
Subject: Re: [EXTERNAL] Science Reporter (Former Chemical Engineer) Who Interviewed Chad Underwood Re: the "Tic Tac" UAP

Ok, thank you. This seems reasonable. I would prefer this to be next week, if that works.
If this is a go, am I contacting them?
Ravi

--

Ravi Kopparapu
NASA Goddard Space Flight Center
Greenbelt, MD 20771
email: ravikumar.kopparapu@nasa.gov

From: "Gran, Rani C. (GSFC-1300)" <rani.c.gran@nasa.gov>
Date: Thursday, August 26, 2021 at 1:23 PM
To: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>, "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>
Subject: FW: [EXTERNAL] Science Reporter (Former Chemical Engineer) Who Interviewed Chad Underwood Re: the "Tic Tac" UAP

Another UFO request

Below is more information about the podcast.

--

Rani C. Gran
Office of Communications
Mail Code 420, B36, S470
NASA Goddard Space Flight Center
Greenbelt, MD. 20771
Work Cell : (b) (6)

Phone: 301-286-2483

"If we amplify everything, we hear nothing," Jon Stewart.

From: matthew phelan <(b) (6)>

Date: Thursday, August 26, 2021 at 12:41 PM

To: Rani Gran <rani.c.gran@nasa.gov>

Cc: Claude Brodesser-Akner <(b) (6)>

Subject: Re: [EXTERNAL] Science Reporter (Former Chemical Engineer) Who Interviewed Chad Underwood Re: the "Tic Tac" UAP

Hi, Rani! It's a pleasure to meet you!

(I hope you are doing well amid these trying pandemic times.)

I'm going to do my best to answer your questions below. Hopefully, I'm not overdoing it, but we're very enthusiastic about having Dr. Kopparapu's expertise in this podcast.

- *How long will the podcast be? How many episodes?* 10-12 episodes. The project is going to be in a narrative nonfiction "audio documentary" style, so closer to projects like [Wind of Change](#), [Serial](#), or Slate's [Slow Burn](#), than the litany of podcasts about UFOs where the guests and hosts just hang out, endlessly speculating. I suspect that the content will dictate how long each episode is, but they all will likely be within the 45-60 minute range.
- *Who else do you plan to interview?* Thus far we've interviewed SUNY Albany physicist Kevin Knuth, former Senate Majority Leader Harry Reid, retired US Navy pilot Chad Underwood, and professional skeptic Mick West, among others. I wish we could provide you with a comprehensive list, but the goal with this podcast is to bring real clarity and detail to a perpetually murky and elusive topic. We have the budget to carefully put this together and no deadline pressure from the production studio to rush anything in a salacious or irresponsible way.
- *What will be the thrust of the story?* We're using the timeline of the U.S. military and intelligence community's renewed interest in UFO/UAP phenomena—roughly from the 2004 USS Nimitz encounters to present—as the arc of our narrative. But there will be, nevertheless, moments where effectively communicating that story will dictate dipping back into Cold War history, the scientific community's evolving understanding of the cosmos, and other critical moments from past decades where questions about UFOs and the search for extraterrestrial life have reached flashpoints.

Much of what we are hoping to hear from Dr. Kopparapu are expansions of [comments he's already made in Scientific American](#) and at this month's AIAA conference. I also have a piece in *Scientific American* in edits now and slated for release soon, which I add mostly to underline that I have a real professional and reputational interest in handling this tricky and controversial topic well. Claude, my co-reporter/co-producer on this project, does too, of course; it'd do him no good to go from Emmy-winning multimedia reporter covering New Jersey politics for the *Star Ledger* to crazy-haired guy on

the History channel's *Ancient Aliens*.

While I'm going to try not to let this effect my objectivity as a reporter, it's also true that my parents met while working at NASA's Kennedy Space Center at Cape Canaveral in late 70s/early 1980s. (My father is still in the aerospace engineering field designing GPS satellites). So, as my hard sell here, please note that I've got some hardwired sentimental reasons to avoid needlessly bringing any shame on this august institution and its staff.

Hope to hear from you soon.

Best & Thanks Again,

Matthew Phelan

(b) (6) (m)

On Thu, Aug 26, 2021 at 10:08 AM Gran, Rani C. (GSFC-1300) <rani.c.gran@nasa.gov> wrote:

Hi Matt,

My name is Rani Gran. I'm a Communications specialist at NASA Goddard Space Flight Center.

I'd like to get a little more information about your podcast.

How long will the podcast be? How many episodes? Who else do you plan to interview? What will be the thrust of the story?

I'd appreciate any background that you can provide.

Rani

--

Rani C. Gran

Office of Communications

Mail Code 420, B36, S470

NASA Goddard Space Flight Center

Greenbelt, MD. 20771

Work Cell : (b) (6)

Phone: 301-286-2483

"If we amplify everything, we hear nothing," Jon Stewart.

From: matthew phelan <(b) (6)>

Date: Wednesday, August 25, 2021 at 5:11 PM

To: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>

Subject: [EXTERNAL] Science Reporter (Former Chemical Engineer) Who Interviewed Chad Underwood Re: the "Tic Tac" UAP

Hello, Ravi.

You might have heard me ask a few questions about satellite imagery during the AIAA conference on UAPs and civilian flight safety earlier this month.

Like the subject line says, I'm the science reporter and former chemical engineer who got [the first on-the-record interview with Navy pilot Chad Underwood](#), the WSO who filmed the 2004 Nimitz "UFO" with his F/A-18's ATFLIR pod, back in December 2019. (I was able to persuade the *Skeptical Inquirer* to take my reporting seriously enough that they were ultimately forced to [retract their 2018 debunking article in its entirety](#). Although, they may have posted a revise in the past year.)

I'm writing now because my co-reporter/co-producer Claude Brodesser-Akner and I have finally signed a contract with iHeart Radio to produce an audio documentary podcast miniseries about the UAP issue, after frankly a pretty grueling pandemic period of negotiations and false starts. We're hoping to speak with you about a handful of things for this project:

- Your thoughts on physicist James E. McDonald and the history of academic science's approach to the UFO/UAP topic. (i.e. an expansion on thoughts you have expressed in *Scientific American* and other venues).
- Your thoughts on the available (tried and untried) research methodologies that might be worthwhile with respect to collecting data and setting up experiments about UAPs.
- Some general, on background, "off the record," conversations about individuals in this field, in the hopes of getting candid, informed, opinions of someone with your level of expertise to help us better assess various characters and their credibility.

Obviously, we don't have the pedigree of a physics PhD. with career at NASA studying atmospheric modeling and extrasolar planet habitability, but if it helps, here's a bit on our bonafides for this project:

I am an investigative reporter and former chemical engineer (and a former assistant editor for *Chemical Engineering* magazine) whose past research focused on developing advanced lithium-ion batteries for DARPA. My science reporting has appeared in [Slate](#), [Gizmodo](#), [Discover](#), and [Popular Science](#). And my political reporting has appeared at [The New Republic](#), [The New York Review of Books](#), [The Daily Beast](#), [Gawker](#), and elsewhere. I was also, briefly, an *Onion* contributor earlier in my career, * if my doing passable news satire earns me any respect here.

My co-producer/co-reporter, Claude Brodesser-Akner ([LinkedIn profile](#) here) was the creator and former host of KCRW's "[The Business](#)," a now longstanding institution in the world of Los Angeles public radio (and beyond) about the business of show business in Hollywood, as well as a former senior politics reporter for New Jersey's *Star Ledger*.

At some point, even though this is going to be much more of a narrative-driven podcast, I suspect we'll probably want to do some supplemental episodes that are more pure Q&A interviews and it would be a lovely excuse to talk with you about the breadth and depth of your research into this topic, if you are amenable.

In any event, thank you for taking the time to read this long email amid yet another stressful summer of protracted Covid pandemic chaos. Here's hoping you and yours are persevering well. Please reach out soon, if you can.

Best, Sincerely,
Matthew Phelan
(b) (6) (m)

FOOTNOTE * These were some *Onion* headlines that I got in the paper:

- ["CIA Capture The Flag Game Inadvertently Overthrows President Hugo Chavez"](#)
- ["Grizzled Proofreader Has Seen It Written Both Ways"](#)
- ["CNBC Cameraman Can't Believe He's Filming Another Blog Off A Computer Monitor"](#)

From: [Kopparapu, Ravi Kumar \(GSFC-6990\)](#)
To: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
Date: Wednesday, October 13, 2021 1:46:39 PM

was a link sent for the UFO talk?

From: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
To: [Hatfield, Miles S. \(GSFC-130.0\)\[TELOPHASE CORP\]](#); [Landau, Elizabeth R \(HQ-1864\)\[ASRC FEDERAL SYSTEM SOLUTIONS\]](#); [Gran, Rani C. \(GSFC-1300\)](#); [Hoover, Rachel L. \(ARC-DO\)](#); [Tran, Lina \(GSFC-670.0\)\[SGT INC\]](#); [Barry, Caela E. \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#); [Tiedeken, Staci L. \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#); [Fadoul, Jenny Marder \(GSFC-470.0\)\[TELOPHASE CORP\]](#)
Date: Wednesday, October 13, 2021 1:48:30 PM

so we're all going to this UFO thing?

From: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
To: [Gasparini, Allison J. \(GSFC-DO\)\[GSFC INTERNS\]](#)
Date: Wednesday, October 13, 2021 1:51:56 PM

did i send you the UFO talk link?

From: [Landau, Elizabeth R. \(HQ-1864\)\[ASRC FEDERAL SYSTEM SOLUTIONS\]](#)
To: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\];](#) [Hatfield, Miles S. \(GSFC-130.0\)\[TELOPHASE CORP\];](#)
[Gran, Rani C. \(GSFC-1300\);](#) [Hoover, Rachel L. \(ARC-DO\);](#) [Tran, Lina \(GSFC-670.0\)\[SGT INC\];](#) [Barry, Caela E. \(GSFC-690.0\)\[ADNET SYSTEMS INC\];](#) [Tiedeken, Staci L. \(GSFC-690.0\)\[ADNET SYSTEMS INC\];](#) [Fadoul, Jenny Marder \(GSFC-470.0\)\[TELOPHASE CORP\]](#)
Date: Wednesday, October 13, 2021 3:26:04 PM

yes. I missed most of the Q&A but came back for the end. Loved his fake UFO photos. Did Ravi or anyone ask questions about scientists getting UAP data?

From: [Kopparapu, Ravi Kumar \(GSFC-6990\)](#)
To: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#); [Gran, Rani C. \(GSFC-1300\)](#)
Subject: Re: Our Future in Space
Date: Monday, October 25, 2021 12:33:18 PM

I don't think (b) (5)

(b) (5)

--

Ravi Kopparapu
NASA Goddard Space Flight Center
Greenbelt, MD 20771
email: ravikumar.kopparapu@nasa.gov

From: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]"
<lonnie.shekhtman@nasa.gov>
Date: Monday, October 25, 2021 at 1:29 PM
To: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>, "Gran, Rani C. (GSFC-1300)" <rani.c.gran@nasa.gov>
Subject: Re: Our Future in Space

They should put your in charge.

--

Lonnie Shekhtman
Senior Science Writer
Solar System Exploration
NASA's Goddard Space Flight Center
301-614-6833

From: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>
Date: Monday, October 25, 2021 at 11:45 AM
To: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>, "Gran, Rani C. (GSFC-1300)" <rani.c.gran@nasa.gov>
Subject: Re: Our Future in Space

I have absolutely no problem (b) (5) or with the life topic. It is indeed good a

(b) (5) is included.

I have a problem mixing UAP (b) (5)

(b) (5)

--

Ravi Kopparapu

NASA Goddard Space Flight Center

Greenbelt, MD 20771

email: ravikumar.kopparapu@nasa.gov

From: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]"

<lonnie.shekhtman@nasa.gov>

Date: Monday, October 25, 2021 at 11:39 AM

To: "Gran, Rani C. (GSFC-1300)" <rani.c.gran@nasa.gov>, "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>

Subject: Re: Our Future in Space

Yeah, I agree with Rani. (b) (5) But I also understand your hesitation about the UAP included. Your work to remove the stigma is not going to pay off immediately!

But ... I actually think (b) (5)

(b) (5) I think it's (b) (5)

(b) (5)

Lonnie

--

Lonnie Shekhtman

Senior Science Writer

Solar System Exploration

NASA's Goddard Space Flight Center

301-614-6833

From: "Gran, Rani C. (GSFC-1300)" <rani.c.gran@nasa.gov>

Date: Monday, October 25, 2021 at 11:25 AM

To: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>

Cc: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>

Subject: Re: Our Future in Space

Hello Ravi,

I hear ya. (b) (5) It looks like the National Cathedral is hosting this discussion.

I'm glad you had a chance to talk the pilots that saw the UAPs. I would love to hear what you learned from them.

Rani

--

Rani C. Gran (she/her)
Office of Communications
Mail Code 420, B36, S470
NASA Goddard Space Flight Center
Greenbelt, MD. 20771
Work Cell : (b) (6)
Phone: 301-286-2483

From: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>
Date: Monday, October 25, 2021 at 9:27 AM
To: Rani Gran <rani.c.gran@nasa.gov>
Cc: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>
Subject: FW: Our Future in Space

I am disappointed to see that this event (b) (5) I am working with aerospace people to slowly remove the stigma, and events like these undermine what I am trying to do....Why (b) (5)

--

Ravi Kopparapu
NASA Goddard Space Flight Center
Greenbelt, MD 20771
email: ravikumar.kopparapu@nasa.gov

From: 'Avi Loeb' via community <(b) (6)>
Reply-To: '(b) (6)' <(b) (6)>

Date: Monday, October 25, 2021 at 9:19 AM

To: '(b) (6)' <(b) (6)>

Subject: [EXTERNAL] Our Future in Space

You are cordially invited to [register online](#) for the event titled "*Our Future In Space*" to be held at the National Cathedral in Washington DC on November 10 @ 7PM EST:

<https://cathedral.org/event/our-future-in-space/>



Speakers

[Avril Haines](#), Director of National Intelligence

[Avi Loeb](#), Harvard University Department of Astronomy. Astronomer and best-selling author. *Extraterrestrial* (2021)

[Bill Nelson](#), NASA Administrator and former US Senator (FL 2001-2019)

[David Wilkinson](#), Durham University and ECLAS (Equipping Christian Leadership in an Age of Science). Theologian and astrophysicist. *Science, Religion, and the Search for Extraterrestrial Intelligence* (2013)

Abraham (Avi) Loeb

Frank B. Baird Jr. Professor of Science

Harvard University

<https://lweb.cfa.harvard.edu/~loeb/>

<https://www.scientificamerican.com/author/avi-loeb/>

<https://avi-loeb.medium.com/>

Cell: (b) (6) [he/him/his]

--

Find the IAA SETI website at: <https://iaaseti.org>

Find the upcoming SETI meeting calendar at: <https://iaaseti.org/en/meetings/>

Code of Conduct (Interim):

<https://www.aiaa.org/about/Governance/Code-of-Ethics>

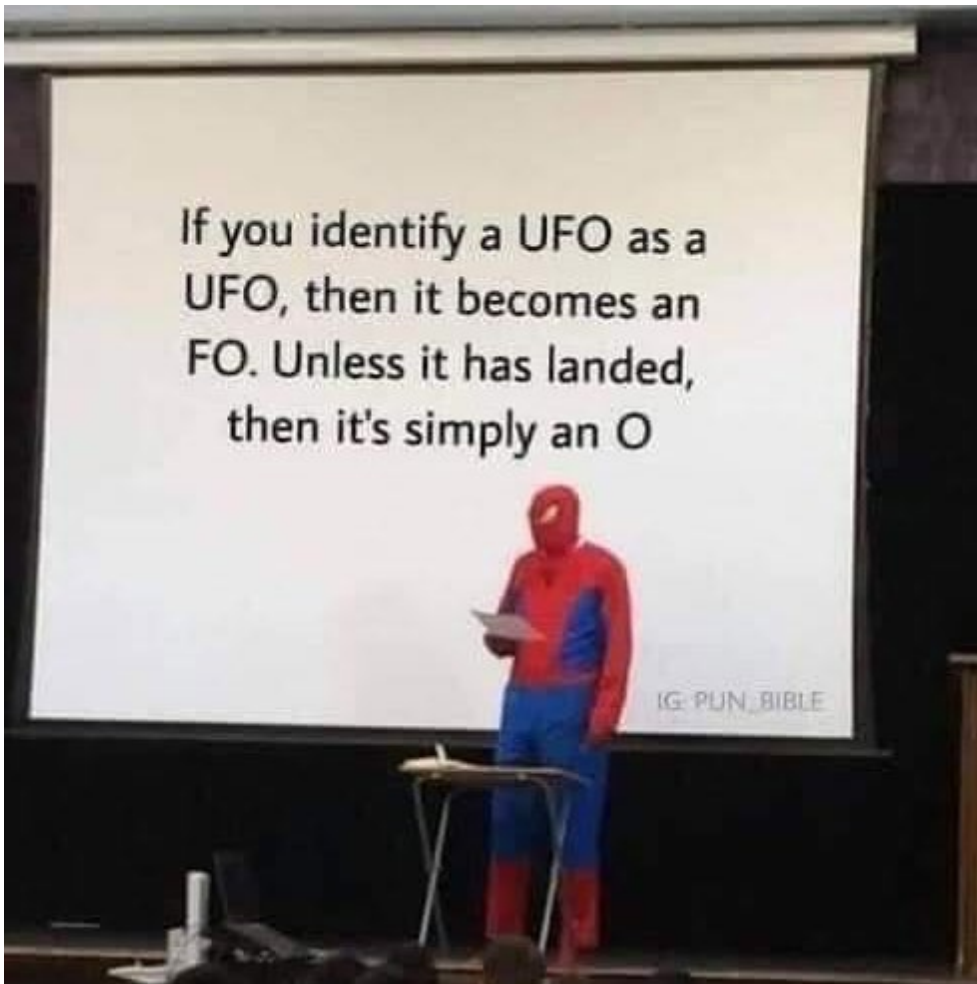
<https://www.aiaa.org/about/Governance/Anti-Harassment-Policy>

To unsubscribe from this group and stop receiving emails from it, send an email to community+unsubscribe@iaaseti.org.

From: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
To: [Kopparapu, Ravi Kumar \(GSFC-6990\)](#)
Date: Tuesday, November 2, 2021 8:21:32 AM

Initially skeptics, renowned atmospheric physicist [James McDonald](#) and [J. Allen Hynek](#) – whose career [inspired](#) the film “Close Encounters of the Third Kind” – proceeded to make convincing [arguments](#) that the most [compelling](#) UFO [incidents](#) may have otherworldly [explanations](#).

From: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
To: [Adam Rozan](#)
Subject: ufo
Date: Wednesday, November 17, 2021 3:51:09 PM



--
Lonnie Shekhtman
Senior Science Writer
Solar System Exploration
NASA's Goddard Space Flight Center
301-614-6833

From: [Gran, Rani C. \(GSFC-1300\)](#)
To: [Kopparapu, Ravi Kumar \(GSFC-6990\)](#); [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
Subject: Re: "This is Urgent: Bipartisan proposal for UAP office pushes new boundaries"
Date: Thursday, November 18, 2021 10:01:36 AM

Please reach out legislative affairs

On: 18 November 2021 09:37, "Kopparapu, Ravi Kumar (GSFC-6990)"
<ravikumar.kopparapu@nasa.gov> wrote:

Duplicate Email Already Processed



--

Ravi Kopparapu
NASA Goddard Space Flight Center
Greenbelt, MD 20771
email: ravikumar.kopparapu@nasa.gov

From: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]"
<lonnie.shekhtman@nasa.gov>
Date: Thursday, November 18, 2021 at 9:16 AM
To: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>,
"Gran, Rani C. (GSFC-1300)" <rani.c.gran@nasa.gov>
Subject: Re: "This is Urgent: Bipartisan proposal for UAP office pushes new boundaries"

Duplicate Email Already Processed



Deletion Page

Requester: John Greenewald

Request #: 23-00084-F-GSFC

3 page(s) containing duplicate information
is/are held in the file.

From: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
To: [Kopparapu, Ravi Kumar \(GSFC-6990\)](#); [Gran, Rani C. \(GSFC-1300\)](#)
Subject: Re: "This is Urgent: Bipartisan proposal for UAP office pushes new boundaries"
Date: Thursday, November 18, 2021 8:50:41 AM
Attachments: [image001.png](#)

I bet they're aware of you.

Re going to HQ PR, I'll let Rani weigh in on that. But I still think Lori Glaze or TZ is a good route because they'll really get behind pushing the hard science angle. And your bosses can help get through to them to find out how to reach the admin.

--

Lonnie Shekhtman
Senior Science Writer
Solar System Exploration
NASA's Goddard Space Flight Center
301-614-6833

From: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>
Date: Thursday, November 18, 2021 at 9:37 AM
To: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>, "Gran, Rani C. (GSFC-1300)" <rani.c.gran@nasa.gov>
Subject: Re: "This is Urgent: Bipartisan proposal for UAP office pushes new boundaries"

Can the HQ PR help in this matter? Because they have a direct line to the administrator. I will of course seek approval from my immediate bosses, but they have no involvement in this matter. If it comes from the higher ups, it might be smoother.

Do they (Bill Nelson and TZ) even know I exist and I am doing this work?

--

Ravi Kopparapu
NASA Goddard Space Flight Center
Greenbelt, MD 20771
email: ravikumar.kopparapu@nasa.gov

From: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>
Date: Thursday, November 18, 2021 at 9:16 AM

To: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>, "Gran, Rani C. (GSFC-1300)" <rani.c.gran@nasa.gov>

Subject: Re: "This is Urgent: Bipartisan proposal for UAP office pushes new boundaries"

I think you should; you are the only NASA person I've seen talk about this so publicly and objectively. But I have no idea how this works. You probably have to work through 690 leadership / Lori Glaze / Tom Z. If it were me, I would write a pitch letter to the administrator's office outlining my qualifications and philosophy and linking to published articles on the subject.

Lonnie

--

Lonnie Shekhtman
Senior Science Writer
Solar System Exploration
NASA's Goddard Space Flight Center
301-614-6833

From: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>

Date: Thursday, November 18, 2021 at 9:01 AM

To: "Gran, Rani C. (GSFC-1300)" <rani.c.gran@nasa.gov>

Cc: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>

Subject: FW: Update: "This is Urgent: Bipartisan proposal for UAP office pushes new boundaries"

Is there any way I can be in the advisory committee from the NASA side?

--

Ravi Kopparapu
NASA Goddard Space Flight Center
Greenbelt, MD 20771
email: ravikumar.kopparapu@nasa.gov

From: 'Avi Loeb' via community <(b) (6)>

Reply-To: '(b) (6)' <(b) (6)>

Date: Thursday, November 18, 2021 at 5:41 AM

To: Abraham Loeb <aloeb@cfa.harvard.edu>

Subject: [EXTERNAL] Update: "This is Urgent: Bipartisan proposal for UAP office pushes new

boundaries"

The bipartisan Gillibrand amendment (co-sponsored now also by Senators Graham and Grant, Heinrich and Rubio) calls to create an "Anomaly Surveillance and Resolution Office" with authority to pursue "any resource, capability, asset, or process of the Department and the intelligence community" to get to the bottom of the sightings of "unidentified aerial phenomena," or UAPs. This will include a 20-25 member Advisory Committee, three members of which selected by the NASA administrator, two by the President of the National Academies of Sciences, two by the president of the National Academy of Engineering, and three by the director of the [Galileo Project at Harvard University](#) (see item (VI) below).

Sen. Kirsten Gillibrand says in an exclusive interview to POLITICO:

"If it is technology possessed by adversaries or any other entity, we need to know," Sen. Kirsten Gillibrand (D-N.Y.) said in her first interview about the effort. "Burying our heads in the sand is neither a strategy nor an acceptable approach... Regardless of where you fall on the question of the unknown, you have to answer the rest of the questions. That's why this is urgent. That's why having no oversight or accountability up until now to me is unacceptable..."

While she mostly couches her effort in national security terms, the former presidential candidate also acknowledges that the "sci-fi" implications of UFOs also compelled her to take action.

"The first question I got when I got on the Intelligence Committee was 'Mom, tell us about the aliens.' I go, 'I know nothing about it,' " she recalled conversations with her two sons. "I'm getting the coolest mom jersey for sure this year."

Indeed, she is clearly enjoying her role, joking how Congress' oversight may lead to a congressional delegation visiting new destinations or dimensions.

"And then as soon as we plan a congressional delegation, I'll let you know," Gillibrand quipped. "The outer space congressional delegation is coming."

For the full Politico interview, see:

<https://www.politico.com/news/2021/11/17/this-is-urgent-bipartisan-proposal-for-ufo-office-pushes-new-boundaries-522845>

The Gillibrand amendment is cosponsored by four other senators:

AMENDMENT

Amends Bill: H.R.4350 — National Defense Authorization Act for Fiscal Year 2022

Sponsor: Sen. Gillibrand, Kirsten [D-NY] (Submitted 11/15/2021)

Cosponsors (4)

Cosponsors: S.Amdt. 4593 — 117th Congress (2021-2022)

Gillibrand-Rubio-Heinrich Amendment (SA 4593)
(Unidentified Aerial Phenomena)
Status as of November 17, 2021, 4:30 AM EST

* = Original cosponsor

Cosponsor	Date Cosponsored
Sen. Rubio, Marco [R-FL]*	11/15/2021
Sen. Heinrich, Martin [D-NM]*	11/15/2021
Sen. Graham, Lindsey [R-SC]	11/16/2021
Sen. Blunt, Roy [R-MO]	11/16/2021

CONGRESS.GOV

S8108

CONGRESSIONAL RECORD—SENATE

November 15, 2021

(IV) Two members selected from among individuals recommended by the President of the National Academy of Engineering;
(V) One member selected from among individuals recommended by the President of the National Academy of Medicine;
(VI) Three members selected from among individuals recommended by the Director of the Galileo Project at Harvard University;
(VII) One member selected from among individuals recommended by the Board of Directors of the Scientific Coalition for Unidentified Aerial Phenomena Studies;
(VIII) Two members selected from among individuals recommended by the President of the American Institute of Astronautics and Aeronautics;
(IX) Two members selected from among individuals recommended by the Director of the Optical Technology Center at Montana State University;
(X) One member selected from among individuals recommended by the president of the American Society for Photogrammetry and Remote Sensing;
(XI) Up to five additional members, as the Secretary, in consultation with the Director, considers appropriate, selected from among individuals with requisite expertise, at least 2 of whom shall not be employees of any Federal Government agency or Federal Government contractor;
(B) No individual may be appointed to the Committee under subparagraph (A) unless the Secretary and the Director jointly determine that the individual:
(i) qualifies for a security clearance at the secret level or higher;
(ii) possesses scientific, medical, or technical expertise pertinent to some aspect of the investigation and analysis of unidentified aerial phenomena; and
(iii) has previously conducted research or writing that demonstrates scientific, technological, or operational knowledge regarding aspects of the subject matter, including propulsion, aerodynamic control, signatures, structures, materials, sensors, countermeasures, weapons, electronics, power generation, field investigations, forensic examination of particular cases, analysis of open source and classified information regarding domestic and foreign research and commentary, and historical information pertaining to unidentified aerial phenomena;
(C) The Secretary and Director may terminate the membership of any individual on the Committee upon a finding by the Secretary and the Director jointly that the member no longer meets the criteria specified in this subsection;
(D) CHAIRPERSON.—The Secretary shall, in consultation with the Director, designate a temporary Chairperson of the Committee, but at the earliest practicable date the Committee shall elect a Chairperson from among its members, who will serve a term of 2 years, and is eligible for re-election;
(E) EXPERT ASSISTANCE, ADVICE, AND RECOMMENDATIONS.—(A) The Committee may, upon invitation of the head of the Office, provide expert assistance or advice to any line organization designated to carry out field investigations or data analysis as authorized by subsection (d) and (e).
(B) The Committee, on its own initiative, or at the request of the Director, the Secretary, or the head of the Office, may provide advice and recommendations regarding best practices with respect to the gathering and analysis of data on unidentified aerial phenomena in general, or commentary regarding specific incidents, cases, or classes of unidentified aerial phenomena;
(C) REPORT.—Not later than December 31, 2022, and not later than December 31 of each year thereafter, the Committee shall submit

a report summarizing its activities and recommendations to the following:
(A) The Secretary;
(B) The Director;
(C) The head of the Office;
(D) The Committee on Armed Services and the Select Committee on Intelligence of the Senate;
(E) The Committee on Armed Services and the Permanent Select Committee on Intelligence of the House of Representatives;
(F) RELATION TO FACA.—For purposes of the Federal Advisory Committee Act (5 U.S.C. App.), the Committee shall be considered an advisory committee (as defined in section 3 of such Act), except as otherwise provided in the section or as jointly deemed warranted by the Secretary and the Director under section 5502(c) of such Act;
(7) TERMINATION OF COMMITTEE.—The Committee shall terminate on the date that is six years after the date of the establishment of the Committee;
(8) DEFINITIONS.—In this section:
(A) the term “appropriate committees of Congress” means—
(i) the Committee on Armed Services, the Select Committee on Intelligence, and the Committee on Foreign Relations of the Senate; and
(ii) the Committee on Armed Services, the Permanent Select Committee on Intelligence, and the Committee on Foreign Affairs of the House of Representatives;
(B) the term “intelligence community” has the meaning given such term in section 3 of the National Security Act of 1949 (50 U.S.C. 3002);
(C) the term “transmedium objects or devices” means objects or devices that are observed to transition between space and the atmosphere, or between the atmosphere and bodies of water, that are not immediately identifiable;
(D) the term “unidentified aerial phenomena” means—
(i) airborne objects that are not immediately identifiable;
(ii) transmedium objects or devices; and
(iii) submerged objects or devices that are not immediately identifiable and that display behavior or performance characteristics suggesting that they may be related to the subjects described in subparagraph (A) or (B).

--

Find the IAA SETI website at: <https://iaaseti.org>

Find the upcoming SETI meeting calendar at: <https://iaaseti.org/en/meetings/>

Code of Conduct (Interim):

<https://www.aiaa.org/about/Governance/Code-of-Ethics>

<https://www.aiaa.org/about/Governance/Anti-Harassment-Policy>

To unsubscribe from this group and stop receiving emails from it, send an email to

community+unsubscribe@iaaseti.org.

From: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
To: [Hatfield, Miles S. \(GSFC-130.0\)\[TELOPHASE CORP\]](#); [Landau, Elizabeth R \(HQ-1864\)\[ASRC FEDERAL SYSTEM SOLUTIONS\]](#); [Gran, Rani C. \(GSFC-1300\)](#); [Hoover, Rachel L. \(ARC-DO\)](#); [Tran, Lina \(GSFC-670.0\)\[SGT INC\]](#); [Barry, Caela E. \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#); [Tiedeken, Staci L. \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#); [Fadoul, Jenny Marder \(GSFC-470.0\)\[TELOPHASE CORP\]](#)
Date: Friday, June 25, 2021 8:13:55 AM

Also, NYT made a UFO reading list: Prepare Yourself for Little Green Men <https://nyti.ms/3h0TDKl>

From: [Gran, Rani C. \(GSFC-1300\)](#)
To: [Kopparapu, Ravi Kumar \(GSFC-6990\)](#)
Cc: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
Subject: Re: REPLY TO PREVIOUS EMAILS
Date: Tuesday, January 18, 2022 11:37:12 AM

Tell them you have more emails....then security officer will contact you. They are very responsive.

Rani

--

Rani C. Gran (she/her)
Office of Communications
Mail Code 420, B36, S470
NASA Goddard Space Flight Center
Greenbelt, MD. 20771
Work Cell : (b) (6)
Phone: 301-286-2483

From: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>
Date: Tuesday, January 18, 2022 at 12:35 PM
To: Rani Gran <rani.c.gran@nasa.gov>
Cc: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>
Subject: Re: REPLY TO PREVIOUS EMAILS

Should I send my previous emails as well? Or only the latest one?

--

Ravi Kopparapu
NASA Goddard Space Flight Center
Greenbelt, MD 20771
email: ravikumar.kopparapu@nasa.gov

From: "Gran, Rani C. (GSFC-1300)" <rani.c.gran@nasa.gov>
Date: Tuesday, January 18, 2022 at 12:34 PM
To: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>
Cc: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>
Subject: Re: REPLY TO PREVIOUS EMAILS

Report to

SOC - Security Operations Center <soc@nasa.gov>; abuse@nasa.gov <abuse@nasa.gov>

--

Rani C. Gran (she/her)
Office of Communications
Mail Code 420, B36, S470
NASA Goddard Space Flight Center
Greenbelt, MD. 20771
Work Cell : (b) (6)
Phone: 301-286-2483

From: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>


Date: Tuesday, January 18, 2022 at 8:17 AM

To: Rani Gran <rani.c.gran@nasa.gov>

Cc: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>

Subject: FW: REPLY TO PREVIOUS EMAILS

Duplicate Email Already Processed



Deletion Page

Requester: John Greenewald

Request #: 23-00084-F-GSFC

1 page(s) containing duplicate
information is/are held in the file.

From: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
To: [Kopparapu, Ravi Kumar \(GSFC-6990\)](#); [Gran, Rani C. \(GSFC-1300\)](#)
Subject: Re: REPLY TO PREVIOUS EMAILS
Date: Tuesday, January 18, 2022 8:40:47 AM

Ravi, maybe you should report this? You could block him, but if you do, I would report it first.

--

Lonnie Shekhtman
Senior Science Writer
Solar System Exploration
NASA's Goddard Space Flight Center
301-614-6833

From: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>
Date: Tuesday, January 18, 2022 at 8:17 AM
To: "Gran, Rani C. (GSFC-1300)" <rani.c.gran@nasa.gov>
Cc: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>
Subject: FW: REPLY TO PREVIOUS EMAILS

Duplicate Email Already Processed



Deletion Page

Requester: John Greenewald

Request #: 23-00084-F-GSFC

1 page(s) containing duplicate information
is/are held in the file.

From: [Gran, Rani C. \(GSFC-1300\)](#)
To: [Kopparapu, Ravi Kumar \(GSFC-6990\)](#)
Cc: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
Subject: Re: REPLY TO PREVIOUS EMAILS
Date: Tuesday, January 18, 2022 11:20:46 AM

We should report this to security.

Rani

--

Rani C. Gran (she/her)
Office of Communications
Mail Code 420, B36, S470
NASA Goddard Space Flight Center
Greenbelt, MD. 20771
Work Cell : (b) (6)
Phone: 301-286-2483

From: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>
Date: Tuesday, January 18, 2022 at 8:17 AM
To: Rani Gran <rani.c.gran@nasa.gov>
Cc: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>
Subject: FW: REPLY TO PREVIOUS EMAILS

Hi Rani and Lonnie,

This person keeps sending me threatening emails, even though I do not respond. I will keep ignoring because I do not want to escalate this any further, unless things change.

FYI.

Best

--

Ravi Kopparapu
NASA Goddard Space Flight Center
Greenbelt, MD 20771
email: ravikumar.kopparapu@nasa.gov

From: (b) (6)
Date: Monday, January 17, 2022 at 10:12 PM

To: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>

Subject: [EXTERNAL] REPLY TO PREVIOUS EMAILS

Dear Dr. Ravi,

You haven't answered my previous emails. You call yourself a scientist but ARE NOT SHOWING even an iota of curiosity that a space scientist must show especially when you are dealing with an extraordinary dangerous situation that could lead to an Accidental Indo-Pak nuclear exchange. The worst part here is you are from India.

Have you heard of Dr. Hal Puthoff and French space scientist Dr. Jean Jacques Velasco.?

They agree with what I am saying. They are REAL SCIENTISTS guided by CURIOSITY not ARROGANCE and EGO.

I hope atleast after reading this email you will come out of your INTELLECTUAL SLUMBER and see the danger.

Regards

(b) (6)



From: [Gran, Rani C. \(GSFC-1300\)](#)
To: [Kopparapu, Ravi Kumar \(GSFC-6990\)](#); [Rose Davidson](#)
Cc: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
Subject: Re: National Geographic Kids interview request
Date: Tuesday, January 18, 2022 11:30:30 AM

Rose,

Could you please tell me which addition it appears in?

Rani

--

Rani C. Gran (she/her)
Office of Communications
Mail Code 420, B36, S470
NASA Goddard Space Flight Center
Greenbelt, MD. 20771
Work Cell : (b) (6)
Phone: 301-286-2483

From: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>
Date: Tuesday, January 18, 2022 at 12:29 PM
To: Rose Davidson <(b) (6)> Rani Gran <rani.c.gran@nasa.gov>
Cc: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>
Subject: Re: National Geographic Kids interview request

Hi Rose,

Thank you. May be good to send it to be on the safe side, if that works for you. Otherwise no worries. I hope all is well with you all.

Best

Ravi

--

Ravi Kopparapu
NASA Goddard Space Flight Center
Greenbelt, MD 20771
email: ravikumar.kopparapu@nasa.gov

From: Rose Davidson <(b) (6)>

Date: Tuesday, January 18, 2022 at 10:59 AM

To: "Gran, Rani C. (GSFC-1300)" <rani.c.gran@nasa.gov>

Cc: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>, "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>

Subject: Re: [EXTERNAL] National Geographic Kids interview request

Hello Ravi,

I hope you are well and your new year is off to a good start!

I'm just reaching out to see if you'd like to receive a copy of the magazine issue with the upcoming article. (I know you said your kids have a subscription, but we'd be more than happy to send along an extra copy just for you.) If so, could you please share your preferred mailing address?

All the best,
Rose

On Thu, Sep 9, 2021 at 10:56 AM Rose Davidson <(b) (6)> wrote:

Hi Ravi and Rani,

Looking forward to connecting! Here is a link to meet via Zoom.

Rose Davidson is inviting you to a scheduled Zoom meeting.

Join Zoom Meeting

<https://nwf-org.zoom.us/j/94177199833?pwd=aDhjWkdRYjFUQjh6TmkvdXliQUhNUT09>

Meeting ID: (b) (6)

Password: (b) (6)

One tap mobile

+16465588656,,94177199833# US (New York)

8884754499,,94177199833# US Toll-free

Dial by your location

+1 646 558 8656 US (New York)

888 475 4499 US Toll-free

877 853 5257 US Toll-free

Meeting ID (b) (6)

Find your local number: <https://nwf-org.zoom.us/u/a6qu3o4WR>

On Thu, Sep 9, 2021 at 10:54 AM Gran, Rani C. (GSFC-1300) <rani.c.gran@nasa.gov> wrote:

Hi Rose,

Rose, I'd like to listen to the interview, but I don't want to interfere.

Rani

--

Rani C. Gran
Office of Communications
Mail Code 420, B36, S470
NASA Goddard Space Flight Center
Greenbelt, MD. 20771
Work Cell : (b) (6)
Phone: 301-286-2483

"If we amplify everything, we hear nothing," Jon Stewart.

From: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>
Date: Thursday, September 9, 2021 at 10:48 AM
To: Rose Davidson <(b) (6)> Rani Gran <rani.c.gran@nasa.gov>
Cc: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>
Subject: Re: [EXTERNAL] National Geographic Kids interview request

Sure today 4pm zoom call works.

--

Ravi Kopparapu
NASA Goddard Space Flight Center
Greenbelt, MD 20771
email: ravikumar.kopparapu@nasa.gov

From: Rose Davidson <(b) (6)>
Date: Thursday, September 9, 2021 at 10:47 AM
To: "Gran, Rani C. (GSFC-1300)" <rani.c.gran@nasa.gov>
Cc: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>, "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>
Subject: Re: [EXTERNAL] National Geographic Kids interview request

Wonderful! I'll be on a plane tomorrow morning, so could we do today at 4pm? I can set up a Zoom meeting or give Ravi a call, whichever is preferable. Just let me know.

Best,
Rose

On Sep 9, 2021, at 10:37 AM, Gran, Rani C. (GSFC-1300) <rani.c.gran@nasa.gov> wrote:

Hi Rose,

Ravi has some time this afternoon at 4:00 pm EDT or tomorrow from 10 am to 1 pm EDT.

Rani

--

Rani C. Gran
Office of Communications
Mail Code 420, B36, S470
NASA Goddard Space Flight Center
Greenbelt, MD. 20771
Work Cell : (b) (6)
Phone: 301-286-2483

"If we amplify everything, we hear nothing," Jon Stewart.

From: Rose Davidson <(b) (6)>
Date: Thursday, September 9, 2021 at 9:20 AM
To: Rani Gran <rani.c.gran@nasa.gov>
Cc: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>, "Shekhtman, Lonnie (GSFC-690.0) [ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>
Subject: Re: [EXTERNAL] National Geographic Kids interview request

Absolutely -- please see attached.

Many thanks,
Rose

On Thu, Sep 9, 2021 at 9:11 AM Gran, Rani C. (GSFC-1300) <rani.c.gran@nasa.gov> wrote:

Thank you for the nudge.

Could you send me the questions you send Ravi?

Rani

--

Rani C. Gran
Office of Communications
Mail Code 420, B36, S470
NASA Goddard Space Flight Center
Greenbelt, MD. 20771
Work Cell : (b) (6)
Phone: 301-286-2483

"If we amplify everything, we hear nothing," Jon Stewart.

From: Rose Davidson <(b) (6)>
Date: Thursday, September 9, 2021 at 8:47 AM
To: Rani Gran <rani.c.gran@nasa.gov>
Cc: "Kopparapu, Ravi Kumar (GSFC-6990)"
<ravikumar.kopparapu@nasa.gov>, "Shekhtman, Lonnie (GSFC-690.0)
[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>
Subject: Re: [EXTERNAL] National Geographic Kids interview request

Hi Rani,

Just checking in to see what a good next step might be. Hope your other project is going well!

Thanks,
Rose

On Sep 7, 2021, at 1:53 PM, Gran, Rani C. (GSFC-1300)
<rani.c.gran@nasa.gov> wrote:

Hi Rose,

I'm crunching on something right now, but I will respond soon.
Hopefully later this afternoon.

Rani

--

Rani C. Gran
Office of Communications
Mail Code 420, B36, S470
NASA Goddard Space Flight Center
Greenbelt, MD. 20771
Work Cell : (b) (6)
Phone: 301-286-2483

"If we amplify everything, we hear nothing," Jon Stewart.

From: "Kopparapu, Ravi Kumar (GSFC-6990)"
<ravikumar.kopparapu@nasa.gov>
Date: Tuesday, September 7, 2021 at 1:04 PM
To: Rose Davidson <(b) (6)>
Cc: Rani Gran <rani.c.gran@nasa.gov>, "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]"
<lonnie.shekhtman@nasa.gov>
Subject: Re: [EXTERNAL] National Geographic Kids interview request

Hello,
Thank you for your email. I am copying our Public Office representatives Rani Gran and Lonnie Shekhtman to co-ordinate. Once we hear back from them, I would be happy to chat. (Btw, we are subscribers to National Geographic kids magazine since 2011).
Best
Ravi

--

Ravi Kopparapu
NASA Goddard Space Flight Center
Greenbelt, MD 20771
email: ravikumar.kopparapu@nasa.gov

From: Rose Davidson <(b) (6)>
Date: Tuesday, September 7, 2021 at 12:37 PM
To: "Kopparapu, Ravi Kumar (GSFC-6990)"
<ravikumar.kopparapu@nasa.gov>
Subject: [EXTERNAL] National Geographic Kids interview

request

Hello Dr. Kopparapu,

I hope this message finds you well!

I'm reaching out regarding a story I'm currently writing for *National Geographic Kids* magazine. The story is about the [recent report](#) from the Pentagon about UFOs, or UAPs as they are now known. I came across your name and contact information as I was searching for experts on the subject of extraterrestrial research.

I'm looking for some input from experts to help bring the story to life for young readers and give some much-needed scientific context. Are you available this week to share any insight you may have? I have attached a few quick questions here that could be answered and returned via email. If chatting on the phone or via Zoom is preferred, I can also be available for a call.

I look forward to hopefully hearing from you soon!

All the best,
Rose Davidson

--

Rose Davidson
writer | editor | author
rosedavidson.com

National Geographic Kids

UFO Story

Rose Davidson

Age Demographic: 8-12 years old

Overview: Are UFOs real? The U.S. government recently released the first-ever [public report](#) on the subject, which looked at 144 cases of unidentified flying objects (which the government is now calling Unidentified Aerial Phenomenon, or UAP for short). All but one of those sightings was deemed unexplainable. We'll cover what the report explored and why, then dig into some of the credible accounts of UAP sightings [captured on video](#).

1. Can you tell me a little about your background and interest in extraterrestrial research?
2. What kind of signs do researchers like yourself look for that would indicate the presence of extraterrestrial life?
3. So far, have you seen any evidence to suggest that extraterrestrial life may exist?
4. Given the inconclusive results of the recent report, do you think it's possible that extraterrestrial beings were behind the UAP sightings on Earth? What other explanation might there be?
5. What do you think the report means for the future study of Unidentified Aerial Phenomenon (UAPs) and extraterrestrial life?
6. Do you have any other thoughts related to the [recent report](#)?

From: [Gran, Rani C. \(GSFC-1300\)](#)
To: [Kopparapu, Ravi Kumar \(GSFC-6990\)](#)
Cc: [Hautaluoma, Grey \(HQ-NA020\)](#); [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#); [Fox, Karen C. \(HQ-1300\)](#); [Jones, Nancy N. \(GSFC-1300\)](#); [Johnson, Alana R. \(HQ-DG000\)\[ASRC FEDERAL SYSTEM SOLUTIONS\]](#); [Morton, Erin \(HQ-ST30\)\[ASRC FEDERAL SYSTEM SOLUTIONS\]](#)
Subject: Re: Possible Co-chair on an UAP committee
Date: Tuesday, February 15, 2022 8:39:08 AM

Thank you for letting us know.

I've added a couple more people to this notification.

Rani

--

Rani C. Gran (she/her)
Office of Communications
Mail Code 420, B36, S470
NASA Goddard Space Flight Center
Greenbelt, MD. 20771
Work Cell : (b) (6)
Phone: 301-286-2483

From: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>
Date: Tuesday, February 15, 2022 at 9:34 AM
To: Rani Gran <rani.c.gran@nasa.gov>
Cc: "Hautaluoma, Grey (HQ-NA020)" <grey.hautaluoma-1@nasa.gov>, "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>, "Fox, Karen C. (HQ-1300)" <karen.c.fox@nasa.gov>
Subject: Possible Co-chair on an UAP committee

Hi Rani, Grey, Karen and Lonnie,

I am part of a team initiated by the [American Institute of Aeronautics and Astronautics \(AIAA\)](#), the premiere aerospace professional society, in forming a committee to study UAP (Unidentified Aerial Phenomena). AIAA has a membership of around 30,000 individuals of all walks of Aerospace expertise, including industry and the government. In response to the increased congressional interest, AIAA is establishing a Community of Interest (COI) to support investigation of UAP and their effects on aerospace safety.

I was asked to co-chair this COI. The term is nominally for 2 years, and I have an opportunity to become the chair after 2 years. I have to still respond to them with a confirmation, but I thought of informing you all before I do. They are *not* going to do a press release or anything. It will just be an announcement in their Aerospace newsletter at some point TBD. Some in the media may become

aware of this, and may eventually contact for a comment. I just want you all to hear from me first than from them, when they do.

Best

Ravi

--

Ravi Kopparapu

NASA Goddard Space Flight Center

Greenbelt, MD 20771

email: ravikumar.kopparapu@nasa.gov

From: [Gran, Rani C. \(GSFC-1300\)](#)
To: [Fadoul, Jenny Marder \(GSFC-470.0\)\[TELOPHASE CORP\]](#); [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#); [Hatfield, Miles {he, him} \(GSFC-130.0\)\[TELOPHASE CORP\]](#); [Landau, Elizabeth R \(HQ-1864\)\[ASRC FEDERAL SYSTEM SOLUTIONS\]](#); [Hoover, Rachel L. \(ARC-DO\)](#); [Barry, Caela E. \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#); [Tiedeken, Staci L. \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
Date: Wednesday, February 23, 2022 3:07:13 PM

He knows a lot of history about UFO/UAP research...which I find fascinating.

From: [Kopparapu, Ravi Kumar \(GSFC-6990\)](#)
To: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
Subject: Re: !!
Date: Monday, June 13, 2022 8:52:41 AM

Sounds good. I may not be on the UAP team, if I understand federal rules properly. But we will see. Waiting to talk with you!

--

Ravi Kopparapu
NASA Goddard Space Flight Center
Greenbelt, MD 20771
email: ravikumar.kopparapu@nasa.gov

From: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]"
<lonnie.shekhtman@nasa.gov>
Date: Monday, June 13, 2022 at 9:37 AM
To: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>
Subject: Re: !!

Hey Ravi! We're doing well, thank you. Exhausted, but well.

I saw that news ... oh my god. I can't wait to talk to you about it. Please tell me you're on the NASA UAP team ...

Let's catch up later this week.

Lonnie

--

Lonnie Shekhtman
Senior Science Writer
Solar System Exploration
NASA's Goddard Space Flight Center
301-614-6833

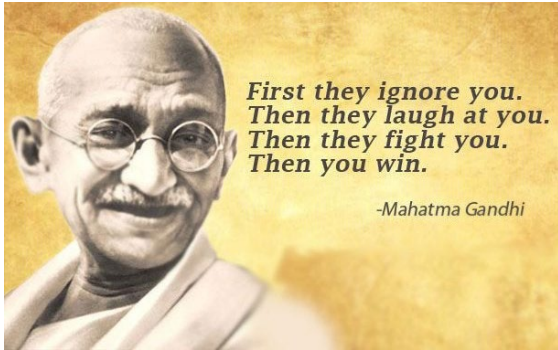
From: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>
Date: Sunday, June 12, 2022 at 7:04 PM
To: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>
Subject: !!

Hi Lonnie,

I hope you and your family are doing well!! It would be great to catchup when you are back and are feeling like it!

One exciting news that I wanted to share: I am so glad that It is finally happening!

<https://www.nasa.gov/press-release/nasa-to-discuss-new-unidentified-aerial-phenomena-study-today/>



--

Ravi Kopparapu

NASA Goddard Space Flight Center

Greenbelt, MD 20771

email: ravikumar.kopparapu@nasa.gov

From: (b) (6)
To: lonnie.shekhtman@nasa.gov; [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
Subject: [EXTERNAL] I hope NASA find the water ice on the moon's south pole and UFO observation on Artemis 3 mission to the moon. And Life on Mars with Artemis Missions.
Date: Tuesday, June 14, 2022 9:13:54 AM
Attachments: [NASA AP2-95-525.pdf](#)
[J. M. P. Executive Order.pdf](#)
[NASA JSC UFO Crypto room.pdf](#)
[Lost NASA Negative number AS10-28-3993.pdf](#)
[Lost NASA Negative numbers AS11-36-5319 and AS11-37-5506.pdf](#)
[NASA Mars Photo Description.pdf](#)
[NASA Mars Photography Index.pdf](#)

To NASA Administrator Mr. Bill Nelson.

I hope NASA find the water ice on the moon's south pole and UFO observation on Artemis 3 mission to the moon. And life on Mars with Artemis Missions.

CIA know the truth about the UFO's coming from Mars and other planets from our solar system.

NASA Photo 76-HC-655 showing the blue sky on Mars lost from NASA center. NASA Photo 76-HC-660 is the same photo like NASA Photo 76-HC-655 showing the blue sky on Mars.

Let me know about the UFO observation's on Artemis 3 mission to the moon.

E-mail (b) (6)

Sincerely,

(b) (6)

National Aeronautics and
Space Administration
Lyndon B. Johnson Space Center
2101 NASA Road 1
Houston, Texas 77058-3696



Reply to Attn of: **AP2-95-525**

November 2, 1995

Mr. (b) (6)
(b) (6)

Dear Mr. (b) (6):

This is in response to your letter of October 4, 1995, in which you asked that we respond to some questions you have about UFO's from Apollo 10, Apollo 11, and Apollo 13.

We do not have any documents or information that would respond to your request. NASA is not engaged in a research program involving UFO's. We are aware of the many UFO reports made in recent years; however, the majority of inquiries to NASA concerning UFO sightings address themselves to the reported sightings by astronauts during Earth orbital and lunar missions. In every instance, NASA satisfied itself that what had been observed was nothing which could be termed abnormal in the space environment.

Enclosed please find the photographs that you sent to us.

Your interest in the U.S. Space Program is appreciated.

Sincerely,

Bunda L. Dean

Bunda L. Dean
Public Mail Coordinator
Education and Information
Services Branch
Office of Public Affairs

Enclosures

1987 Request for an Executive Order

Written By: Unknown
Posted: 5/3/2001

REQUEST FOR AN EXECUTIVE ORDER

J.M.P. / letter to President Ronald Reagan
Reprinted copies to members of Congress and the press. 4 Dec 1987

President of the United States
The White House
1600 Pennsylvania Avenue
Washington, DC 20500

4 Sep. 1987

Dear Mr. President:

The CIA has made a mockery out of our constitution. Our elected representatives have no idea what we in the Military have done and are still doing, since the CIA decided that "they do not have a need to know," making it mandatory for all of us in the Military and Government, both active and retired, who have knowledge regarding UFOs, to testify with total immunity before a special congressional committee. The CIA can not object, because officially "UFOs do not exist."

The UFO cover-up is not in our national security interest. It should be stopped, because it hurts military morale. Our group, Justice for Military Personnel (JMP), consists of retired military personnel who were affected by, or involved in different capacities with the UFO cover-up. Under orders of the CIA, in the "interest of national security," we took part in intentionally misleading the nation, manipulating the press, the courts and most politicians.

INTRODUCTION:

The CIA UFO cover-up, is being perpetrated against the American people and not our potential enemies. The Russians have a whole town exclusively for UFO research. The CIA insists that the UFO cover-up must be kept at all costs, otherwise the military will be ineffective. The CIA correctly maintains, that military personnel will disobey orders when confronted by UFOs. For example, during the Vietnam War, pilots refused orders to fly night missions against UFOs. Since fatal accidents, UFO related, are relatively rare (with the exception of the Vietnam War), the CIA prefers to maintain the cover-up.

NSA, NASA, CIA, RAND and AFOSI associates, have informed us that UFOs have many origins. Some obviously represent civilizations, thousands of years more advanced than we are. Almost everything about them, their motives and operations are strange and incomprehensible to us. There is little we can do to protect ourselves from them. The Air Force is totally helpless to handle the situation, because of UFO's incredible flight performance. The CIA and Pentagon are bewildered by UFOs' apparent ability to jam all our ground and air electronic equipment, or instantaneously disable all our weapons control systems. The CIA has decided to try to understand and duplicate UFO propulsion systems at all cost. This means that pilot lives have been sacrificed in UFO chases to get "UFO samples" for research, therefore 'Ignorance is Bliss.'

RAND maintains that the CIA is gambling that a major catastrophe, such as the July, 1952, mass UFO appearance over Washington, DC and the White House, will not happen again, so that no "explanations will be needed. NORAD, along with many of us in the armed forces, bitterly oppose perpetuation of this cover-up, pointing to the public panic potential of the 1952 disaster. We in the JMP feel that too many military personnel suffered or died as a result of not being informed about UFOs. It is time to tell our armed forces the truth. IT IS UNCONSCIONABLE to continue to use military personnel as guinea pigs.

CRIMES WE COMMITTED UNDER CIA PRESSURE:

Forty years ago, the cover-up was confined to a very few individuals within the Military and Government. Today, many thousands are effected or involved. This deceitful CIA policy is breeding resentment in the services, for we were ordered to act illegally, against our fellow military personnel and our nation. Our JMP group has many military personnel and others who are waiting to testify. The following are a few examples of deceptive activities we carried out while on active duty:

- 1: We intentionally ordered pilots to shoot at UFOs, with the hope of acquiring a UFO for research purposes. These resulted sometimes in instant explosions and death to the pilots or instantaneous "disappearances" of pilot and plane. The UFOs occupants seem to be monitoring all of our pilots' actions. We analyzed hundreds of UFO gun camera films and it seems that some UFOs are remote controlled.

2. We have strictly silenced military pilots who reported UFOs. We do not allow our pilots to discuss UFO chases EVEN AMONG THEMSELVES.

3. We interrogated, intimidated and harassed military personnel who saw UFOs, to "convince" them

(excluding pilots and astronauts), that they "did not see" what they saw; frightened them with the prospect of long prison sentences if they told anyone what they saw; transferred them alone to bases around the world, where, even if they were to talk, nobody would believe them; forced some of them into mental institutions; jailed them; destroyed their military careers; did everything possible to intimidate UFO witnesses by fear into self doubt and silence.

4. We distributed fraudulent information, through Military and Government spokesmen or scientists, to debunk all public UFO sightings.

5. We forced the FAA, NASA, and other Government agencies to conform to CIA UFO policies.

6. We violated the Freedom of Information Act by hiding documents.

7. We smeared commercial pilots who publicly reported UFOs and forced their companies to silence them.

8. We did not confirm when civilian planes around the world also temporarily lost control or completely disappeared when UFOs were present. We slandered ruthlessly some of our most outstanding and competent citizens, who dared to report UFO sightings, while we knew all along that they were telling the truth, as we tracked the UFOs on radar.

10. We silenced Congressmen and Senators who requested UFO information for their constituents. These representatives are now silent partners to this cover-up and are consequently directly responsible for all the crimes we committed.

PRESS IN DEFAULT:

The national UFO debunking campaign ordered by the CIA in 1953, published books and planted hundreds of articles in the press, to create an atmosphere of ridicule around the subject of UFOs, falsely creating "UFO contacts" and "UFO" hoaxes. This campaign which is still in effect today, infiltrated major civilian UFO groups, to ridicule them or divert their efforts towards "other explanations." This UFO cover-up has been successful beyond CIA's highest expectations, due primarily to the brilliant manipulation of the press by the CIA via the ridicule strategy. The Establishment Press, afraid of being ridiculed, proved to be gullible beyond belief to "official statements."

The press, for example, in attempting to divorce itself completely from UFO data, did not question why the CIA refused to give UFO information to the then Senator Barry Goldwater who at the time was chairman of the Senate Intelligence Committee. IF SENATOR GOLDWATER (WHO HAS BEEN AWARE OF THE COVER-UP) DOES NOT HAVE A HIGH ENOUGH SECURITY CLEARANCE TO GET UFO INFORMATION, THEN WHO IN OUR GOVERNMENT DOES? The press failed to ask, if UFOs "do not exist," why did the CIA tell Senator Goldwater that UFO data is classified "above top secret" and "above any other secret in the USA"? The CIA debunking campaign, using some of the best brains in this country, slowly "educated" most journalists that they can only be rewarded, by abandoning any sense of journalistic ethics when it comes to reporting about UFOs.

One of the most audaciously deceptive acts by the CIA involved President Carter (who himself had sighted a UFO), when he requested NASA to look into the possibility of UFO research. Until that moment, all of us who were involved with the UFO cover-up assumed that the President was informed by the CIA about UFOs the moment he entered office and that he was aware of the huge sum of money invested in UFO research since 1953. Until that moment, IT WAS INCONCEIVABLE to us that the President of the United States would be kept totally uninformed by the CIA.

At that time, NASA's scientific team concluded that the UFO cover-up should end because the public already knew that most astronauts in space photographed UFOs, or had been followed by UFOs, and that the astronauts were forced by regulations to lie to the press. Shortly before NASA's release of the news to the press, the CIA insisted on continuing to maintain the cover-up and pressured NASA to lied to the public. NASA therefore released a statement dictated by the CIA, contradictory to their own scientists' conclusions. Victor Marchetti (former Executive Assistant to the Deputy Director of the CIA), openly maintains that President Carter probably was forced to participate in the CIA's UFO cover-up.

Most of the preposterous "explanations" of UFOs were originated by the CIA's debunking headquarters, and disseminated to the public mostly through the Air Force, FAA, FBI, CIA, NASA, NORAD or Pentagon spokesmen. These shocking, mind boggling "explanations" (swamp gas, stars, etc.), released usually after long delays, often constituted an insult to American public intelligence, instead of an explanation. Though these "explanations" often were not logical, scientific, or factual at all, they were eagerly accepted by the press, which was relieved to quickly dispose of "another UFO story." There were often sharp contradictions between these "explanations" and the pilots and radar controllers' statements, which rarely seemed to bother the press, who claim to be Government watchdogs.

SCIENTIFIC COMMUNITY IN DEFAULT:

Project 'Blue Book', the 'Condon Report', and many notable scientists, are part of the CIA's cover-up. The 'Condon Report' is a scientific farce which was immediately exposed as a fraud by the late Professor James E. MacDonald (world's foremost, non CIA, authority on UFOs). The 'Condon Report' has been heavily criticized ever since by all other competent scientists (who do not work for the CIA), who actually examined the report in depth. Incredible as it seems, many in the scientific community today have not, and still regard the 'Condon Report' as an impartial scientific study. This attitude is a source of much amusement and self satisfaction in the intelligence community. This manipulation of American public opinion and the advanced mind control techniques employed by the CIA, were described by one Air Force doctor as: "Psychiatric Fascism contradictory to any democratic principles."

FBI associates defined the UFO cover-up as the biggest crime ever perpetrated against our people. The CIA, in the name of "National Security Interest," has flagrantly violated the letter and spirit of the law. The Uniform Code of Military Justice DOES NOT offer our soldiers any protection regarding this cover-up. As JMP members, we are torn between our desire to maintain the military oath of secrecy and our sense of ethics as responsible loyal citizens of this great nation. Yet we are fully dedicated to preventing the UFO cover-up from continuing to be the status quo in this free nation. When our country requests us in the military to give up our lives for this land, the least the Government can do, is tell us against whom we are fighting and why. We have the right to know.

JMP CIVIL RESPONSIBILITY:

Lack of competent news reporting on this issue, has led to the creation of JMP. We feel it is our responsibility to speak up for our citizens who are still on active military duty. A RAND study indicates that, barring unforeseen circumstances, the CIA may continue the cover-up unabated under the umbrella of secrecy and ridicule. JMP members therefore have prepared a program that may effectively disintegrate the UFO cover-up. NSA associate commented to us: "...once the nation will learn the magnitude of the UFO cover-up, it may lead to a sense of awakening and outrage which could lead to civil disobedience acts that will make the Boston Tea Party pale by comparison, and may lead to the downfall of the CIA."

The CIA's collapse is not our intention because the CIA is important for national defense. There is a need to preserve whatever integrity the CIA may still have in the American public's eyes. The issue of this letter is not CIA credibility, but our Government's credibility. This insane CIA's UFO cover-up must end. It is a 'Time-Bomb' which can't be disarmed. This 'Time-Bomb' according to RAND, is gaining momentum and must explode one day, LET US EXPOSE IT NOW AND HELP SAVE ADDITIONAL UNNECESSARY LOSS OF MILITARY LIVES.

This letter intentionally omits the most spectacular events in the UFO cover-up. Members of JMP felt that it will be more appropriate that the President himself, once informed by the CIA, will disclose these events to the nation. We regret the anonymity of this letter, but we have no other choice because the CIA has a clear policy of eliminating any insiders who may expose the UFO cover-up. As soon as the Executive Order is issued, we will be the first to testify. Please reply via the 'MUFON UFO Journal.'

Mr. President, you have a unique opportunity in the history of mankind. With the interest of national security and unity in our hearts, we respectfully wait for your actions.

J.M.P.
San Antonio, TX

Former NASA Employee Saw UFO 's in the "crypto" room.

When I first started working for NASA, its initials, not the name, National Aeronautics and Space Administration, was how it was referred to. NASA is with whom I began employment in 1958 as a security guard on Wayside in Houston Texas. They hadn't even started building Manned Spacecraft Center at Webster yet, which would later be called MSC at Clear Lake.

In 1961, I transferred to the Fire Department at the fledgling MSC and started training as a Fire and Safety Technician. The contractor responsible for Fire and Safety was Houston Fire and Safety. They held the contract for five years, losing out to Wackenhut Corporation out of Coral Gables Florida in 1966 because Wackenhut incorporated all phases of fire, safety and security under one blanket contract. Some say that George Wackenhut had first, Kennedy's, then Johnson's ear, but I haven't seen proof of it.

Everybody who hired in as a Fire Fighter was cross-trained in almost every aspect of maintenance operations. I attended numerous schools on fire alarm systems, pump repair, electrical and mechanical maintenance, physical plant operations, and last and certainly not the least, fire, safety and security. We were told that we had to pass a very rigid security clearance investigation, and that our job would be forfeit if we did no pass. I passed with flying colors and kept my job. There were several who did not pass, and we were never told why they had been laid off.

When I started, there were approximately three hundred eighty men who were attached to the fire department there at MSC. I saw a lot of men come and go during my twenty-six years of employment, but I never saw anyone who was willing to speak out about the rigid security. Even in later years, I kept in touch with several of my closest friends, when conversations turned to anything we were told not to talk about, there was always someone there to remind us that we had been told not to discuss it, even after we were no longer there.

I saw things, and heard statements from Astronauts that I didn't discuss, even with my wife or family. It was like a gigantic trust handed us and we honored it. To this day, I don't talk about everything I heard when I was around the Astronauts, at least not in detail.

There were several incidents that occurred during my tenure as an employee and to several of the Fire Fighters that got all of us thinking about how our government wasn't telling all they knew. For instance, in Building #1 on Johnson Space center, which was Building #2 when I first started work there, most of the north center of the second floor was the "crypto" room. We didn't know what went on in the room, but we did know that we weren't allowed in the room under normal circumstances. However, when an alarm came in at the Fire Station, we responded to the floor of the building that showed up on the enunciator panel at the station, One time, around 1964, we responded to Bldg.#2 to find that the alarm originated from the "crypto" room.

However, the doors were open and we just walked in to check the minor panel located there. The whole east wall was covered with photos of UFOs. As we finished up, the officer of that room came back in and found us there. He actually pulled his sidearm and pointed it at us before demanding to know why we had entered that room.

He eventually accepted our explanation, but it took Everette D. Shafer*, head of NASA Security to vouch for us before the man would shut off his threats towards us. Everette Shafer reminded him, that had the armed officer been there in the room with the door locked, the incident could have been avoided. No, that was one very unhappy officer. I think he was Air

Force, but I could be wrong; he was a Captain, I do remember that. When I came back from the Cape in 1968, we had another incident in the very same room, and the same officer was there also.

This time, he had Mr. Shafer to give the okay for us to enter the room, with him as our armed escort. But this time the walls on all four sides were photo-to-photo of UFOs and other very strange looking aircraft. We did our job, got out of there, but Mr. Shafer and the officer both told us to not speak to anyone of what we saw or observed in that room, ever!

Addendum: 03-13-05

Til: Russell, Mary J. (JSC-AP)[TES]
Emne: RE: NASA Apollo slides.

-----Original Message-----

From: Russell, Mary J. (JSC-AP)[TES] [mailto:mary.j.russell-1@nasa.gov]
Sent: Monday, June 02, 2008 4:04 PM
To: (b) (6)
Subject: RE: NASA Apollo slides.

AS10-28-3993 was sent to HPI in March 2007 on a job for you. It has been lost and never returned to our office. We don't have another copy of that negative.

Would you like to select another photo id? No.

*Jody Russell
Still Photo & Video Librarian / Researcher
Media Resource Center
NASA Johnson Space Center
Bldg. 423 / AP32 / JIMMS
2101 NASA Parkway
Houston, TX 77058
(281) 483-2976 - Telephone
(281) 483-2848 - Fax
mary.j.russell-1@nasa.gov*

(b) (6)

Fra: Russell, Mary J. (JSC-AP)[TES] [mary.j.russell-1@nasa.gov]
Sendt: 22. juni 2007 23:13
Til: (b) (6)
Emne: RE: NASA Apollo 11 Slides

You order the following 2 negatives for reproduction by Houston Photo Imaging (HPI) on March 12, 2007. The negatives have been lost in transit from HPI to our office and are currently not available: AS11-36-5319 and AS11-37-5506

If they are located, I will let you know.

Jody Russell
Still Photo & Video Librarian / Researcher
Media Resource Center
NASA Johnson Space Center
Bldg. 423 / AP32 / JIMMS
2101 NASA Parkway
Houston, TX 77058
(281) 483-2976 - Telephone
(281) 483-2848 - Fax
mary.j.russell-1@nasa.gov

-----Original Message-----

From: (b) (6) [mailto:(b) (6)]
Sent: Friday, June 22, 2007 9:20 AM
To: Russell, Mary J. (JSC-AP)[TES]
Subject: NASA Apollo 11 Slides

Viking I Lander Pictures

DESCRIPTION	B&W PHOTO NO.	COLOR PHOTO NO.
First photo taken of Mars surface	76-H-556	
First panoramic view of Mars surface	76-H-557	
High resolution photo of Martian surface	76-H-559	
Foot pad and debris on surface	76-H-560	
Crater Arandas	76-H-569	
Computerized overlay for digging purposes	76-H-570	
Etched figure "8" on rock	76-H-571	
U.S. Flag and insignias on spacecraft	76-H-572	
Area N.E. of spacecraft	76-H-573	
Boom latch pin ejected	76-H-574	
Stereo coverage of Mars looking southeast from the spacecraft	76-H-752	76-HC-774
Martian sunset over Chryse Planitia on 8/20/76 (same as 76-HC-742)	76-H-749	
Sand dunes and large rocks	76-H-624	
Viking I's meteorology instrument	76-H-625	
Viking's footpad	76-H-616	
Trench dug by sampler	76-H-580	
Viking landscape showing dune field	76-H-620	
Viking I's collector head	76-H-638	
First color photo taken on surface (Blue Sky)	76-H-558	76-HC-655
Corrected version of 76-HC-655		76-HC-660
Surface of Mars, portion of spacecraft showing		76-HC-661
Mars surface; portion of Viking I; U.S. Flag; and Bicentennial logo		76-HC-663
Martian sunset over Chryse Planitia	76-H-749	76-HC-742
Color bars	76-H-630	76-HC-700
Mariner Valley	76-H-662	76-HC-691
Chryse area	76-H-686	76-HC-735
Same as 76-HC-615; exaggerated		76-HC-618
A summer day on Mars	76-H-657	76-HC-706
Mars from 560,000 km		76-HC-615
Computer enhanced Martian sunset over Chryse Planitia (enhancement of 76-H-749 & 76-HC-742)	76-HC-803	

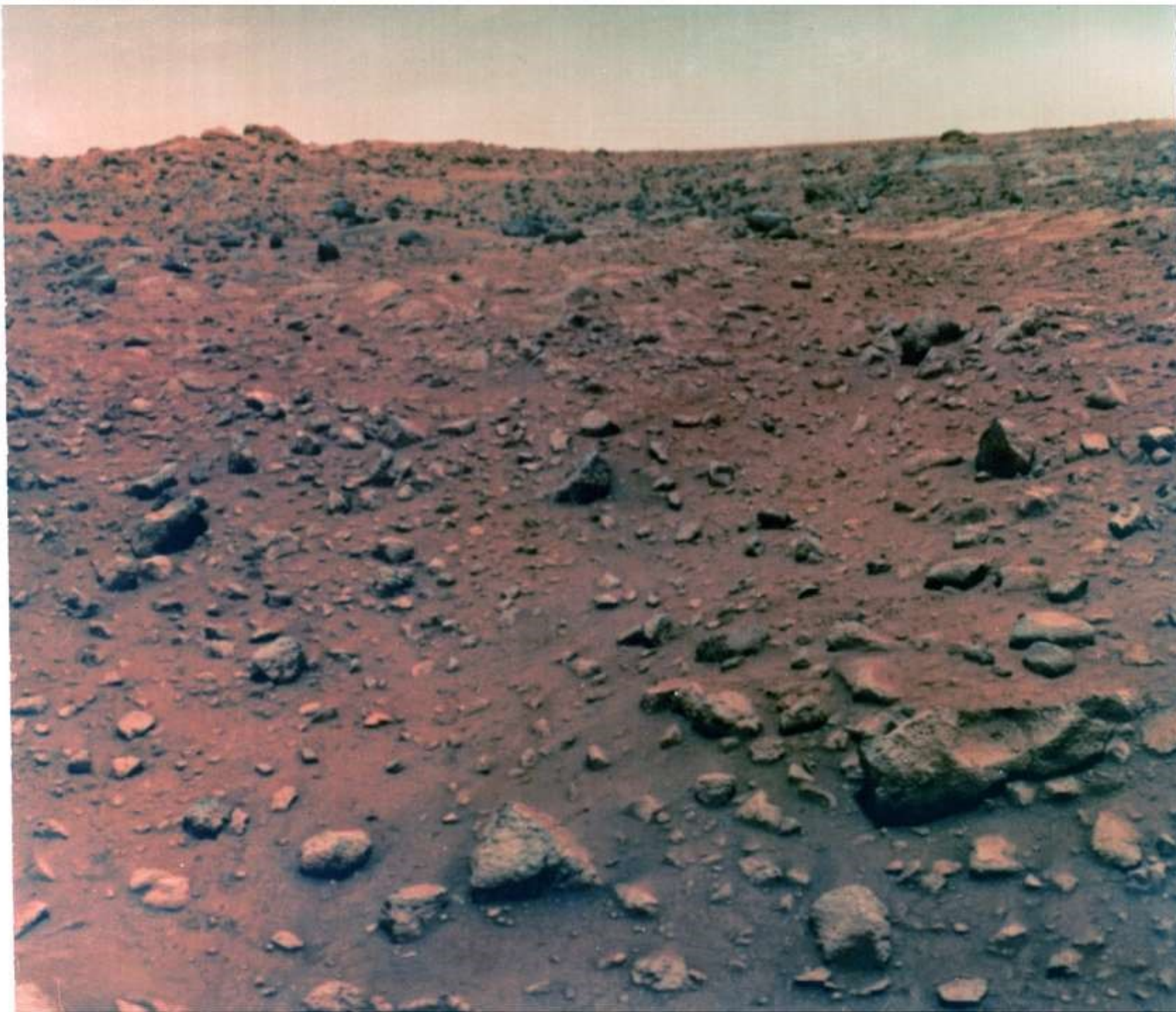
Viking I Orbiter Pictures

DESCRIPTION	B&W PHOTO NO.	COLOR PHOTO NO.
Mars area west of Argyre	76-H-576	
Huge rock formation looks like human head	76-H-593	
Volcanoes in the Tharsis Region near the Equator	76-H-592	
Mariner 9 "South Spot"	76-H-702	
Mars tiny moon, Deimos	76-H-717	
Canyon Valles Marineris	76-H-718	
Equatorial Canyon	76-H-719	
Mariner Valleys	76-H-726	
Color bar	76-H-630	
Martian craters	76-H-642	
Geometric markings	76-H-653	
Mosaic of 15 photos of the "Grand Canyon of Mars"	76-H-751	76-HC-773
Composite of the Noctis Labyrinthus with bright clouds of water ice during sun rise	76-H-781	76-HC-791
Mosaic of Phobos	77-H-97	
Close up of Phobos	77-H-100	

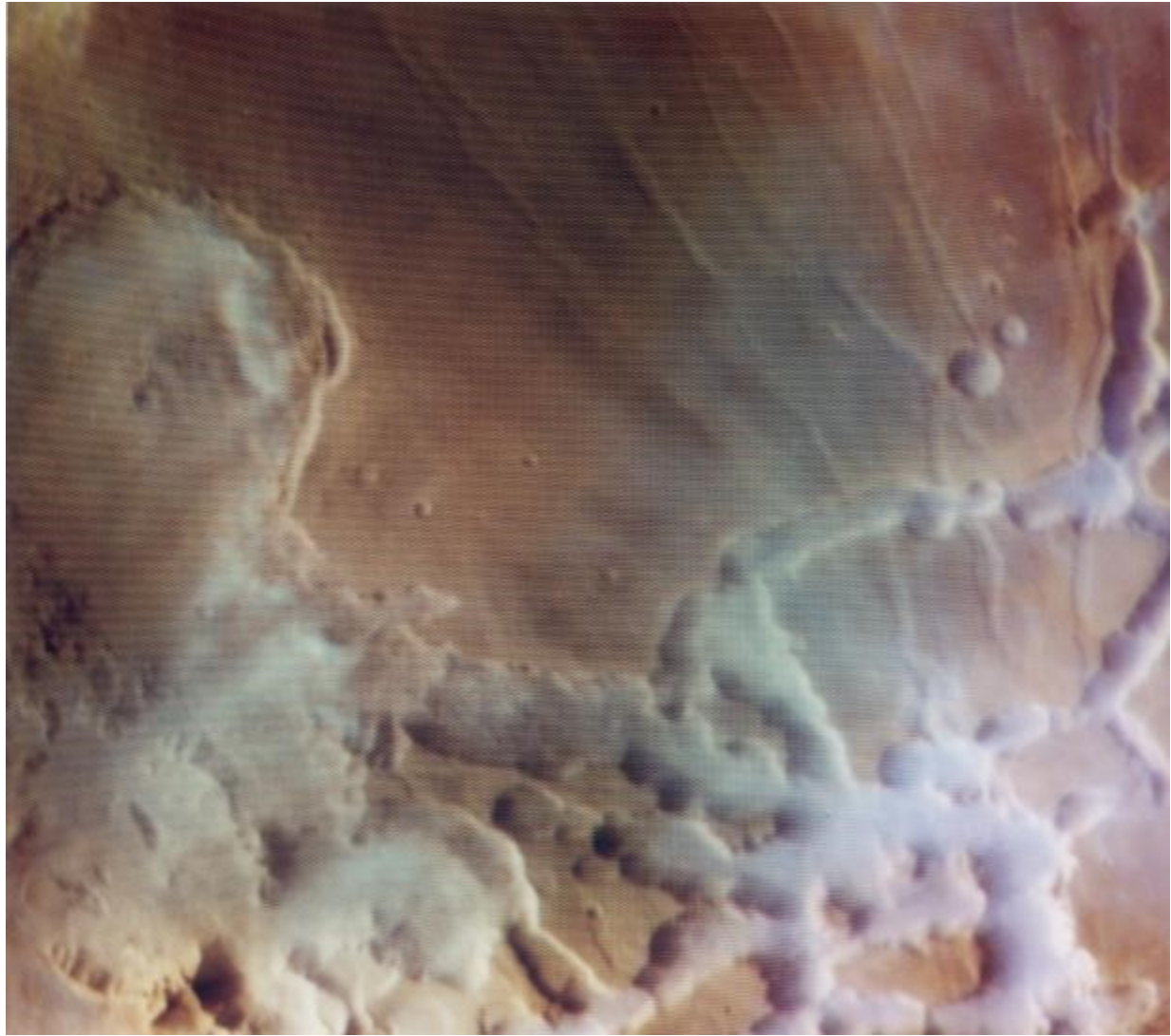


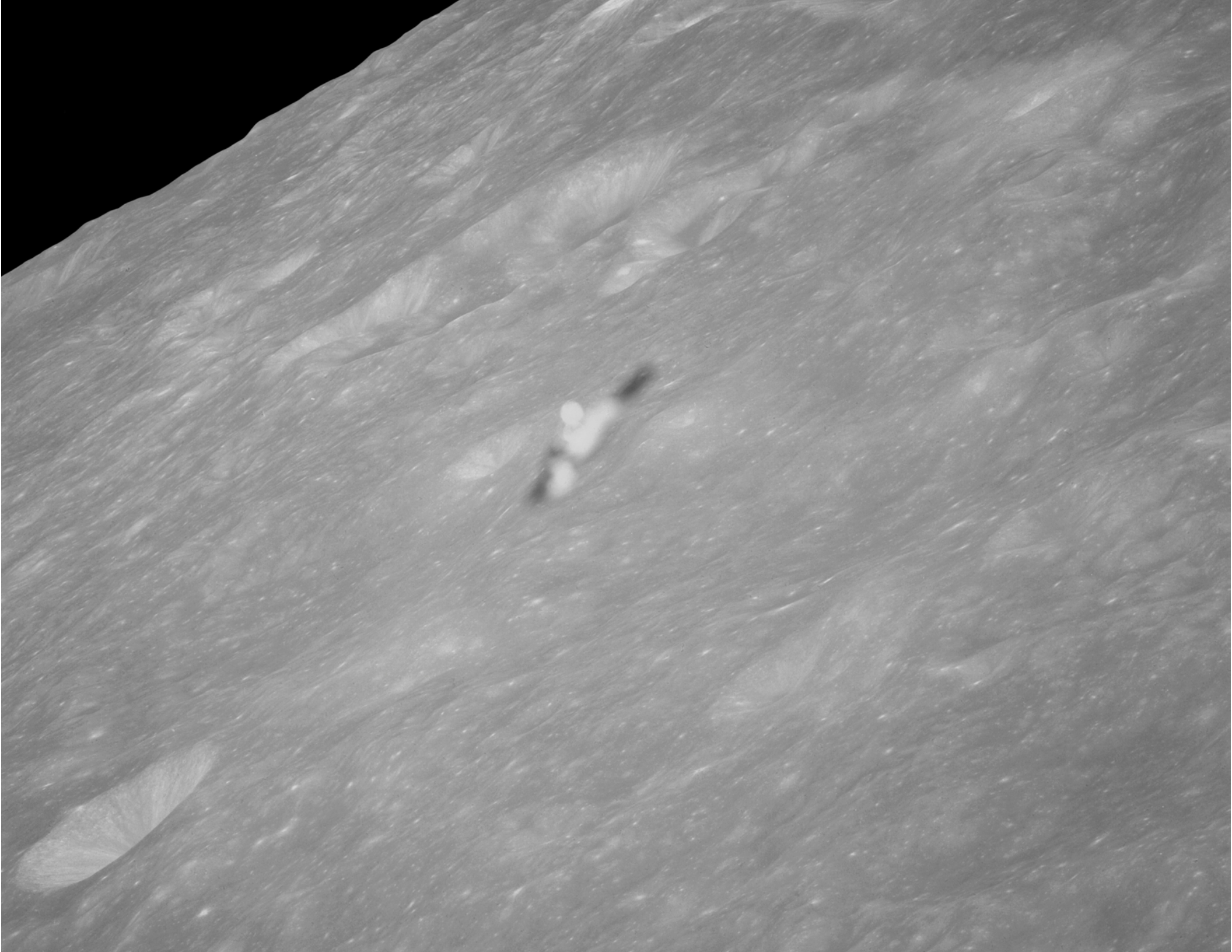


NASA 76-HC-655



NASA 76-HC-660



















From: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
To: [Kopparapu, Ravi Kumar \(GSFC-6990\)](#)
Date: Tuesday, June 14, 2022 2:13:54 PM

one of the reporters directly asked: why are you using search-for-life language with the UAP project?

From: [Gran, Rani C. \(GSFC-1300\)](#)
To: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#); [Jones, Nancy N. \(GSFC-1300\)](#)
Subject: FYI on Ravi and SMD UAP answers to interview requests
Date: Friday, June 24, 2022 7:02:27 PM

Update on UAP media requests,

Karen Fox has asked to stand down on UAP interviews until NASA's independent committee has a chance to do their work.

Karen suggested email response is below.

Ravi will be out of the country for most of the summer. However, he informed Lonnie and me that he is giving a few science conference presentations on his work and says that reporters might be there.

Regardless, Ravi will let us know if that happens. Also, I know his current UAP answers align with SMD talking points. Plus, Ravi does not have anything new to say. He has repeated the same answers repeatedly in all his interviews.

He knows not to speculate and will say he supports NASA's decision to create the committee and conduct the investigation.

Rani

From: Fox, Karen C. (HQ) <karen.c.fox@nasa.gov>
Sent: Wednesday, June 15, 2022 10:50 AM
To: Garner, Robert C. (GSFC-1300) <rob.garner@nasa.gov>
Subject: Re: UAP Interview Request

Here's my basic email:

Until we have more information from the study, we don't have anything to offer in the way of interviews right now. But I'll point you here for the information we have shared so far:

--Media briefing: <https://www.youtube.com/watch?v=qPQ05LWB0s0>

--Web posting: <https://www.nasa.gov/feature/nasa-to-set-up-independent-study-on-unidentified-aerial-phenomena/>

--

Karen C. Fox
Senior Science Communications Officer
Office of Communications

--

Rani C. Gran (she/her)
Office of Communications
Mail Code 420, B36, S470
NASA Goddard Space Flight Center
Greenbelt, MD. 20771
Work Cell : (b) (6)
Phone: 301-286-2483

From: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
To: [Jones, Nancy N. \(GSFC-1300\)](#)
Date: Friday, June 24, 2022 11:47:31 AM

Also, FYI" I'm going to handle Ravi while Rani is out. Is that OK? He asked me to and I love the UAP stuff ...

From: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
To: [Gran, Rani C. \(GSFC-1300\)](#)
Date: Friday, June 24, 2022 11:52:27 AM

Nancy says I need a data dump on procedures for handling UAP queries

From: [Gran, Rani C. \(GSFC-1300\)](#)
To: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
Date: Friday, June 24, 2022 12:35:45 PM

Karen wants us to stand down on UAP interviews until the NASA committee puts out his recommendations at the end fo the summer.

From: [Gran, Rani C. \(GSFC-1300\)](#)
To: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
Date: Friday, June 24, 2022 12:37:01 PM

I'm going to forward you and email response that Karen has been sharing with reporters with questions on UAP. She provides a link to the audio of the press briefing and NASA FAQs.

From: [Gran, Rani C. \(GSFC-1300\)](#)
To: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
Date: Friday, June 24, 2022 12:40:58 PM

Ravi, will repeat answers he already said about UAP, and say something nice about he is glad that NASA is organizing the committee.

From: [Kopparapu, Ravi Kumar \(GSFC-6990\)](#)
To: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#); [Gran, Rani C. \(GSFC-1300\)](#)
Subject: Re: Ravi's travel + media requests
Date: Friday, June 24, 2022 12:55:46 PM

Ok, will do!

Tahnks!

--

Ravi Kopparapu
NASA Goddard Space Flight Center
Greenbelt, MD 20771
email: ravikumar.kopparapu@nasa.gov

From: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]"
<lonnie.shekhtman@nasa.gov>
Date: Friday, June 24, 2022 at 1:55 PM
To: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>, "Gran, Rani C. (GSFC-1300)" <rani.c.gran@nasa.gov>
Subject: Re: Ravi's travel + media requests

Ravi, one more thing: If you DO get UAP Qs from reporters after any of your upcoming talks, let us know.

Lonnie

--

Lonnie Shekhtman
Senior Science Writer
Solar System Exploration
NASA's Goddard Space Flight Center
301-614-6833

From: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>
Date: Friday, June 24, 2022 at 10:41 AM
To: "Gran, Rani C. (GSFC-1300)" <rani.c.gran@nasa.gov>
Cc: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>
Subject: Ravi's travel + media requests

Hi Rani and Lonnie,

There are couple of items that I was hoping to bring to your attention.

- I will be giving an opening talk at a [Technosignature conference at Penn State](#) next week. It is a review of exoplanetary SETI work. There might be some reporters there, and I am not sure if anyone will ask anything. Just letting you all know.
- I will be in (b) (6) Most importantly, I was asked to give multiple work related talks, and a public talk between July 11- 15. The work talks are fine; the public talk should also be fine, but again, just letting you know if you see something anywhere in the news.

Rani is probably going to be on vacation around the same time I will be (b) (6). Could Lonnie be my contact during that time? You two are the only people who understand my work and I will feel comfortable communicating with you, just in case.

Thank you!

Ravi

--

Ravi Kopparapu

NASA Goddard Space Flight Center

Greenbelt, MD 20771

email: ravikumar.kopparapu@nasa.gov

From: [Kopparapu, Ravi Kumar \(GSFC-6990\)](#)
To: [Gran, Rani C. \(GSFC-1300\)](#); [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
Subject: Re: Current Answers: UAP Interview Request
Date: Saturday, June 25, 2022 8:42:56 AM

Thank you Rani. Understood. However, I am also on the AIAA committee, so I have to do my duties with respect to that role, if anything comes up regarding the science aspects. I will make sure to defer any questions related to the NASA committee.

Best

Ravi

--

Ravi Kopparapu
NASA Goddard Space Flight Center
Greenbelt, MD 20771
email: ravikumar.kopparapu@nasa.gov

From: "Gran, Rani C. (GSFC-1300)" <rani.c.gran@nasa.gov>
Date: Friday, June 24, 2022 at 7:51 PM
To: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>, "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>
Subject: Current Answers: UAP Interview Request

Hi Ravi and Lonnie,

NASA Hq asked us to stand down on UAP interviews. If you get questions about UAP at your presentations, you can answer the questions the way you always have and say we hope to know more after NASA's committee complete their study.

--

Rani C. Gran (she/her)
Office of Communications
Mail Code 420, B36, S470
NASA Goddard Space Flight Center
Greenbelt, MD. 20771
Work Cell : (b) (6)
Phone: 301-286-2483

From: [Kopparapu, Ravi Kumar \(GSFC-6990\)](#)
To: [Clare Sziranyi](#); [Gran, Rani C. \(GSFC-1300\)](#)
Cc: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
Subject: Re: confirming RNZ interview tomorrow
Date: Tuesday, September 6, 2022 5:13:38 PM

Hello Nga,
Yes, confirming the interview for tomorrow at 6pm U.S ET.
Best
Ravi

--

Ravi Kopparapu
NASA Goddard Space Flight Center
Greenbelt, MD 20771
email: ravikumar.kopparapu@nasa.gov

From: Clare Sziranyi <(b) (6)>
Date: Tuesday, September 6, 2022 at 6:12 PM
To: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>, "Gran, Rani C. (GSFC-1300)" <rani.c.gran@nasa.gov>
Cc: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>
Subject: [EXTERNAL] confirming RNZ interview tomorrow

Hello again Ravi

Confirming our interview with you in just under 24 hours

Sep 7th at 6pm U.S Eastern time

Via zoom (audio not video)

RNZ Ninetoonoon is inviting you to a scheduled Zoom meeting.

Topic: Nine to Noon's interview with Ravi Kopparapu.

Time: Sep 8, 2022 10:05 AM Auckland, Wellington

Join Zoom Meeting

<https://us06web.zoom.us/j/85112306872?pwd=NHdoQ2EyeFlNbWszM3B1L01PRHk0dz09>

Meeting ID (b) (6)
Passcode: (b) (6)

We have this number as your back up (b) (6)

Any problems – please email me.

We're very much looking forward to talking with you about your work on habitable planets.

Nga mihi,

Clare Sziranyi | Executive Producer | Nine to Noon

*Radio New Zealand, Level 2, 155 The Terrace, PO Box 123, Wellington 6011, New Zealand
(DDI +64 4 474 1977 | E Mobile + (b) (6) |
(b) (6) | www.rnz.co.nz/ninetonoon

From: Kopparapu, Ravi Kumar (GSFC-6990) <ravikumar.kopparapu@nasa.gov>

Sent: Saturday, 13 August 2022 2:04 AM

To: Clare Sziranyi <(b) (6)> Gran, Rani C. (GSFC-1300)
<rani.c.gran@nasa.gov>

Cc: Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC] <lonnie.shekhtman@nasa.gov>

Subject: [EXTERNAL] -- Re: -- Re: Radio New Zealand interview request

Hi Clare and Rani,

Sep 7, 6pm U.S ET is good for me. Please send a remote connection link when possible.

Best

Ravi

--

Ravi Kopparapu

NASA Goddard Space Flight Center

Greenbelt, MD 20771

email: ravikumar.kopparapu@nasa.gov

From: Clare Sziranyi <(b) (6)>

Date: Thursday, August 11, 2022 at 2:59 PM

To: "Gran, Rani C. (GSFC-1300)" <rani.c.gran@nasa.gov>, "Kopparapu, Ravi Kumar (GSFC-

6990)" <ravikumar.kopparapu@nasa.gov>

Cc: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>

Subject: RE: [EXTERNAL] - Re: - - Re: Radio New Zealand interview request

Hi Rani

Yes the focus is on habitable planets.

Happy not to discuss UAPs.

Can we proceed with the original date?

Sep 7th at 6pm U.S Eastern time

Nga mihi,

Clare Sziranyi | Executive Producer | Nine to Noon

*Radio New Zealand, Level 2, 155 The Terrace, PO Box 123, Wellington 6011, New Zealand

(DDI +64 4 474 1977 | E Mobile + (b) (6) |

(b) (6) | www.rnz.co.nz/ninetonoon

From: Gran, Rani C. (GSFC-1300) <rani.c.gran@nasa.gov>

Sent: Friday, 12 August 2022 2:49 AM

To: Kopparapu, Ravi Kumar (GSFC-6990) <ravikumar.kopparapu@nasa.gov>; Clare Sziranyi <(b) (6)>

Cc: Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC] <lonnie.shekhtman@nasa.gov>

Subject: Re: [EXTERNAL] - Re: - - Re: Radio New Zealand interview request

Hi Claire,

If the focus is on habitable planets, we can move forward with and interview on that topic..
We will have nothing new to say about UAPs right now.

Rani

--

Rani C. Gran (she/her)

Office of Communications

Mail Code 420, B36, S470

NASA Goddard Space Flight Center
Greenbelt, MD. 20771
Work Cell : (b) (6)
Phone: 301-286-2483

From: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>
Date: Wednesday, August 10, 2022 at 7:07 PM
To: Clare Sziranyi <(b) (6)> Rani Gran <rani.c.gran@nasa.gov>
Cc: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>
Subject: Re: [EXTERNAL] - Re: - - Re: Radio New Zealand interview request

Hi Clare,
Just for clarification, is the interview about habitable planets, or UAPs?
Thanks
Ravi

--
Ravi Kopparapu
NASA Goddard Space Flight Center
Greenbelt, MD 20771
email: ravikumar.kopparapu@nasa.gov

From: Clare Sziranyi <(b) (6)>
Date: Wednesday, August 10, 2022 at 5:35 PM
To: "Gran, Rani C. (GSFC-1300)" <rani.c.gran@nasa.gov>, "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>
Cc: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>
Subject: RE: [EXTERNAL] - Re: - - Re: Radio New Zealand interview request

Hello Rani

No problem. When would be a good time to try again?

Nga mihi,

Clare Sziranyi | Executive Producer | Nine to Noon

*Radio New Zealand, Level 2, 155 The Terrace, PO Box 123, Wellington 6011, New Zealand
(DDI +64 4 474 1977 | 📞 Mobile + (b) (6) |
(b) (6) | www.rnz.co.nz/ninetonoon

From: Gran, Rani C. (GSFC-1300) <rani.c.gran@nasa.gov>
Sent: Thursday, 11 August 2022 9:25 AM
To: Clare Sziranyi <(b) (6)> Kopparapu, Ravi Kumar (GSFC-6990)
<ravikumar.kopparapu@nasa.gov>
Cc: Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC] <lonnie.shekhtman@nasa.gov>
Subject: Re: [EXTERNAL] - Re: - - Re: Radio New Zealand interview request

Hello Clare,

Right now, NASA is commissioning a study team to start early in the fall to examine unidentified aerial phenomena (UAPs) – that is, observations of events in the sky that cannot be identified as aircraft or known natural phenomena – from a scientific perspective. The study will focus on identifying available data, how best to collect future data, and how NASA can use that data to move the scientific understanding of UAPs forward.

<https://www.nasa.gov/feature/nasa-to-set-up-independent-study-on-unidentified-aerial-phenomena/>

As a result my bosses at HQ wants us to hold off doing media interviews until the study team has something to report.

Rani

--

Rani C. Gran (she/her)
Office of Communications
Mail Code 420, B36, S470
NASA Goddard Space Flight Center
Greenbelt, MD. 20771
Work Cell : (b) (6)
Phone: 301-286-2483

From: Clare Sziranyi <(b) (6)>
Date: Wednesday, August 10, 2022 at 3:43 PM
To: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>
Cc: Rani Gran <rani.c.gran@nasa.gov>, "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>

Subject: RE: [EXTERNAL] - Re: -- Re: Radio New Zealand interview request

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Wonderful thank you so much.

I'll be back in touch closer to the time with zoom link etc.

Nga mihi,

Clare Sziranyi | Executive Producer | Nine to Noon

*Radio New Zealand, Level 2, 155 The Terrace, PO Box 123, Wellington 6011, New Zealand
(DDI +64 4 474 1977 | È Mobile + (b) (6) |
(b) (6) | www.rnz.co.nz/ninetonoon

From: Kopparapu, Ravi Kumar (GSFC-6990) <ravikumar.kopparapu@nasa.gov>

Sent: Thursday, 11 August 2022 7:42 AM

To: Clare Sziranyi <(b) (6)>

Cc: Gran, Rani C. (GSFC-1300) <rani.c.gran@nasa.gov>; Shekhtman, Lonnie (GSFC-690.0) [ADNET SYSTEMS INC] <lonnie.shekhtman@nasa.gov>

Subject: [EXTERNAL] - Re: -- Re: Radio New Zealand interview request

Yes, Sep 7th at 6pm U.S Eastern time is good.

Copying Lonnie and Rani as well in this email.

--

Ravi Kopparapu

NASA Goddard Space Flight Center

Greenbelt, MD 20771

email: ravikumar.kopparapu@nasa.gov

From: Clare Sziranyi <(b) (6)>

Date: Wednesday, August 10, 2022 at 3:41 PM

To: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>

Cc: "Gran, Rani C. (GSFC-1300)" <rani.c.gran@nasa.gov>, "Shekhtman, Lonnie (GSFC-690.0) [ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>

Subject: RE: [EXTERNAL] - - Re: Radio New Zealand interview request

Hello Ravi

Thanks for your prompt reply.

We have another guest in that day – but would **Sept 7 at 6pm** work for you?

Nga mihi,

Clare Sziranyi | Executive Producer | Nine to Noon

*Radio New Zealand, Level 2, 155 The Terrace, PO Box 123, Wellington 6011, New Zealand
(DDI +64 4 474 1977 | 📞 Mobile + (b) (6) |
(b) (6) | www.rnz.co.nz/ninetonoon

From: Kopparapu, Ravi Kumar (GSFC-6990) <ravikumar.kopparapu@nasa.gov>

Sent: Thursday, 11 August 2022 7:39 AM

To: Clare Sziranyi <(b) (6)>

Cc: Gran, Rani C. (GSFC-1300) <rani.c.gran@nasa.gov>; Shekhtman, Lonnie (GSFC-690.0) [ADNET SYSTEMS INC] <lonnie.shekhtman@nasa.gov>

Subject: [EXTERNAL] - - Re: Radio New Zealand interview request

Thank you. Would Tuesday Sep 6 work for you? Sep 5 is a federal holiday here in the U.S, and there is a chance that I might be out of town.

Best

Ravi

--

Ravi Kopparapu

NASA Goddard Space Flight Center

Greenbelt, MD 20771

email: ravikumar.kopparapu@nasa.gov

From: Clare Sziranyi <(b) (6)>

Date: Wednesday, August 10, 2022 at 3:34 PM

To: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>

Cc: "Gran, Rani C. (GSFC-1300)" <rani.c.gran@nasa.gov>, "Shekhtman, Lonnie (GSFC-690.0) [ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>

Subject: FW: [EXTERNAL] - Re: Radio New Zealand interview request

Dear Dr Kopparapu.

Thank you so much for replying to my colleague Lynn Freeman.

She has passed this on to me as she is currently working on another programme.

We would love to talk with you on **Monday September 5 at 6pm Maryland time** - for around 25 minutes by zoom or phone

Would this work for you?

Kind regards,

Nga mihi,

Clare Sziranyi | Executive Producer | Nine to Noon

*Radio New Zealand, Level 2, 155 The Terrace, PO Box 123, Wellington 6011, New Zealand

(DDI +64 4 474 1977 | È Mobile + (b) (6) |

(b) (6) | www.rnz.co.nz/ninetonoon

From: Kopparapu, Ravi Kumar (GSFC-6990) <ravikumar.kopparapu@nasa.gov>

Sent: Thursday, 11 August 2022 1:58 am

To: Lynn Freeman <(b) (6)>

Cc: Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC] <lonnie.shekhtman@nasa.gov>; Gran, Rani C. (GSFC-1300) <rani.c.gran@nasa.gov>

Subject: [EXTERNAL] - Re: Radio New Zealand interview request

Hello Lynn,

Thank you for your request and apologies for the delay in reply. I was out of office on vacation. Are you still interested in this interview? If yes, I am copying Lonnie Shekhtman and Rani Gran from Office of Communications to setup a time for us. If not, no worries and my best wishes!

Regards

Ravi

--

Ravi Kopparapu
NASA Goddard Space Flight Center
Greenbelt, MD 20771
email: ravikumar.kopparapu@nasa.gov

From: Lynn Freeman <(b) (6)>
Date: Tuesday, July 5, 2022 at 5:47 PM
To: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>
Subject: [EXTERNAL] Radio New Zealand interview request

Hello from NZ Dr Kopparapu

I work on one of Radio New Zealand's prestige current affairs shows, Sunday Morning, and would like to invite you to speak to the host Jim Mora about your research into the potential habitability of Earth-like planets around other stars.

Our listeners would love to hear from you. I am an avid follower of NASA's Curious Universe podcast which is where I came across your fascinating area of research.

We could pre record an interview given our show happens on your weekend, please just let me know if you are interested and if so, how we could best make this work for you. The interview would be for up to half an hour, via zoom if possible.

Every best wish

Lynn Freeman
Producer
Sunday Morning
RNZ National

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From: [SIBILLE Olivier](#)
To: [Gran, Rani C. \(GSFC-1300\)](#); [Kopparapu, Ravi Kumar \(GSFC-6990\)](#)
Cc: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
Subject: [EXTERNAL] RE: French TV
Date: Wednesday, September 7, 2022 8:38:37 AM
Attachments: [image002.png](#)
[image003.png](#)

Hello

Thank you for your answer.

I would be pleased for sure to get more precisions about what is happening with this study and when Nasa can talk about it.

Hope to hear from you soon.

Kind regards

Olivier SIBILLE

Olivier SIBILLE

Senior Reporter

France 2 – Envoyé Spécial

@oliviersibille

cell / (b) (6)

France Télévisions – 7, esplanade Henri-de-France, 75907 Paris Cedex 15 - FRANCE



De : Gran, Rani C. (GSFC-1300) [mailto:rani.c.gran@nasa.gov]

Envoyé : mardi 30 août 2022 22:12

À : Kopparapu, Ravi Kumar (GSFC-6990) <ravikumar.kopparapu@nasa.gov>; SIBILLE Olivier

<(b) (6)>

Cc : (b) (6) Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]

<lonnie.shekhtman@nasa.gov>

Objet : Re: French TV

Hello Olivier,

Currently, NASA is leading an independent science investigation on UAPS. We want to wait until that study is complete before discussing UAPs again.

I will pass your request on to my counterparts at NASA Hq. They should know more about what is happening with the study and when we can talk about it.

Rani

--

Rani C. Gran (she/her)
Communications Manager
Mail Code 130, B3, 224
NASA Goddard Space Flight Center
Greenbelt, MD. 20771
Work Cell : (b) (6) (best number to reach me)
Phone: 301-286-2483

From: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>

Date: Tuesday, August 30, 2022 at 12:48 PM

To: SIBILLE Olivier <(b) (6)>

Cc: (b) (6) <(b) (6)> Rani Gran <rani.c.gran@nasa.gov>, "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>

Subject: Re: French TV

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From: [Kopparapu, Ravi Kumar \(GSFC-6990\)](#)
To: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
Date: Thursday, September 15, 2022 9:43:55 AM

I have a question about me talking about UAP to reporters....

From: [Kopparapu, Ravi Kumar \(GSFC-6990\)](#)
To: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
Date: Thursday, September 15, 2022 9:44:54 AM

I ok to not talk about NASA UAP study....but Rani (or someone in hte office of communication) thinkks that i should not talk about it....at all?

From: [Kopparapu, Ravi Kumar \(GSFC-6990\)](#)
To: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
Date: Thursday, September 15, 2022 9:48:44 AM

but Rani is interpreting it as a blanket ban on me to talk about UAP

From: [Kopparapu, Ravi Kumar \(GSFC-6990\)](#)
To: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
Date: Thursday, September 15, 2022 9:49:47 AM

yes, my point is, NASA study is not the ENTIRE UAP matter....i can talk about my articles, or my AIAA involvment, or how a scientifc study can be done....and I will not (or rather do not want to) talk abnout NASA study

From: [Kopparapu, Ravi Kumar \(GSFC-6990\)](#)
To: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
Date: Thursday, September 15, 2022 9:48:28 AM

however, i do want to say about general UAP things

From: [Kopparapu, Ravi Kumar \(GSFC-6990\)](#)
To: [SIBILLE Olivier](#)
Cc: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#); [Gran, Rani C. \(GSFC-1300\)](#)
Subject: Re: RE: French TV
Date: Monday, September 19, 2022 11:59:37 AM
Attachments: [image001.png](#)

Dear Olivier,

I am copying Lonnie and Rani from office of communications. As was mentioned before, I will be unable to comment on anything related to NASA study.

As for my public articles and comments regarding the historical perspective, could we wait until the NASA study is complete?

As for the AIAA activities, please contact Ryan Graves (the F-18 pilot who encountered UAPs) at

(b) (6)

Ryan is the chair, and I am the co-chair, of an UAP Community of Interest team under AIAA umbrella. We have a media contact who can respond to any enquiry. They can guide you regarding the process.

Best wishes

Ravi

--

Ravi Kopparapu

NASA Goddard Space Flight Center

Greenbelt, MD 20771

email: ravikumar.kopparapu@nasa.gov

From: SIBILLE Olivier <(b) (6)>
Date: Thursday, September 15, 2022 at 4:52 AM
To: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>
Subject: [EXTERNAL] RE: French TV

Hello Ravi

I am trying to contact your colleagues from communication.

Should I not be able to get an official interview with Nasa, would it be relevant to make an interview with you anyway ? Could we talk about your publicly available articles and the history of the phenomena ?

Where are you based ?

Have you any meeting or event planned with AIAA or other scientists this autumn ?

Best

Olivier

De : Kopparapu, Ravi Kumar (GSFC-6990) [mailto:ravikumar.kopparapu@nasa.gov]

Envoyé : mardi 30 août 2022 18:48

À : SIBILLE Olivier <(b) (6)>

Cc : (b) (6) Gran, Rani C. (GSFC-1300) <rani.c.gran@nasa.gov>; Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC] <lonnie.shekhtman@nasa.gov>

Objet : Re: French TV

Dear Olivier,

Thank you for your email. I am copying Rani Gran and Lonnie Shekhtman from our office of communications. I myself am not involved with the NASA study, nor have I any comments that I can provide on the study. Rani or Lonnie can possibly direct you to the relevant people

I can perhaps only comment on the kind of science we could do, the history of the phenomena and my involvement in outside organizations such as AIAA based on my publicly [available articles](#).

Best

Ravi

--

Ravi Kopparapu

NASA Goddard Space Flight Center

Greenbelt, MD 20771

email: ravikumar.kopparapu@nasa.gov

From: SIBILLE Olivier <(b) (6)>

Date: Tuesday, August 30, 2022 at 10:38 AM

To: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>

Cc: (b) (6) <(b) (6)>

Subject: [EXTERNAL] French TV

Good morning

I am contacting you on behalf of Philippe Ailleris.

I am a reporter from France 2, the main French public tv network. I work for a weekly news show, French equivalent of « 60 Minutes » on CBS. Our weekly audience is more than 3 million people in France, Belgium and Switzerland.

I am producing a long story on new UAP official investigations. I am planning to travel to the US next autumn, probably in october.

I am very interested by the independant study Nasa is launching on UAP.

Could we consider any filming opportunities to understand what are the schedule and methods of this study ? Would it be possible to meet any members of your dedicated team while investigating ? Our goal is of course not to disclose any confidential informations or any results before the end of the study. Just understand on which materials Nasa is going to investigate and show how precise and serious is this issue for you.

Please feel free to contact me to discuss it further.

Hope to hear from you soon.

Kind regards.

Olivier SIBILLE

Olivier SIBILLE

Senior Reporter

France 2 – Envoyé Spécial

@oliviersibille

cell / +**(b) (6)**

France Télévisions – 7, esplanade Henri-de-France, 75907 Paris Cedex 15 - FRANCE



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From: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
To: [Jones, Nancy N. \(GSFC-1300\)](#)
Date: Tuesday, September 20, 2022 8:15:08 AM

dealing with HQ about UAP

From: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
To: [Jones, Nancy N. \(GSFC-1300\)](#)
Date: Tuesday, September 20, 2022 8:16:31 AM

Cuz he's already talked publicly about UAP

From: [Kopparapu, Ravi Kumar \(GSFC-6990\)](#)
To: [Gran, Rani C. \(GSFC-1300\)](#)
Cc: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
Subject: Re: [] Re: Fox News TV request for Dr. Ravi Kumar for next week
Date: Tuesday, October 4, 2022 12:45:25 PM

Thanks Rani.

(While I am totally fine not doing this interview, I just want to make sure that NASA HQ understands that this request was not an UAP related one, but a *Technosignature* topic. I hope I will get a chance to clarify this with them. As I mentioned several times, I am quite happy to talk with them about the distinction).

Thanks again!

Best

Ravi

--

Ravi Kopparapu
NASA Goddard Space Flight Center
Greenbelt, MD 20771
email: ravikumar.kopparapu@nasa.gov

From: "Gran, Rani C. (GSFC-1300)" <rani.c.gran@nasa.gov>
Date: Tuesday, October 4, 2022 at 1:39 PM
To: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>, "Ferrari, Isabella" <(b) (6)>
Cc: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>
Subject: Re: [] Re: Fox News TV request for Dr. Ravi Kumar for next week

Hello Isabella,

Right now, NASA does not want to do interviews on UAPs until NASA's independent study is complete.

I apologize for the inconvenience.

Rani

--

Rani C. Gran (she/her)
Communications Manager
Mail Code 130, B3, 224
NASA Goddard Space Flight Center
Greenbelt, MD. 20771
Work Cell : (b) (6) (best number to reach me)
Phone: 301-286-2483

From: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>
Date: Monday, October 3, 2022 at 1:34 PM
To: "Ferrari, Isabella" <(b) (6)>
Cc: Rani Gran <rani.c.gran@nasa.gov>, "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>
Subject: Re: [] Re: Fox News TV request for Dr. Ravi Kumar for next week

Hello Isabella,
I am copying Rani Gran and Lonnie Shekhtman from our Office of communication, who can respond to this request.
Hi Rani and Lonnie, please see the email below.
Thank you
Ravi

--

Ravi Kopparapu
NASA Goddard Space Flight Center
Greenbelt, MD 20771
email: ravikumar.kopparapu@nasa.gov

From: "Ferrari, Isabella" <(b) (6)>
Date: Monday, October 3, 2022 at 12:52 PM
To: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>
Subject: [EXTERNAL] Re: Fox News TV request for Dr. Ravi Kumar for next week

Hello Dr. Ravi,
Circling back on this request to see if you'd be interested in joining Kennedy one day this week for a live interview?

Let me know, thank you!

Best,
Isabella Ferrari
FOX Business News
Producer for "Kennedy"
1211 Avenue of the Americas
(b) (6)

From: Ferrari, Isabella
Sent: Friday, September 30, 2022 1:33:54 PM
To: ravikumar.kopparapu@nasa.gov <ravikumar.kopparapu@nasa.gov>
Subject: Fox News TV request for Dr. Ravi Kumar for next week

Hello Dr. Ravi Kumar Kopparapu,
My name is Isabella Ferrari with the Kennedy Show on FOX Business News. We are interested in having you join Kennedy for an interview next week to discuss the topic: 'Is Earth Being Pummeled by Derelict Alien Spacecraft?' and to highlight your research and expertise in extrasolar planet habitability, atmosphere modeling and characterization.

Would you have availability next **Wednesday 10/5 or Thursday 10/6 in the 7:00PMET hour?** We broadcast in New York but would happy to host you via skype or a remote studio. This would be a live, one on one interview with Kennedy about 5-6 minutes.

Article link: <https://news.yahoo.com/earth-being-pummeled-derelict-alien-000222721.html>

Please let me know if you are interested or have any questions. Thank you!

Best,
Isabella Ferrari
FOX Business News
Booker for "Kennedy"
(b) (6)

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From: [Gran, Rani C. \(GSFC-1300\)](#)
To: [Kopparapu, Ravi Kumar \(GSFC-6990\)](#); [Olivia Olphin](#)
Cc: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#); [Ulrich, Bert \(HQ-NA030\)](#)
Subject: Re: TV Show Inquiry
Date: Friday, October 14, 2022 1:32:22 PM

Hi Olivia,

Could you please submit a documentary request?

--

Rani C. Gran (she/her)
Communications Manager
Mail Code 130, B3, 224
NASA Goddard Space Flight Center
Greenbelt, MD. 20771
Work Cell : (b) (6) (best number to reach me)
Phone: 301-286-2483

From: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>
Date: Thursday, October 13, 2022 at 1:06 PM
To: Olivia Olphin <(b) (6)>
Cc: Rani Gran <rani.c.gran@nasa.gov>, "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>
Subject: Re: TV Show Inquiry

Hi Olivia,

Thank you for your email. I am copying Rani Gran and Lonnie Shekhtman from our Office of Communications in this email.

I am not involved in the NASA UAP study, so I will be unable to comment on that topic. However, we could discuss my research work on the search for extra-terrestrial life, including bio-signatures and technosignatures, if you want to focus on those topics. Recently, there has been a lot of momentum on discovering life on other worlds with current and future missions, and we could chat about them, once we hear back from the PR team.

Best wishes
Ravi

--

Ravi Kopparapu
NASA Goddard Space Flight Center
Greenbelt, MD 20771

email: ravikumar.kopparapu@nasa.gov

From: Olivia Olphin <(b) (6)>
Date: Thursday, October 13, 2022 at 11:25 AM
To: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>
Subject: [EXTERNAL] TV Show Inquiry

Hello,

I hope you're well. My name is Olivia Olphin and I work for a documentary and TV production company called Blink Films in London. We make science and history documentaries for places like Nat Geo, Discovery, The Science Channel, Netflix and many more.

We are currently developing a series taking a scientific look at the search for extra-terrestrial life and taking a deep dive into the current cutting-edge research on the subject. We are also looking specifically at UAPs and the new NASA study announced this year. I would love to talk to you about your research and expertise in this area.

Do let me know if you have any time tomorrow to discuss this further.

Thank you,

Olivia

Olivia Olphin



www.blinkfilmsuk.com

Blink is committed to reducing our environmental footprint therefore we would ask you not to print this email unless absolutely necessary

From: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
To: [Dana, Christina J. \(GSFC-130.0\)\[KBR\]](#); [Molar-Candanosa, Roberto M. \(GSFC-610.0\)\[KBR\]](#); [Hatfield, Miles \(GSFC-130.0\)\[TELOPHASE CORP\]](#); [Landau, Elizabeth R \(HQ-1864\)\[ASRC FEDERAL SYSTEM SOLUTIONS\]](#); [Gran, Rani C. \(GSFC-1300\)](#); [Hoover, Rachel L. \(ARC-DO\)](#); [Barry, Caela E. \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#); [Tiedeken, Staci L. \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#); [Fadoul, Jenny Marder \(GSFC-470.0\)\[TELOPHASE CORP\]](#)
Date: Friday, October 21, 2022 12:45:46 PM

y'all, nadia drake is on nasa's UAP panel: https://www.nasa.gov/feature/nasa-announces-unidentified-aerial-phenomena-study-team-members/?utm_source=TWITTER&utm_medium=NASA&utm_campaign=NASASocial&linkId=186532909

From: [Gran, Rani C. \(GSFC-1300\)](#)
To: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
Subject: Re: I need help
Date: Friday, October 21, 2022 1:56:59 PM

Thank you,

I cannot believe how long I spent writing that email to Hq.

I wanted Karen to see the FOIA stuff.

Now to write my science writers workshop pitch to AGU.

Rani

--

Rani C. Gran (she/her)
Communications Manager
Mail Code 130, B3, 224
NASA Goddard Space Flight Center
Greenbelt, MD. 20771
Work Cell : (b) (6) (best number to reach me)
Phone: 301-286-2483

From: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]"
<lonnie.shekhtman@nasa.gov>
Date: Friday, October 21, 2022 at 2:46 PM
To: Rani Gran <rani.c.gran@nasa.gov>
Cc: "Jones, Nancy N. (GSFC-1300)" <nancy.n.jones@nasa.gov>, "Andreoli, Claire (GSFC-1300)" <claire.andreoli@nasa.gov>
Subject: FW: I need help

Hey Rani,

Nancy forwarded your note to me. You sent it to my gmail by accident. I can help with Ravi's queries until next year. I will just let you finish up the pending ones, but can handle new ones that come in. Would you like to be copied on new ones or shall we take you off the emails?

Lonnie

--

Lonnie Shekhtman
Senior Science Writer
Solar System Exploration
NASA's Goddard Space Flight Center
301-614-6833

From: "Jones, Nancy N. (GSFC-1300)" <nancy.n.jones@nasa.gov>
Date: Friday, October 21, 2022 at 2:07 PM
To: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>
Subject: FW: I need help

FYI

--

*Nancy Neal Jones
Senior Communications Manager
Solar System Exploration Division
NASA's Goddard Space Flight Center
Office of Communications
Nancy.N.Jones@nasa.gov*

From: "Gran, Rani C. (GSFC-1300)" <rani.c.gran@nasa.gov>
Date: Friday, October 21, 2022 at 2:06 PM
To: "Nancy N. Jones" <nancy.n.jones@nasa.gov>, "Andreoli, Claire (GSFC-1300)" <claire.andreoli@nasa.gov>
Cc: Lonnie Shekhtman <(b) (6)>
Subject: I need help

Duplicate Email Already Processed



Deletion Page

Requester: John Greenewald

Request #: 23-00084-F-GSFC

1 page(s) containing duplicate information
is/are held in the file.

From: [Kopparapu, Ravi Kumar \(GSFC-6990\)](#)
To: [Gran, Rani C. \(GSFC-1300\)](#)
Cc: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
Subject: Re: NASA UAP study team selected.
Date: Friday, October 21, 2022 1:08:10 PM
Attachments: [image001.png](#)

Yes, Nadia is great.

I am a bit puzzled about the panel composition though. Several UAP, from what I understand, are reported to be within the Earth's atmosphere. Would have liked to see (b) (5)

(b) (5)

Ravi

--

Ravi Kopparapu
NASA Goddard Space Flight Center
Greenbelt, MD 20771
email: ravikumar.kopparapu@nasa.gov

From: "Gran, Rani C. (GSFC-1300)" <rani.c.gran@nasa.gov>
Date: Friday, October 21, 2022 at 2:01 PM
To: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>
Cc: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>
Subject: Re: NASA UAP study team selected.

We found it interesting a reporter Nadia Drake is on the panel. She also is Frank Drake daughter and a lovely person. I had the honor of helping her on a story.

Rani

--

Rani C. Gran (she/her)
Communications Manager
Mail Code 130, B3, 224
NASA Goddard Space Flight Center
Greenbelt, MD. 20771
Work Cell : (b) (6) (best number to reach me)
Phone: 301-286-2483

From: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>
Date: Friday, October 21, 2022 at 1:12 PM
To: Rani Gran <rani.c.gran@nasa.gov>
Cc: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>
Subject: NASA UAP study team selected.

I think this is a positive step, and I am hopeful about a serious scientific investigation
https://www.nasa.gov/feature/nasa-announces-unidentified-aerial-phenomena-study-team-members/?utm_source=TWITTER&utm_medium=NASA&utm_campaign=NASASocial&linkId=186532909

From the press release statement:

"Data is the language of scientists and makes the unexplainable, explainable. said Thomas Zurbuchen, associate administrator of the Science Mission Directorate at NASA Headquarters"

Sounds familiar (my original WaPo draft text from 2021).

Over the past few years, UAP (Unidentified Aerial Phenomena, more commonly known as Unidentified Flying Objects or UFOs) have been reported in the [news repeatedly](#). The most obvious question everyone wants to know is, *what are they?* But these sightings are by definition *unidentified*, so asking "What are UFOs?" will only lead to speculative answers that bring us no closer to understanding them. Instead, we should be asking "how can we figure out what UFOs are?" Framing this question with active inquiry in mind would allow a science-based approach to investigate the identity of UAPs. And there-in lies the problem.

The language of scientists is data. But without access to full data, it is nearly impossible to verify or explain any observation. The lack of robust data, including the lack of access to some existing data, is the central problem for scientific study of UAPs. Science is unforgiving. Data is the authority. Our feelings and opinions are irrelevant.

--

Ravi Kopparapu
NASA Goddard Space Flight Center
Greenbelt, MD 20771
email: ravikumar.kopparapu@nasa.gov

From: [Gran, Rani C. \(GSFC-1300\)](#)
To: [Breahon Jones](#); [Kopparapu, Ravi Kumar \(GSFC-6990\)](#)
Cc: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
Subject: Re: [EXTERNAL] RE: TV Interview
Date: Sunday, October 23, 2022 5:20:36 PM

Hello Breahon Jones,

NASA HQ is handling anything related to most congressional hearings on just about any science topic. I am forwarding your request to Karen Fox karen.c.fox@nasa.gov.

Rani

--

Rani C. Gran (she/her)
Communications Manager
Mail Code 130, B3, 224
NASA Goddard Space Flight Center
Greenbelt, MD. 20771
Work Cell : (b) (6) (best number to reach me)
Phone: 301-286-2483

From: Breahon Jones <(b) (6)>
Date: Friday, October 21, 2022 at 5:59 PM
To: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>
Cc: Rani Gran <rani.c.gran@nasa.gov>, "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>
Subject: [EXTERNAL] RE: TV Interview

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Thank you. I look forward to hearing from you.

From: Kopparapu, Ravi Kumar (GSFC-6990) <ravikumar.kopparapu@nasa.gov>
Sent: Friday, October 21, 2022 4:56 PM
To: Breahon Jones <(b) (6)>
Cc: Gran, Rani C. (GSFC-1300) <rani.c.gran@nasa.gov>; Shekhtman, Lonnie (GSFC-690.0)[ADNET

SYSTEMS INC] <lonnie.shekhtman@nasa.gov>

Subject: Re: TV Interview

Hello Breahon,

Thank you for your email. I am copying Rani Gran and Lonnie Shekhtman from our Office of Communications, who coordinate my media enquiries. We can proceed once we hear back from them,

Best wishes

Ravi

--

Ravi Kopparapu

NASA Goddard Space Flight Center

Greenbelt, MD 20771

email: ravikumar.kopparapu@nasa.gov

From: Breahon Jones <(b) (6)>

Date: Friday, October 21, 2022 at 4:43 PM

To: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>

Subject: [EXTERNAL] TV Interview

Good afternoon, Dr. Kopparapu this is Breahon Jones, Booking Producer for "Weekend Prime" on NewsNation (formerly WGN America) with host Natasha Zouves and it is my pleasure contacting you. I am sending this email as a request to have you on to discuss the Congressional Hearings on UFO's. We are discussing this Saturday or Sunday between the 6pm and 9pm CT hour for a 5-minute commitment. Please contact me for availability at (b) (6) or (b) (6). Looking forward to your earliest and most favorable correspondence as well as thanking you in advance.

Breahon Jones

Booking Producer

NewsNation

2501 West Bradley Place

Chicago, IL. 60618

Office (b) (6)

(b) (6)

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From: [Maynard, Cate \(GSFC-130.0\)\[Alexton, Inc\]](#)
To: [GSFC-130-AII](#)
Subject: Oct. 24 OCOMM Staff Notes
Date: Monday, October 24, 2022 3:42:40 PM
Attachments: [10.24.22 Science Nugget Paper.pdf](#)
[10.24.22 Science Nugget.pptx](#)
[GEWA Shred Event.pdf](#)
[NASA INTERVIEW PREP DOCUMENT - as of 10-14-22.docx](#)

Oct. 24th Code 130/OCOMM Staff Meeting Notes

Michelle Jones:

Senior Staff:

- Non-Responsive per agreement; Not related to UAP or UFO
-
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Other Updates:

- Non-Responsive per agreement; Not related to UAP or UFO
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-

Patrick Lynch:

- Non-Responsive per agreement; Not related to UAP or UFO
-
-
-

Jeremy Eggers:

- Non-Responsive per agreement; Not related to UAP or UFO

Non-Responsive per agreement; Not related to UAP or UFO

-

Jessica Sansarran:

- Non-Responsive per agreement; Not related to UAP or UFO

-

-

Leslee Scott:

- Non-Responsive per agreement; Not related to UAP or UFO

-

-

-

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Amy Barra:

- Non-Responsive per agreement; Not related to UAP or UFO

-

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-

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Cate Maynard:

- Non-Responsive per agreement; Not related to UAP or UFO

-

-

-

Rob Garner:

- Non-Responsive per agreement; Not related to UAP or UFO

-

Rob Gutro:

- Non-Responsive per agreement; Not related to UAP or UFO

-

Wade Sisler:

- Non-Responsive per agreement; Not related to UAP or UFO

-

-

Michelle Handleman:

- Non-Responsive per agreement; Not related to UAP or UFO

-

Jamie Adkins:

- Non-Responsive per agreement; Not related to UAP or UFO

- Non-Responsive per agreement; Not related to UAP or UFO

-
-
-

Jessica Evans:

- Non-Responsive per agreement; Not related to UAP or UFO

Michelle Jones/Jennifer Neptune:

- Non-Responsive per agreement; Not related to UAP or UFO

-

Robin Dixon:

- Non-Responsive per agreement; Not related to UAP or UFO

-
-
-

Jessica Sansarran:

- Non-Responsive per agreement; Not related to UAP or UFO

Michelle Handleman:

- Who is handling the new NASA Team investigating Unidentified Aerial Phenomenon? – send inquiries to Rani Gran who can speak on Karen Fox's behalf

Cate Maynard

Visitor Center Director

Alexton, Inc.

NASA Goddard Visitor Center

Catherine.maynard@nasa.gov

(301) 286-7031 o.

On the Web: www.nasa.gov/visitgoddard

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Deletion Page

Requester: John Greenwald

Request #: 23-00084-F-HQ

This document contains:

35 Page(s) deleted as non-responsive per the parameters of the request.

Description: Attachments not related or responsive to UAP or UFO

From: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
To: [Kopparapu, Ravi Kumar \(GSFC-6990\)](#)
Date: Tuesday, October 25, 2022 10:15:22 AM

We'll go over this later, but for now, I'll likely just send every UAP request to HQ.

From: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
To: [Gran, Rani C. \(GSFC-1300\)](#); [Garner, Robert C. \(GSFC-1300\)](#); [Andreoli, Claire \(GSFC-1300\)](#); [Jones, Nancy N. \(GSFC-1300\)](#)
Subject: Re: UAP interview requests and Ravi - offer to help
Date: Tuesday, October 25, 2022 1:44:12 PM

Thank you, Rob!

--

Lonnie Shekhtman
Senior Science Writer
Solar System Exploration
NASA's Goddard Space Flight Center
301-614-6833

From: "Gran, Rani C. (GSFC-1300)" <rani.c.gran@nasa.gov>
Date: Tuesday, October 25, 2022 at 2:43 PM
To: "Garner, Robert C. (GSFC-1300)" <rob.garner@nasa.gov>, "Andreoli, Claire (GSFC-1300)" <claire.andreoli@nasa.gov>, "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>, "Jones, Nancy N. (GSFC-1300)" <nancy.n.jones@nasa.gov>
Subject: Re: UAP interview requests and Ravi - offer to help

Thank you, Rob.

Ravi's co-chairs the AIAA committee on UAPS. Ravi says AIAA is coming out with a press release soon.

Rani

--

Rani C. Gran (she/her)
Communications Manager
Mail Code 130, B3, 224
NASA Goddard Space Flight Center
Greenbelt, MD. 20771
Work Cell : (b) (6) (best number to reach me)
Phone: 301-286-2483

From: "Garner, Robert C. (GSFC-1300)" <rob.garner@nasa.gov>
Date: Tuesday, October 25, 2022 at 2:02 PM
To: "Andreoli, Claire (GSFC-1300)" <claire.andreoli@nasa.gov>, Rani Gran <rani.c.gran@nasa.gov>, "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]"

<lonnie.shekhtman@nasa.gov>, "Jones, Nancy N. (GSFC-1300)" <nancy.n.jones@nasa.gov>

Subject: UAP interview requests and Ravi - offer to help

Greetings, Folks.

I hear that the number of requests coming in to interview Ravi Kopparapu have seen a significant uptick. Considering the level of sensitivity, I wanted to offer myself up to help run interference on them, to save you all some trouble.

-Rob

Robert Garner (he/him)

News Chief

Office of Communications (Code 130)

[*NASA's Goddard Space Flight Center*](#)

Greenbelt, MD 20771

301-286-5687

rob.garner@nasa.gov

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youtube.com/NASAGoddard

instagram.com/NASAGoddard

From: [Gran, Rani C. \(GSFC-1300\)](#)
To: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
Subject: Re: [EXTERNAL] Fwd: I need help
Date: Tuesday, October 25, 2022 11:05:10 AM

I wonder why it keeps doing that.

Aghh.

Rani

--

Rani C. Gran (she/her)
Communications Manager
Mail Code 130, B3, 224
NASA Goddard Space Flight Center
Greenbelt, MD. 20771
Work Cell : (b) (6) (best number to reach me)
Phone: 301-286-2483

From: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]"
<lonnie.shekhtman@nasa.gov>
Date: Tuesday, October 25, 2022 at 11:49 AM
To: Rani Gran <rani.c.gran@nasa.gov>
Subject: FW: [EXTERNAL] Fwd: I need help

Hey Rani,

This chain keeps going to my gmail ... when you send the media queries update, can you pls also update my email addy? Thanks!

--

Lonnie Shekhtman
Senior Science Writer
Solar System Exploration
NASA's Goddard Space Flight Center
301-614-6833

From: Lonnie Shekhtman <(b) (6)>

Date: Tuesday, October 25, 2022 at 11:46 AM

To: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>

Subject: [EXTERNAL] Fwd: I need help

----- Forwarded message -----

From: **Gran, Rani C. (GSFC-1300)** <rani.c.gran@nasa.gov>

Date: Tue, Oct 25, 2022, 11:27 AM

Subject: Re: I need help

To: Andreoli, Claire (GSFC-1300) <claire.andreoli@nasa.gov>, Jones, Nancy N. (GSFC-1300) <nancy.n.jones@nasa.gov>

Cc: Lonnie Shekhtman <(b) (6)>

Thank you, Claire.

Nancy is swamped with other projects too.

Once I get passed AGU I should have some more time to help out.

I'm going to type up an update for everyone,, momentarily, so we are all on the same page.

Rani

From: "Andreoli, Claire (GSFC-1300)" <claire.andreoli@nasa.gov>

Date: Tuesday, October 25, 2022 at 10:39 AM

To: Rani Gran <rani.c.gran@nasa.gov>, "Jones, Nancy N. (GSFC-1300)" <nancy.n.jones@nasa.gov>

Cc: Lonnie Shekhtman <(b) (6)>

Subject: Re: I need help

Rani,

I'm really sorry I missed last week's request. I'll be standing by to help assist with any future exoplanet requests Ravi may receive. Thanks for all you've been doing to field his requests.

Claire

--

Claire Andreoli
NASA's Goddard Space Flight Center
Office of Communications
office: (301) 286 1940
cell: (b) (6)

claire.andreoli@nasa.gov

From: "Gran, Rani C. (GSFC-1300)" <rani.c.gran@nasa.gov>

Date: Friday, October 21, 2022 at 2:06 PM

To: "Jones, Nancy N. (GSFC-1300)" <nancy.n.jones@nasa.gov>, "Andreoli, Claire (GSFC-1300)" <claire.andreoli@nasa.gov>

Cc: Lonnie Shekhtman <(b) (6)>

Subject: I need help

Hey there,

For the next few weeks, I'm swamped with OSIRIS-REx and prepping for AGU reporter round table. Could you take the Ravi's request for me until the end of the year.

I spent most of my day dealing with Ravi's media requests today, instead of writing my agu pitch.. Some are related to his research some are UAP, and some are both.

In each case, I spend time researching the requestor. (b) (5)

(b) (5)

Ravi knows that he will not participate in UAP interviews at least until the end of the year. I know the AIAA committee is coordinating with NASA's independent study to help handle some of the media requests.

Rani

--

Rani C. Gran (she/her)
Communications Manager
Mail Code 130, B3, 224
NASA Goddard Space Flight Center
Greenbelt, MD. 20771
Work Cell : (b) (6) (best number to reach me)
Phone: 301-286-2483

From: [Gran, Rani C. \(GSFC-1300\)](#)
To: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
Date: Wednesday, October 26, 2022 10:20:22 AM

She is working on an RTQ on them UAP.

From: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
To: [Kopparapu, Ravi Kumar \(GSFC-6990\)](#)
Date: Wednesday, October 26, 2022 3:04:16 PM

FYI: This is how Karen wants us to respond to UAP media queries:

From: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
To: [Kopparapu, Ravi Kumar \(GSFC-6990\)](#)
Date: Wednesday, October 26, 2022 3:04:19 PM

Thank you for reaching out. We are not doing interviews on the subject of our UAP study right now, as we do not have new information to share. I have cc-ed Katherine Rohloff, who will add your name to NASA's media list. As soon as NASA has news to share, they will reach out to you.

In the meantime, You may listen to our media briefing announcing the study here:

<https://www.youtube.com/watch?v=qPQ05LWB0s0>

Read our postings here:

<https://www.nasa.gov/feature/nasa-to-set-up-independent-study-on-unidentified-aerial-phenomena/>

<https://www.nasa.gov/feature/nasa-announces-unidentified-aerial-phenomena-study-team-members/>

And read our list of frequently asked questions here: <https://science.nasa.gov/uap/faqs>

From: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
To: [Gran, Rani C. \(GSFC-1300\)](#)
Date: Wednesday, October 26, 2022 10:18:47 AM

quick Q -- has Karen ever sent you a statement about UAP that we should send out in response to queries?

From: [Gran, Rani C. \(GSFC-1300\)](#)
To: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
Subject: Re: Heads up UAP Interview request
Date: Wednesday, October 26, 2022 10:29:50 AM

Yesterday, in a chat, she said she would check it out.

Rani

--

Rani C. Gran (she/her)
Communications Manager
Mail Code 130, B3, 224
NASA Goddard Space Flight Center
Greenbelt, MD. 20771
Work Cell : (b) (6) (best number to reach me)
Phone: 301-286-2483

From: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]"
<lonnie.shekhtman@nasa.gov>
Date: Wednesday, October 26, 2022 at 10:05 AM
To: Rani Gran <rani.c.gran@nasa.gov>
Subject: Re: Heads up UAP Interview request

Hey Rani,

Did Karen respond to this? Do you want me to respond to John Greenwald or are you going to?

Best,
Lonnie

--

Lonnie Shekhtman
Senior Science Writer
Solar System Exploration
NASA's Goddard Space Flight Center
301-614-6833

From: "Gran, Rani C. (GSFC-1300)" <rani.c.gran@nasa.gov>
Date: Friday, October 21, 2022 at 1:58 PM

To: "Fox, Karen C. (HQ)" <karen.c.fox@nasa.gov>
Cc: "Johnson, Alana R. (HQ-DG000)[ASRC FEDERAL SYSTEM SOLUTIONS]" <alana.r.johnson@nasa.gov>, "Morton, Erin (HQ-ST30)[ASRC FEDERAL SYSTEM SOLUTIONS]" <erin.morton@nasa.gov>, "Andreoli, Claire (GSFC-1300)" <claire.andreoli@nasa.gov>, "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>, "Garner, Robert C. (GSFC-1300)" <rob.garner@nasa.gov>, "Lynch, Patrick G. (GSFC-1300)" <patrick.lynch@nasa.gov>
Subject: Heads up UAP Interview request

Hello everyone,

Ravi has received 1 UAP request, plus media coverage by Politico related to his work with the AIAA committee on UAP

John Greenwald wants to interview Ravi about his research and UAPs. He recently FOIA'd Ravi's email on his [site](#). He sent an email requesting an interview with Ravi on UAPs and his other research. The email is respectful and explains why he FOIA'd Ravi's email. See the email exchange below. I know (b) (5)

(b) (5)

In addition to this request, Politico wrote a story about AIAA's new UAP community of interest, for which Ravi is a co-chair. The article mentions Ravi.
<https://www.politico.com/news/2022/10/19/new-territory-americas-top-aerospace-sleuths-join-ufo-hunt-00062588>

From Ravi

"If I am asked for a comment, as a co-chair of UAP-COI, I need to pass it to the comms team of the committee. I know I am not supposed to talk about the NASA study (I *cannot* talk about it because I do not know anything about it to talk), but I wonder if it extends to what I can talk about AIAA's UAP efforts as well (a totally different organization). Ryan Graves, the chair of the committee, is in contact with the NASA study lead, though. The thinking is that we can help each other."

Thanks

Ravi

From: "john@greenewald.com" <john@greenewald.com>
Date: Thursday, October 20, 2022 at 9:23 AM
To: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>
Subject: [EXTERNAL] Interview request

Dear Dr. Kopparapu,

I hope this email finds you well! First, let me say, I have the utmost respect for your work, and your recent exploration of the UAP topic. As a short introduction, for the past 26+ years, I have run a government document archive with records obtained through the Freedom of Information Act (FOIA), which has more than 3.1 million pages of records on it (all free / not paid). UAP has become the most popular over the years. This past year, I have posted THOUSANDS of pages of records from all corners of the government, including NASA. As a result, many different records came up with your name, and I will admit, I have had a lot of fun piecing together your work, and others, and how this topic has unfolded internally at NASA.

I know it's likely odd to hear someone is receiving through FOIA your emails (along with quite a bit more), so I hope that does not come off the wrong way. I assume you're likely used to the fact you're at a government agency and those records become subject to it. But, you play an important role in this conversation, and those records document that.

That said, I wanted to reach out to you, and see if you would be interested in doing an interview? I have an online YouTube show where I have more than 61,000+ subscribers, and those interviews are then dropped to podcast format, where I get tens of thousands of downloads in the first few days on that.

I play no "gotcha" style interviews, and my past guests include former CIA Director James Woolsey, various scientists (incl. Dr. Avi Loeb etc.), numerous researchers, authors, etc.

Is this something you might be interested in? I'd love to explore your work (inside and outside the UAP topic), discuss the issue of UAP itself, what is being done, what needs to be done, etc.

I appreciate your time and consideration. Thank you in advance...

Sincerely,

John Greenewald, Jr.

CEO - The Black Vault, Inc.

<https://www.theblackvault.com>

Toll Free: (800) 456-2228

International: 1 (818) 655-0474

Fax: (818) 659-7688

Mailing Address:

The Black Vault

27305 W. Live Oak Rd., Suite 1203

Castaic, CA 91384-4520

From: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
To: [Gran, Rani C. \(GSFC-1300\)](#); [Garner, Robert C. \(GSFC-1300\)](#)
Subject: Re: UAP media response
Date: Wednesday, October 26, 2022 2:59:28 PM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)

That's helpful, thanks.

--

Lonnie Shekhtman
Senior Science Writer
Solar System Exploration
NASA's Goddard Space Flight Center
301-614-6833

From: "Gran, Rani C. (GSFC-1300)" <rani.c.gran@nasa.gov>
Date: Wednesday, October 26, 2022 at 3:54 PM
To: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>, "Garner, Robert C. (GSFC-1300)" <rob.garner@nasa.gov>
Subject: UAP media response

FYI

From: "Fox, Karen C. (HQ)" <karen.c.fox@nasa.gov>
Date: Wednesday, October 26, 2022 at 3:51 PM
To: Rani Gran <rani.c.gran@nasa.gov>, Michelle Handleman Seff <michelle.z.handleman@nasa.gov>
Cc: "Rohloff, Katherine A. (HQ-NA020)" <katherine.a.rohloff@nasa.gov>
Subject: Re: [EXTERNAL] RE: FOX 32 request

Sorry I didn't respond earlier, Michelle --

Rani's email works, though here's a slightly different version for the future:

Thank you for reaching out. We are not doing interviews on the subject of our UAP study right now, as we do not have new information to share. I have cc-ed Katherine Rohloff, who will add your name to NASA's media list. As soon as NASA has news to share, they will reach out to you.

In the meantime, You may listen to our media briefing announcing the study here:

<https://www.youtube.com/watch?v=qPQ05LWB0s0>

Read our postings here:

<https://www.nasa.gov/feature/nasa-to-set-up-independent-study-on-unidentified-aerial-phenomena/>

<https://www.nasa.gov/feature/nasa-announces-unidentified-aerial-phenomena-study-team-members/>

And read our list of frequently asked questions here:

<https://science.nasa.gov/uap/faqs>

Thanks!

--

Rani C. Gran (she/her)
Communications Manager
Mail Code 130, B3, 224
NASA Goddard Space Flight Center
Greenbelt, MD. 20771
Work Cell : (b) (6) (best number to reach me)
Phone: 301-286-2483

From: Michelle Handleman Seff <michelle.z.handleman@nasa.gov>

Date: Tuesday, October 25, 2022 at 4:59 PM

To: Rani Gran <rani.c.gran@nasa.gov>, "Fox, Karen C. (HQ)" <karen.c.fox@nasa.gov>

Subject: FW: [EXTERNAL] RE: FOX 32 request

Just got another request. What wording shall I use to respond to them and any others I get?

Michelle Handleman (she/her)
KBR/ NASA Goddard Office of Communications
(240) 434-8875
Michelle.z.handleman@nasa.gov



From: "Klein, Adina" <(b) (6)>

Date: Tuesday, October 25, 2022 at 4:48 PM

To: "Person, Megan (AFRC-280)" <megan.person@nasa.gov>

Cc: "Handleman, Michelle Zipporah. (GSFC-130.0)[KBRwyle]"
<michelle.z.handleman@nasa.gov>
Subject: [EXTERNAL] RE: FOX 32 request

Hi! just following up on this!

From: Klein, Adina
Sent: Monday, October 24, 2022 3:31 PM
To: 'Person, Megan (AFRC-111' <megan.person@nasa.gov>
Subject: FOX 32 request

Hi Megan,
Is there anyone available this week to discuss this via zoom on Good Day Chicago?

<https://www.cnn.com/2022/10/24/world/ufos-nasa-team-study-scn/index.html>

Thanks!!
Adina

Adina Klein | Segment Producer

[WFLD FOX32](#) | [WPWR MY50](#)

205 North Michigan Avenue, Chicago, IL 60601

c: (b) (6) | e: (b) (6)

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From: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
To: john@greenewald.com
Cc: [Gran, Rani C. \(GSFC-1300\)](#); [Kopparapu, Ravi Kumar \(GSFC-6990\)](#)
Subject: Re: [EXTERNAL] RE: Interview request
Date: Wednesday, October 26, 2022 9:55:52 AM

Dear John,

Thank you for your note and for your interest. Love to hear about your NASA connection.

At this point, with NASA's UAP committee off the ground, NASA headquarters is handling all queries related to UAP. The person to talk to there is [Karen Fox](#).

Best of luck with your research.

Lonnie

--

Lonnie Shekhtman
Senior Science Writer
Solar System Exploration
NASA's Goddard Space Flight Center
301-614-6833

From: "john@greenewald.com" <john@greenewald.com>
Date: Tuesday, October 25, 2022 at 7:19 PM
To: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>
Cc: "Gran, Rani C. (GSFC-1300)" <rani.c.gran@nasa.gov>, "Shekhtman, Lonnie (GSFC-690.0) [ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>
Subject: [EXTERNAL] RE: Interview request

Hello Dr. Kopparapu, and thank you for your quick response. I am sorry I did not get back to you sooner, but was traveling a little shortly after your email.

That said, I would love to see if we can work something out. To Rani and Lonnie, I am happy to answer any questions you may have on an interview request. It's just more of a broad discussion about Dr. Kopparapu's background, his UAP interest (Scientific American article etc.) and what he feels the NASA UAP study may or may not find out.

Is this something that can be worked out? On a side note, I've worked with NASA in the past on numerous television projects. I was a writer/producer/director for the History channel show The Universe, and worked with Discovery channel where we also interviewed numerous NASA scientists. I also shot a series at NASA/JPL in Pasadena years ago. So, I am familiar with the concern, and just

want to assure you, on all my shows and projects, there is nothing but respect for NASA and their esteemed scientists! I have no “gotcha” interview style, and happy to send bullet points / questions, in advance, if required. (My interview style is more conversational, so I prefer more bullet points, but can adhere to whatever is required.)

Thank you for your time and consideration!

Sincerely,

John Greenewald, Jr.

CEO - The Black Vault, Inc.

<https://www.theblackvault.com>

Toll Free: (800) 456-2228

International: 1 (818) 655-0474

Fax: (818) 659-7688

Mailing Address:

The Black Vault

27305 W. Live Oak Rd., Suite 1203

Castaic, CA 91384-4520

From: Kopparapu, Ravi Kumar (GSFC-6990) <ravikumar.kopparapu@nasa.gov>

Sent: Thursday, October 20, 2022 7:39 AM

To: john@greenewald.com

Cc: Gran, Rani C. (GSFC-1300) <rani.c.gran@nasa.gov>; Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC] <lonnie.shekhtman@nasa.gov>

Subject: Re: Interview request

Dear John,

Thank you for your kind email. I am indeed aware of the FOIA requests. I do think that UAP needs a serious scientific consideration, and I am glad that various organizations have begun working towards this goal. Science should be at the forefront in investigating any new phenomena.

As for an interview request, I am copying Rani Gran and Lonnie Shekhtman from our Office of Communication. They coordinate my media requests and approvals.

My best wishes

Ravi

--

Ravi Kopparapu

NASA Goddard Space Flight Center

Greenbelt, MD 20771

email: ravikumar.kopparapu@nasa.gov

From: "john@greenewald.com" <john@greenewald.com>

Date: Thursday, October 20, 2022 at 9:23 AM

To: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>

Subject: [EXTERNAL] Interview request

Dear Dr. Kopparapu,

I hope this email finds you well! First, let me say, I have the utmost respect for your work, and your recent exploration of the UAP topic. As a short introduction, for the past 26+ years, I have run a government document archive with records obtained through the Freedom of Information Act (FOIA), which has more than 3.1 million pages of records on it (all free / not paid). UAP has become the most popular over the years. This past year, I have posted THOUSANDS of pages of records from all corners of the government, including NASA. As a result, many different records came up with your name, and I will admit, I have had a lot of fun piecing together your work, and others, and how this topic has unfolded internally at NASA.

I know it's likely odd to hear someone is receiving through FOIA your emails (along with quite a bit more), so I hope that does not come off the wrong way. I assume you're likely used to the fact you're at a government agency and those records become subject to it. But, you play an important role in this conversation, and those records document that.

That said, I wanted to reach out to you, and see if you would be interested in doing an interview? I have an online YouTube show where I have more than 61,000+ subscribers, and those interviews are then dropped to podcast format, where I get tens of thousands of downloads in the first few days on that.

I play no "gotcha" style interviews, and my past guests include former CIA Director James Woolsey, various scientists (incl. Dr. Avi Loeb etc.), numerous researchers, authors, etc.

Is this something you might be interested in? I'd love to explore your work (inside and outside the UAP topic), discuss the issue of UAP itself, what is being done, what needs to be done, etc.

I appreciate your time and consideration. Thank you in advance...

Sincerely,

John Greenewald, Jr.
CEO - The Black Vault, Inc.

<https://www.theblackvault.com>

Toll Free: (800) 456-2228

International: 1 (818) 655-0474

Fax: (818) 659-7688

Mailing Address:

The Black Vault

27305 W. Live Oak Rd., Suite 1203

Castaic, CA 91384-4520

From: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
To: [Jones, Nancy N. \(GSFC-1300\)](#)
Date: Thursday, October 27, 2022 10:13:17 AM

nancy, so general media queries FYIs to HQ go to Erin and Alana? Only if they're UAP-related do they go to Karen, too?

From: [Garner, Robert C. \(GSFC-1300\)](#)
To: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#); [Gutro, Rob \(GSFC-1300\)](#)
Subject: RE: Media query for Ravi
Date: Thursday, October 27, 2022 10:40:02 AM

Yes.

Robert Garner (he/him)
News Chief
Office of Communications (Code 130)
[NASA's Goddard Space Flight Center](#)
Greenbelt, MD 20771
301-286-5687
rob.garner@nasa.gov

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instagram.com/NASAGoddard

From: Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC] <lonnie.shekhtman@nasa.gov>
Sent: Thursday, October 27, 2022 11:39 AM
To: Garner, Robert C. (GSFC-1300) <rob.garner@nasa.gov>; Gutro, Rob (GSFC-1300) <robert.j.gutro@nasa.gov>
Subject: FW: Media query for Ravi

Robs, you do the calendaring of these, right?

Lonnie

--

Lonnie Shekhtman
Senior Science Writer
Solar System Exploration
NASA's Goddard Space Flight Center
301-614-6833

From: "Morton, Erin (HQ-ST30)[ASRC FEDERAL SYSTEM SOLUTIONS]" <erin.morton@nasa.gov>
Date: Thursday, October 27, 2022 at 11:37 AM
To: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>,

"Johnson, Alana R. (HQ-DG000)[ASRC FEDERAL SYSTEM SOLUTIONS]"

<alana.r.johnson@nasa.gov>

Cc: "Garner, Robert C. (GSFC-1300)" <rob.garner@nasa.gov>, "Gutro, Rob (GSFC-1300)"

<robert.j.gutro@nasa.gov>, "Jones, Nancy N. (GSFC-1300)" <nancy.n.jones@nasa.gov>

Subject: RE: Media query for Ravi

Thanks, Lonnie. This sounds good. Please put the interview on the OCOMMS calendar.

Erin Morton

Senior Communications Specialist, Editorial Lead

Planetary Science Division

PAAC V Contract

erin.morton@nasa.gov

c: (b) (6)

NASA Headquarters, 300 E. St SW, Washington, DC. 20546

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From: Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC] <lonnie.shekhtman@nasa.gov>

Sent: Thursday, October 27, 2022 10:24 AM

To: Morton, Erin (HQ-ST30)[ASRC FEDERAL SYSTEM SOLUTIONS] <erin.morton@nasa.gov>; Johnson, Alana R. (HQ-DG000)[ASRC FEDERAL SYSTEM SOLUTIONS] <alana.r.johnson@nasa.gov>

Cc: Garner, Robert C. (GSFC-1300) <rob.garner@nasa.gov>; Gutro, Rob (GSFC-1300) <robert.j.gutro@nasa.gov>; Jones, Nancy N. (GSFC-1300) <nancy.n.jones@nasa.gov>

Subject: FYI: Media query for Ravi

Hi all,

I'm helping Rani field Ravi Kopparapu's media queries through the end of the year, so you'll be hearing from me for the next few months.

Just wanted to let you know that on Nov. 8 Ravi will be interviewed by John Michael Godier who has a science and space YouTube show called [Event Horizon](#). It's pretty well produced and he interviews legit scientists, including some of Ravi's colleagues. Godier's videos get 10s of thousands of views.

The show producer is collaborating with us on topics to be covered during the interview, so we'll know in advance what those are. I'll send an update when we have the final plan, but the topics will cover Ravi's science. If UAP come up, Ravi knows the messaging.

Please let me know if you have any concerns.

Thanks,
Lonnie

--

Lonnie Shekhtman
Senior Science Writer
Solar System Exploration
NASA's Goddard Space Flight Center
301-614-6833

From: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
To: [Kopparapu, Ravi Kumar \(GSFC-6990\)](#)
Date: Friday, November 4, 2022 12:37:22 PM

So ... of course ... there are UAP Qs

From: [Kopparapu, Ravi Kumar \(GSFC-6990\)](#)
To: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
Subject: Re: [] Re: Topics for Nov. 8: Event Horizon with John Michael Godier
Date: Monday, November 7, 2022 8:50:13 AM

Hi Lonnie,
Sorry I missed your message, I was in Albuquerque the whole last week.

I am fine with the topics for the Event Horizon today. I am free until 2pm today.

Best

Ravi

--

Ravi Kopparapu
NASA Goddard Space Flight Center
Greenbelt, MD 20771
email: ravikumar.kopparapu@nasa.gov

From: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]"
<lonnie.shekhtman@nasa.gov>
Date: Friday, November 4, 2022 at 2:05 PM
To: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>
Subject: Re: [] Re: Topics for Nov. 8: Event Horizon with John Michael Godier

Whoops, missed you. I'm around for the rest of the afternoon if you feel like we need to touch base about Event Horizon on Monday ...

Lonnie

--

Lonnie Shekhtman
Senior Science Writer
Solar System Exploration
NASA's Goddard Space Flight Center
301-614-6833

From: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>
Date: Friday, November 4, 2022 at 12:08 PM
To: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>
Subject: Re: [] Re: Topics for Nov. 8: Event Horizon with John Michael Godier

Hi Lonnie,

I am in Albuquerque for a meeting. Do you want to chat for a few minutes now? I have time now for some time.

Ravi

--

Ravi Kopparapu

NASA Goddard Space Flight Center

Greenbelt, MD 20771

email: ravikumar.kopparapu@nasa.gov

From: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]"

<lonnie.shekhtman@nasa.gov>

Date: Friday, November 4, 2022 at 10:53 AM

To: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>

Subject: FW: [EXTERNAL] Re: Topics for Nov. 8: Event Horizon with John Michael Godier

Hi Ravi,

Are you around today?

Lonnie

--

Lonnie Shekhtman

Senior Science Writer

Solar System Exploration

NASA's Goddard Space Flight Center

301-614-6833

From: Ross Howard <(b) (6)>

Date: Wednesday, November 2, 2022 at 9:01 PM

To: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>

Cc: "Gran, Rani C. (GSFC-1300)" <rani.c.gran@nasa.gov>, "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>

Subject: [EXTERNAL] Re: Topics for Nov. 8: Event Horizon with John Michael Godier

Hi Lonnie,

Here is a list of topics John would like to discuss with Ravi.

- Characterization of the atmospheres of Super Earths and Mini Neptunes, can life exist on such planets?
- Identifying biosignatures on exoplanets and on solar system bodies (his participation on papers about Venus and Europa), detection standards
- Technosignatures, how and what to look for, Ravi's ideal survey for technosignatures
- General exoplanet characterizations and modeling
- Habitable zones, specifically around G and K types stars and low mass stars.
- Ravi and Jacob Haqq-Misra's UAP opinion piece in scientific american, what they wrote about and why
- The work of past scientists, such as Dr. James McDonald and the tragedy involving the blowback and stigma he faced studying potential atmospheric technosignatures
- Ravi's involvement with the AIAA uap study, discussing what's been publicly shared about it
- Why are we orbiting a yellow star and not a red star?
- Water loss on greenhouse planets
- Early Mars atmospheric models
- On the likelihood of non-terrestrial artifacts in the Solar System


Hope that helps and please share if there are any other topics you suggest we discuss with Ravi.

Best regards,
Ross

On Wed, Nov 2, 2022 at 3:31 PM Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]

<lonnie.shekhtman@nasa.gov> wrote:

Duplicate Email Already Processed



Deletion Page

Requester: John Greenewald

Request #: 23-00084-F-GSFC

5 page(s) containing duplicate
information is/are held in the file.

From: [Kopparapu, Ravi Kumar \(GSFC-6990\)](#)
To: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
Date: Tuesday, November 8, 2022 9:25:04 AM

yeah....they asked about both exoplanets, biosignatures, technosignatures and UAP... I talked about all but did not even mention NASA study at all (that I could remember).

From: [Kopparapu, Ravi Kumar \(GSFC-6990\)](#)
To: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#); [Ross Howard](#)
Subject: Re: Topics for Nov. 8: Event Horizon with John Michael Godier
Date: Thursday, November 10, 2022 2:27:36 PM

Thank you Ross. It was great talking to you.

Best

Ravi

--

Ravi Kopparapu
NASA Goddard Space Flight Center
Greenbelt, MD 20771
email: ravikumar.kopparapu@nasa.gov

From: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]"
<lonnie.shekhtman@nasa.gov>
Date: Thursday, November 10, 2022 at 3:25 PM
To: Ross Howard <(b) (6)>
Cc: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>
Subject: Re: [EXTERNAL] Re: Topics for Nov. 8: Event Horizon with John Michael Godier

Excellent. Thank you.

--

Lonnie Shekhtman
Senior Science Writer
Solar System Exploration
NASA's Goddard Space Flight Center
301-614-6833

From: Ross Howard <(b) (6)>
Date: Thursday, November 10, 2022 at 12:10 PM
To: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>
Cc: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>
Subject: [EXTERNAL] Re: Topics for Nov. 8: Event Horizon with John Michael Godier

Duplicate Email Already Processed



Deletion Page

Requester: John Greenewald

Request #: 23-00084-F-GSFC

12 page(s) containing duplicate information is/are held in the file.

From: [Ross Howard](#)
To: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
Cc: [Kopparapu, Ravi Kumar \(GSFC-6990\)](#)
Subject: [EXTERNAL] Re: Topics for Nov. 8: Event Horizon with John Michael Godier
Date: Thursday, November 10, 2022 11:10:12 AM

Hi Lonnie,

Will do. It may take a bit as our graphic designer won't be available till later today, so I will update the thumbnail as soon as they send it over. Thank you for all of your help and thank you Ravi for coming on the show!

Where Will We Find Intelligent Life? Near or Far with Dr. Ravi Kopparapu
<https://youtu.be/zWH-bxxO4bU>

Best,
Ross

Sent from my iPhone

On Nov 10, 2022, at 9:14 AM, Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC] <lonnie.shekhtman@nasa.gov> wrote:

Hi Ross,

For the "Aliens Near and Far" thumbnail, could we change that to "Signs of Life Near and Far"?

Thanks,
Lonnie

--

Lonnie Shekhtman
Senior Science Writer
Solar System Exploration
NASA's Goddard Space Flight Center
301-614-6833

From: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>
Date: Thursday, November 10, 2022 at 8:39 AM
To: Ross Howard <(b) (6)>
Cc: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>

Subject: Re: Topics for Nov. 8: Event Horizon with John Michael Godier

Hi Ross,

This title (below) sounds good! I am fine with the thumbnails

Best

Ravi

--

Ravi Kopparapu

NASA Goddard Space Flight Center

Greenbelt, MD 20771

email: ravikumar.kopparapu@nasa.gov

From: Ross Howard <(b) (6)>

Date: Wednesday, November 9, 2022 at 5:22 PM

To: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>

Cc: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]"
<lonnie.shekhtman@nasa.gov>

Subject: [EXTERNAL] Re: Topics for Nov. 8: Event Horizon with John Michael Godier

Here are a few more options for thumbnails and one more title option.
Where Will We Find Intelligent Life? Near or Far with Dr. Ravi Kappoorapu

On Wed, Nov 9, 2022 at 4:02 PM Ross Howard <(b) (6)>
wrote:

Here's a few options.

Aliens Near And Far | Studying the Phenomenon with Dr. Ravi Kopparapu

Can We Find Intelligent Life? Near and Far With Dr. Kopparapu

Any of those work?

Best,

Ross

On Tue, Nov 8, 2022 at 4:18 AM Ross Howard <(b) (6)>
wrote:

Hi Ravi,

Absolutely. I will send over some other ideas for a title later today. Thank you for sending me Ryan's email.

Best,
Ross

On Nov 8, 2022, at 3:15 AM, Kopparapu, Ravi Kumar (GSFC-6990)
<ravikumar.kopparapu@nasa.gov> wrote:

Hi Ross,
Thank you. As our discussion covered a good amount of exoplanet
biosignature and technosignature research as well, could we reflect
that in the title as well?

Here is Ryan's email:

(b) (6)

Best
Ravi

--

Ravi Kopparapu
NASA Goddard Space Flight Center
Greenbelt, MD 20771
email: ravikumar.kopparapu@nasa.gov

From: Ross Howard <(b) (6)>
Date: Monday, November 7, 2022 at 6:08 PM
To: "Kopparapu, Ravi Kumar (GSFC-6990)"
<ravikumar.kopparapu@nasa.gov>
Subject: [EXTERNAL] Re: Topics for Nov. 8: Event Horizon with
John Michael Godier

Hi Ravi,

Great discussion this afternoon.
Here is a title we are thinking of for the episode.
'UAP/UFOs Exist: Scientifically Studying the Phenomenon with
Dr. Ravi Kopparapu'

And the text on the thumbnail would be, 'Aliens Near and Far'

I can send you thumbnail options we might use tomorrow. When you can, please send over Lt. Graves email address, John would love to talk to him. Thank you again, I will be in touch.

Best,
Ross

On Fri, Nov 4, 2022 at 3:12 PM Ross Howard

<(b) (6)> wrote:

Dear Dr. Kopparapu,

Just confirming that we will be recording on Monday the 7th from 4pm to 5:30pm. Please have headphones or earbuds available. Our preferred method is to record over Zencastr, but if there are any issues connecting to that, I have set up a zoom meeting as a back up. Also, below I am listing the topics John would like to discuss. Looking forward to meeting you, please let me know if you have any questions.

Zencastr: <https://recording.zencastr.com> (b) (6)

Zoom:

Topic: Ravi on Event Horizon

<https://us02web.zoom.us> (b) (6)

Meeting ID: (b) (6)

Topics

- Characterization of the atmospheres of Super Earths and Mini Neptunes, can life exist on such planets?
- Identifying biosignatures on exoplanets and on solar system bodies (his participation on papers about Venus and Europa), detection standards
- Technosignatures, how and what to look for, Ravi's ideal survey for technosignatures
- General exoplanet characterizations and modeling
- Habitable zones, specifically around G and K types stars and low mass stars.
- Ravi and Jacob Haqq-Misra's UAP opinion piece in scientific american, what they wrote about and why
- The work of past scientists, such as Dr. James McDonald and the tragedy involving the blowback and stigma he faced studying potential atmospheric

technosignatures

- Ravi's involvement with the AIAA uap study, discussing what's been publicly shared about it
- Why are we orbiting a yellow star and not a red star?
- Water loss on greenhouse planets
- Early Mars atmospheric models
- On the likelihood of non-terrestrial artifacts in the Solar System

Best regards,
Ross

On Wed, Nov 2, 2022 at 9:31 PM Ross Howard

<(b) (6)> wrote:

Hi Ravi,

Yes, November 7th at 4pm eastern is confirmed on our calendar.

Here is the link: <https://recording.zencastr.com> (b) (6)

Please have earbuds or headphones available.

If you have trouble connecting to zencastr email me and I will send a zoom link over asap.

Best,
Ross

On Wed, Nov 2, 2022 at 4:57 PM Kopparapu, Ravi Kumar (GSFC-6990) <ravikumar.kopparapu@nasa.gov> wrote:

Just confirming that Nov 7th 4pm is the time we are planning to meet. It is not on my calendar, so I was wondering about the date and time.

Thanks

Ravi

--

Ravi Kopparapu
NASA Goddard Space Flight Center
Greenbelt, MD 20771
email: ravikumar.kopparapu@nasa.gov

From: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>

Date: Wednesday, November 2, 2022 at 3:31 PM

To: Ross Howard <(b) (6)>

Cc: "Gran, Rani C. (GSFC-1300)" <rani.c.gran@nasa.gov>, "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>

Subject: Topics for Nov. 8: Event Horizon with John Michael Godier

Hi Ross,

We'd love to see the topics outline when you have a chance
... thank you!

Lonnie

--

Lonnie Shekhtman
Senior Science Writer
Solar System Exploration
NASA's Goddard Space Flight Center
301-614-6833

From: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>

Date: Thursday, October 27, 2022 at 2:46 PM

To: Ross Howard <(b) (6)>

Cc: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>, "Gran, Rani C. (GSFC-1300)" <rani.c.gran@nasa.gov>

Subject: Re: Good for Nov. 8: Event Horizon with John Michael Godier

Hi Ross,

Yes, Nov 7th at 4pm works good.

Thanks

Ravi

--

Ravi Kopparapu

NASA Goddard Space Flight Center
Greenbelt, MD 20771
email: ravikumar.kopparapu@nasa.gov

From: Ross Howard <(b) (6)>
Date: Thursday, October 27, 2022 at 2:14 PM
To: "Kopparapu, Ravi Kumar (GSFC-6990)"
<ravikumar.kopparapu@nasa.gov>
Cc: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS
INC]" <lonnie.shekhtman@nasa.gov>, "Gran, Rani C.
(GSFC-1300)" <rani.c.gran@nasa.gov>
Subject: [EXTERNAL] Re: Good for Nov. 8: Event Horizon
with John Michael Godier

Sure, we can do the 7th at 4pm, the 8th we can't do earlier
but can do later if that would help, also the 9th at 4pm. After
the 11th any afternoon would work.

Thanks,
Ross

Sent from my iPhone

On Oct 27, 2022, at 1:29 PM, Kopparapu, Ravi
Kumar (GSFC-6990)
<ravikumar.kopparapu@nasa.gov> wrote:

Thanks Lonnie,

Ross, can we do it earlier on Nov 8th, or any
other day? I am unavailable on Nov 8th at 4pm.
Thank you
ravi

--

Ravi Kopparapu
NASA Goddard Space Flight Center
Greenbelt, MD 20771
email: ravikumar.kopparapu@nasa.gov

From: "Shekhtman, Lonnie (GSFC-690.0)
[ADNET SYSTEMS INC]"
<lonnie.shekhtman@nasa.gov>
Date: Thursday, October 27, 2022 at 12:02 PM
To: Ross Howard
<(b) (6)>
Cc: "Kopparapu, Ravi Kumar (GSFC-6990)"
<ravikumar.kopparapu@nasa.gov>, "Gran,
Rani C. (GSFC-1300)" <rani.c.gran@nasa.gov>
Subject: Good for Nov. 8: Event Horizon with
John Michael Godier

Hi Ross,

OK, we're good-to-go on Nov. 8. I'll let Ravi
confirm that 4PM ET works for him that day.
Next step is discussing topics of conversation.

Talk soon,
Lonnie

--

Lonnie Shekhtman
Senior Science Writer
Solar System Exploration
NASA's Goddard Space Flight Center
301-614-6833

From: "Shekhtman, Lonnie (GSFC-690.0)
[ADNET SYSTEMS INC]"
<lonnie.shekhtman@nasa.gov>
Date: Thursday, October 27, 2022 at 11:11 AM
To: "Kopparapu, Ravi Kumar (GSFC-6990)"
<ravikumar.kopparapu@nasa.gov>, Ross
Howard
<(b) (6)>

Cc: "Gran, Rani C. (GSFC-1300)"

<rani.c.gran@nasa.gov>

Subject: Re: Interview Request: Event
Horizon with John Michael Godier

Hi Ross,

Thanks for reaching out. I'll get back to you asap about Ravi's participation. Thank you for offering to send an outline of topics. It would be really helpful to see those.

Talk soon,
Lonnie

--

Lonnie Shekhtman
Senior Science Writer
Solar System Exploration
NASA's Goddard Space Flight Center
301-614-6833

From: "Kopparapu, Ravi Kumar (GSFC-6990)"

<ravikumar.kopparapu@nasa.gov>

Date: Thursday, October 27, 2022 at 9:30
AM

To: Ross Howard

<(b) (6)>

Cc: "Shekhtman, Lonnie (GSFC-690.0)[ADNET
SYSTEMS INC]"

<lonnie.shekhtman@nasa.gov>, "Gran, Rani
C. (GSFC-1300)" <rani.c.gran@nasa.gov>

Subject: Re: Interview Request: Event
Horizon with John Michael Godier

Hi Ross,

In my earlier email, I forgot to copy Lonnie Shekhtman and Rani Gran from our Office of Communications. They coordinate my public outreach requests.

Let us wait to hear from them.

Best
Ravi

--

Ravi Kopparapu
NASA Goddard Space Flight Center
Greenbelt, MD 20771
email: ravikumar.kopparapu@nasa.gov

From: Ross Howard

<(b) (6)>

Date: Wednesday, October 26, 2022 at 11:09
PM

To: "Kopparapu, Ravi Kumar (GSFC-6990)"
<ravikumar.kopparapu@nasa.gov>

Subject: [EXTERNAL] Re: Interview Request:
Event Horizon with John Michael Godier

Dear Dr. Kopparapu,

How about Tuesday November 8th at 4pm
eastern time?

<https://recording.zencastr.com> (b) (6)

Are there any specific topics or recent research
you'd like John to bring up? I will send a rough
outline next week of the basics of what John
wants to discuss. Hope you have a safe trip,
really looking forward to meeting you and
having you on the show.

Best,
Ross

On Tue, Oct 25, 2022 at 10:01 AM Kopparapu,
Ravi Kumar (GSFC-6990)
<ravikumar.kopparapu@nasa.gov> wrote:

Dear Ross,
Thank you. Yes, I am aware of your show,
from my colleagues Jacob Haqq-Misra and
Thomas Fauchez.

The nearest availability for me is Thursday Oct 27th, and Friday October 28th. I am traveling next week.

I am available on Nov 7th, Nov 8th for now.

Regards

Ravi

--

Ravi Kopparapu

NASA Goddard Space Flight Center

Greenbelt, MD 20771

email: ravikumar.kopparapu@nasa.gov

From: Ross Howard

<(b) (6)>

Date: Monday, October 24, 2022 at 5:06 PM

To: "Kopparapu, Ravi Kumar (GSFC-6990)"
<ravikumar.kopparapu@nasa.gov>

Subject: [EXTERNAL] Interview Request:
Event Horizon with John Michael Godier

Dear Ravi,

My name is Ross Howard, I produce Event Horizon, a science and space interview show hosted by John Michael Godier.

www.youtube.com/eventhorizonshow

Later this week John will be recording an interview with a colleague of yours, Jacob Haqq-Misra. During some research for that interview John and I felt that there would be many topics he'd like to discuss with you that fall into your areas of interest and research.

We'd love to have you on the show at your earliest convenience. The only date in November that is currently unavailable is the 11th. We record the show as audio only over

zoom or zencastr, there are quite a lot of subjects to discuss with you, if possible we'd like to request 90 minutes of your time.

Thank you very much for your time and consideration with our request. I am sure our audience would love to hear from you.

Best regards,
Ross Howard
Producer
Event Horizon

UDIER'S

ALIENS NEAR AND FAR



PHOR

ODIER'S

DESTIGMATIZIN UAP



PHOR

From: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
To: (b) (6)
Cc: [Kopparapu, Ravi Kumar \(GSFC-6990\)](#)
Subject: FW: Request for an interview
Date: Tuesday, November 15, 2022 11:25:21 AM

Dear Lilach,

I manage media queries for Dr. Kopparapu. Thank you for reaching out. Could you please send some more information about the podcast (name, description, website link) and some more information about Inny Orbe (link to bio, links to recent clips, etc)?

Thank you,
Lonnie

--

Lonnie Shekhtman
Solar System Exploration
NASA's Goddard Space Flight Center
301-614-6833

From: Lilach Hagai (b) (6)
Date: Tuesday, November 15, 2022 at 3:59 AM
To: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>
Subject: [EXTERNAL] Request for an interview

Dear Dr. Ravi Kumar Kopparapu
My name is Lilach and I am a guest booker for a new podcast.
I am looking for a guest to talk about UFO's and got a recommendation for Prof. Jason Wright.
The podcast is brand new and you will be one of our first guests!
It is hosted by Inny Orbe, he is a journalist, and an enthusiast of all those topics he reads a lot about the subject and would love to have you on!

Please let me know if that can work for you.

From: [Kopparapu, Ravi Kumar \(GSFC-6990\)](#)
To: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
Subject: Re: Request for an interview
Date: Tuesday, November 15, 2022 10:04:15 AM

--

Ravi Kopparapu
NASA Goddard Space Flight Center
Greenbelt, MD 20771
email: ravikumar.kopparapu@nasa.gov

From: Lilach Hagai (b) (6)
Date: Tuesday, November 15, 2022 at 3:59 AM
To: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>
Subject: [EXTERNAL] Request for an interview

Dear Dr. Ravi Kumar Kopparapu
My name is Lilach and I am a guest booker for a new podcast.
I am looking for a guest to talk about UFO's and got a recommendation for Prof. Jason Wright.
The podcast is brand new and you will be one of our first guests!
It is hosted by Inny Orbe, he is a journalist, and an enthusiast of all those topics he reads a lot about the subject and would love to have you on!

Please let me know if that can work for you.

From: [Kopparapu, Ravi Kumar \(GSFC-6990\)](#)
To: [Eric Dandridge](#)
Cc: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
Subject: Re: Review Query -- Author E.A. Dandridge
Date: Wednesday, November 16, 2022 1:20:34 PM

Dear Eric,

Thank you for your email. I am a science fiction fan myself, and also an author of sci-fi in my native language.

Please send me a copy when you can. What is your timeline for getting comments back? The earliest I can do is during the Winter vacation.

Best wishes

Ravi Kopparapu

--

Ravi Kopparapu

NASA Goddard Space Flight Center

Greenbelt, MD 20771

email: ravikumar.kopparapu@nasa.gov

From: Eric Dandridge (b) (6)
Date: Wednesday, November 16, 2022 at 2:13 PM
To: "Kopparapu, Ravi Kumar (GSFC-6990)" <ravikumar.kopparapu@nasa.gov>
Subject: [EXTERNAL] Review Query -- Author E.A. Dandridge

Dear Dr. Kopparapu,

I watched your Event Horizon episode with John Michael Godier. Your ideas were an epiphany. I wanted to thank you for the inspiration you imparted.

I am reaching out to see if you would consider reviewing my novel, *Starlifter*. The eBook was published on October 14th. A teaser and link to my background are below for your reference.

Beyond my desire to tell an engaging story, I wish to motivate young people, particularly from marginalized communities, into STEM and futurology. I believe compelling science fiction in which teenagers see themselves operating with high agency is an effective vehicle to accomplish this goal.

Starlifter also endeavors to inspire humankind to the higher consciousness vantage point

we must occupy if we are to escape the Extinction Filter into which we have placed ourselves and our precious biosphere.

If you would like to receive a Review Copy, please let me know, and I will forward one.

Thank you in advance for your consideration!

Warmest Regards,

E.A. Dandridge

When Gamer-Cypherpunks Noah, Jax, and Russell stole space exploration company Starlifter's Phoenix S1 rocket to fulfill their ultimate Yolo Dream, changing history forever was the last thing on their teenage minds...

Space-obsessed autodidact Noah Reynolds never met a challenge he didn't like; Jackson Shelby is a High Math and Physics prodigy who blew off MIT to join in her friends' epic plan to steal a rocket in a stunt equal parts rebellious adventure and homage to the Apollo astronauts Noah worships; and Russell Thorpe is the greatest programmer since Dennis Ritchie.

If you are fascinated by Oumuamua, SpaceX, First Contact, UFO/UAPs, Aliens/Exo-Species, Crypto, AR/VR, AI, Megalomaniacal Tech Barons, Teen Rebellion with a cause, sci-fi adventures, intrigue, espionage, romance, and a touch of the Metaphysical then this is the tale for you.

***Starlifter* is *Arrival* meets *Gravity* with a splash of *The Martian* for the idealistic teenager in all of us...**
From novelist E.A. Dandridge, *Starlifter* is a must-read
5 Star Reviewed –Selected for The Houston Public Library's YA Sci-fi Collection – IAP Finalist
*****Recommended for 11th and 12th Grades*****

Amazon eBook Link <https://www.amazon.com/dp/B0BFX9V5ZF>
EA Dandridge Author Page <https://www.amazon.com/-/e/B096B8Y2DB>

STARLIFTER

E.A. DANDRIDGE



From: [Johnson, Alana R. \(HQ-DG000\)\[ASRC FEDERAL SYSTEM SOLUTIONS\]](#)
To: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#); [Morton, Erin \(HQ-ST30\)\[ASRC FEDERAL SYSTEM SOLUTIONS\]](#)
Cc: [Garner, Robert C. \(GSFC-1300\)](#); [Gutro, Rob \(GSFC-1300\)](#); [Jones, Nancy N. \(GSFC-1300\)](#); [Gran, Rani C. \(GSFC-1300\)](#)
Subject: RE: Media query for Ravi
Date: Wednesday, November 16, 2022 3:21:14 PM

Thank you for closing the loop on this one, Lonnie. It's always tough when the outlet/ interviewer tries to push too far in a certain direction. Ravi did handle it well, and I thank you for sharing the YouTube link.

Thanks,
Alana

Alana R. Johnson

Senior Communications Specialist, PAO & Media Lead

Planetary Science Division

PAAC V Contract

alana.r.johnson@nasa.gov

o: (202) 358-1501 | c: (b) (6)

NASA Headquarters, 300 E. St SW, Washington, DC. 20546

asrcfederal.com | Purpose Driven. Enduring Commitment.

From: Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC] <lonnie.shekhtman@nasa.gov>
Sent: Wednesday, November 16, 2022 2:46 PM
To: Morton, Erin (HQ-ST30)[ASRC FEDERAL SYSTEM SOLUTIONS] <erin.morton@nasa.gov>; Johnson, Alana R. (HQ-DG000)[ASRC FEDERAL SYSTEM SOLUTIONS] <alana.r.johnson@nasa.gov>
Cc: Garner, Robert C. (GSFC-1300) <rob.garner@nasa.gov>; Gutro, Rob (GSFC-1300) <robert.j.gutro@nasa.gov>; Jones, Nancy N. (GSFC-1300) <nancy.n.jones@nasa.gov>; Gran, Rani C. (GSFC-1300) <rani.c.gran@nasa.gov>
Subject: Re: Media query for Ravi

Hi all,

Just a quick update on this query. The interview happened on Nov. 7. Most of it was about Ravi's science, but our favorite topic came up. The interviewer, while very smart and professional, did push a little bit into a sensational direction. Ravi handled it really well. Kept is straight, focused on science and data and his work with the American Institute of Aeronautics and Astronautics. They didn't talk about NASA or its study.

If you want to hear for yourselves, the topic is discussed between about 40-59 minutes here:

<https://www.youtube.com/watch?v=zWH-bxxO4bU>

Thanks,
Lonnie

--

Lonnie Shekhtman
Senior Science Writer
Solar System Exploration
NASA's Goddard Space Flight Center
301-614-6833

From: "Morton, Erin (HQ-ST30)[ASRC FEDERAL SYSTEM SOLUTIONS]"
<erin.morton@nasa.gov>
Date: Thursday, October 27, 2022 at 11:37 AM
To: "Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC]" <lonnie.shekhtman@nasa.gov>, "Johnson, Alana R. (HQ-DG000)[ASRC FEDERAL SYSTEM SOLUTIONS]" <alana.r.johnson@nasa.gov>
Cc: "Garner, Robert C. (GSFC-1300)" <rob.garner@nasa.gov>, "Gutro, Rob (GSFC-1300)" <robert.j.gutro@nasa.gov>, "Jones, Nancy N. (GSFC-1300)" <nancy.n.jones@nasa.gov>
Subject: RE: Media query for Ravi

Thanks, Lonnie. This sounds good. Please put the interview on the OCOMMS calendar.

Erin Morton

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From: Shekhtman, Lonnie (GSFC-690.0)[ADNET SYSTEMS INC] <lonnie.shekhtman@nasa.gov>
Sent: Thursday, October 27, 2022 10:24 AM
To: Morton, Erin (HQ-ST30)[ASRC FEDERAL SYSTEM SOLUTIONS] <erin.morton@nasa.gov>; Johnson, Alana R. (HQ-DG000)[ASRC FEDERAL SYSTEM SOLUTIONS] <alana.r.johnson@nasa.gov>
Cc: Garner, Robert C. (GSFC-1300) <rob.garner@nasa.gov>; Gutro, Rob (GSFC-1300) <robert.j.gutro@nasa.gov>; Jones, Nancy N. (GSFC-1300) <nancy.n.jones@nasa.gov>
Subject: FYI: Media query for Ravi

Hi all,

I'm helping Rani field Ravi Kopparapu's media queries through the end of the year, so you'll be hearing from me for the next few months.

Just wanted to let you know that on Nov. 8 Ravi will be interviewed by John Michael Godier who has a science and space YouTube show called [Event Horizon](#). It's pretty well produced and he interviews legit scientists, including some of Ravi's colleagues. Godier's videos get 10s of thousands of views.

The show producer is collaborating with us on topics to be covered during the interview, so we'll know in advance what those are. I'll send an update when we have the final plan, but the topics will cover Ravi's science. If UAP come up, Ravi knows the messaging.

Please let me know if you have any concerns.

Thanks,
Lonnie

--

Lonnie Shekhtman
Senior Science Writer
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From: [Kopparapu, Ravi Kumar \(GSFC-6990\)](#)
To: [Shekhtman, Lonnie \(GSFC-690.0\)\[ADNET SYSTEMS INC\]](#)
Date: Thursday, November 17, 2022 8:23:22 AM

i hope they now have *some* trust in me that I can handle those kind of questions related to UAP