

AIAA Houston Section Douglas Yazell: Diversity, Climate, History, and 3 Sister Sections: France, Ethiopia Peru; Saturday, 2/19/2022

Weekly Status, D. Yazell, AIAA

Views expressed in this document are opinions of the author and do not necessarily reflect views of AIAA.

The Starry Night, 1889,
Vincent van Gogh.
Image credits:



The Guardian
For 200 years

Opinion

The US government is deploying robot dogs to the Mexico border. Seriously?

Moustafa Bayoumi

As if the border isn't surveilled and militarized enough, the Department of Homeland Security wants to go full Black Mirror

Mon 14 Feb 2022 06:24 EST

The Guardian
For 200 years

Canada

Trudeau invokes rare emergency powers in attempt to quell protests

Emergencies Act gives government broad powers for 30 days, but prime minister is not expected to call in the military

Leyland Cecco in Ottawa

Mon 14 Feb 2022 17:03 EST



This weekly document, my status report, is published here. The full link is:
www.aiaahouston.org/history_technical_committee/#news

Out-Of-Control Rocket Likely A Long March 3C, Not A Falcon 9

[SPACE](#) (2/13) reports that the rocket booster projected to hit the moon on March 4 has been identified to likely be a Long March 3C rather than a SpaceX Falcon 9. Astronomer Bill Gray announced Saturday "that he [initially] made an error in identifying the rocket as an old SpaceX Falcon 9 rocket stage that helped launch the Deep Space Climate Observatory satellite in 2015." Gray now "suggests the stage could [be] part of a Long March 3C rocket that launched China's moonbound Chang'e 5-T1 mission in October 2014."

[Space News](#) (2/13, Subscription Publication) reports that Gray "said he linked the object to the Falcon 9 upper stage back in 2015 on the assumption that the stage passed close to the moon shortly after launch" and "said he was informed DSCOVR itself did not pass close to the moon on its way to L-1." Therefore, "it was unlikely that the upper stage made that close flyby."

[SPACE](#) (2/13) reports that the rocket "is going to hit the boon on March 4 at a speed of about 2.6 kilometers per second. This will make a crater about 19 meters in diameter."

DAILY LAUNCH
TIMELY AEROSPACE NEWS FOR THE AIAA COMMUNITY

Slide 2-Diversity

Slide 3-Climate-"... net zero ... by 2050 requires the ultimate sense of urgency." [AIAA, April 2021]

Slide 4-AIAA Houston Section International Activities Committee (IAC)

Slide 5-AIAA Houston Section **France**-USA Sister Sections

Slide 6-AIAA Houston Section **Ethiopia**-USA Sister Sections

Slide 7-AIAA Houston Section **Peru**-USA Sister Sections

Slide 8-**Mexico**-AIAA Region IV is Mexico, Texas, Oklahoma, Arkansas, and New Mexico

Slide 9-Mexico-In AIAA Mexico is part of Region IV and paired with AIAA Houston Section

Slide 10-AIAA Houston Section **History** technical committee

On Feb 13, 2022, at 9:28 AM, Daniel Adamo <adamod@earthlink.net> wrote:

ATIG Members-

Association of the March 4 lunar impact with DSCOVR's jettisoned Falcon 9 second stage has been demonstrated to be a case of mistaken identity. The subject of this thread has been changed accordingly. In the attached revision, whose file name has also been changed, a fourth page has been added explaining this error's origin and relating a more rigorous analysis leading to the hypothesis this impactor was launched with the Chang'e 5-T1 mission. Minor edits to Figure 1's caption are also included.

-Dan

AIAA Distinguished Lecturer
Daniel R. Adamo.
Astrodynamics Technical
Interchange Group (ATIG)

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Goals and Objectives



GOAL 1: DIVERSITY AND INCLUSION ARE WIDELY RECOGNIZED WITHIN THE AIAA COMMUNITY AS ESSENTIAL TO THE MISSION AND VISION OF THE INSTITUTE.

OBJECTIVE 1:
Increase awareness within the AIAA community of the importance of diversity and inclusion.

The 2021-2023 AIAA Diversity Plan



TOC

Diversity

Freedom of speech

Bills to ban US schools' discussion of LGBTQ+ issues are threat to free speech - report

Florida's 'Don't Say Gay' bill is one of many aiming 'to lock LGBTQ+ topics on the wrong side of the schoolhouse gate'

Adam Gabbatt in New York

@adamgabbatt

Tue 15 Feb 2022 12:00 EST



Provide a salute to members of each demographic who have made great strides in aeronautics and astronautics

- ✓ February - Black History Month
- ✓ March - Women's History Month
- ✓ May - Asian Pacific American Heritage Month
- ✓ June - LGBTQ Pride Month
- ✓ September 15-October 15 - National Hispanic Heritage Month
- ✓ November - National American Indian Heritage Month

■ Outreach Subgroup

Create space on AIAA.org to recognize the contributions associated with each demographical Month Celebration (2021-2023)

Share at least 2 website/social media/Engage posts per month that recognizes the contributions associated with each Heritage Month Celebration (2021-2023)

NSBE
SWE
SASE
oSTEM-LGBTQ
SHPE
AISES



THE 2022 BLACK HISTORY MONTH

Virtual **FESTIVAL**

ALL MONTH LONG DURING FEBRUARY

THE 2022 BLACK HISTORY THEME: BLACK HEALTH AND WELLNESS

ASSOCIATION FOR THE STUDY OF AFRICAN AMERICAN LIFE AND HISTORY®

301 RHODE ISLAND AVENUE, NW SUITE 2204 | WASHINGTON, DC 20001 | WWW.ASALH.ORG | 202.238.5910



Associated Press

Sat 12 Feb 2022 14:32 EST

Virginia

Virginia governor Youngkin apologizes after mixing up Black state senators

Louise Lucas noted she received a text from Glenn Youngkin congratulating her for a speech Mamie Locke gave

Music

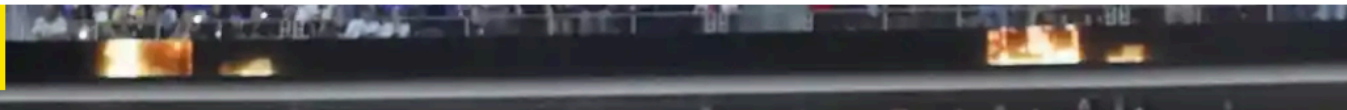
Sam Wolfson

Sun 13 Feb 2022 21:55 EST



Dr Dre, Snoop Dogg, Eminem, Kendrick Lamar and Mary J Blige's half-time show - an all-timer

The supergroup of hip-hop and R&B legends delivered the most entertaining Super Bowl half-time show in years



Opinion

The US supreme court is letting racist discrimination run wild in the election system

Carol Anderson

The court has approved or tolerated massive voter roll purges, extreme gerrymandering and election laws that have a disparate impact on minorities

Sat 12 Feb 2022 06:18 EST



POLITICS JANUARY 18, 2013 / 1:52 PM / UPDATED 9 YEARS AGO

After fumbled oath, Roberts and Obama leave little to chance

By Samuel P. Jacobs

5 MIN READ



AIAA Statement on Diversity, Equality, and Inclusion from AIAA Executive Director Dan Dumbacher, Written Monday, June 2, 2020.

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Tesla Model Y Update

My dream car? My dream car is a Tesla Model X, but \$\$\$.

Data downloaded February 15, 2022

\$60,990 MSRP

Note: \$250 non-refundable fee when placing order

Dual Motor AWD (All Wheel Drive)

Acceleration 0-60 mph: 4.8 seconds (Performance Option: 3.5 seconds)

No thanks to the Performance Option (\$5,000 more, range 303 miles)

Midnight Silver Metallic exterior (included; White is also an included choice, but not blue, black, or red)

20-inch wheels (a \$2,000 option), as opposed to the baseline 19" wheels

Range: 318 miles (330 miles with the smaller wheels)

Five seats (not seven seats)

Black Interior (included, not the \$1,000 Black and White interior)

Headroom:

Front: 41.0 inches (40.3 inches for the Model 3, and 41.1 on the VW ID.4)

Rear: 39.4 inches (37.7 inches for the Model 3, and 38.4 on the VW ID.4)

Estimated delivery: August 2022. We can choose from current inventory. I see none within 200 miles.

Cargo (cubic feet), All Seats in Place

30.3 for the VW ID.4, 64.2 Maximum

34.3 for the Tesla Model Y, 76.2 Maximum

Minimum Price for a Tesla Model 3

\$44,990, no longer the \$35,000

from the Secret Master Plan

TOC

Climate

Drought

US west 'megadrought' is worst in at least 1,200 years, new study says

Human-caused climate change significant driver of destructive conditions as even drier decades lie ahead, researchers say

Gabrielle Canon in Los Angeles

@GabrielleCanon

Tue 15 Feb 2022 07:27 EST

The Guardian
For 200 years

AP NEWS

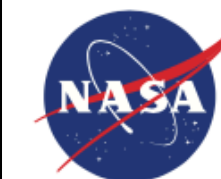
UN to finalize science report on how warming hits home hard

By SETH BORENSTEIN and FRANK JORDANS February 14, 2022

GLOBAL TEMPERATURE

↑ 1.18 °C since 1880

1/15/2022

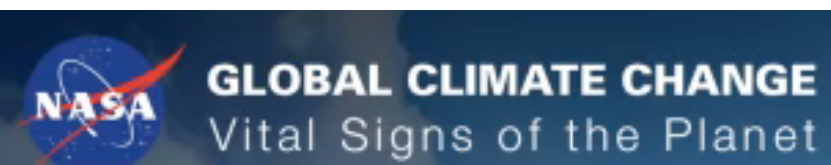


Jet Propulsion Laboratory
California Institute of Technology

CLIMATE CHANGE

Sea Level to Rise up to a Foot by 2050, Interagency Report Finds

Feb. 15, 2022



CARBON DIOXIDE

↑ 418 parts per million (current)

GLOBAL TEMPERATURE

↑ 1.01 °C since 1880

ARCTIC SEA ICE EXTENT

↓ 13.0 percent per decade since 1979

ICE SHEETS

↓ 427 billion metric tons per year

SEA LEVEL

↑ 3.4 millimeters per year

OCEAN HEAT ADDED

↑ 337 zettajoules since 1955

GLOBAL TEMPERATURE

↑ 1.01 °C since 1880 0.85 - (-0.16) 1/20/2022³

[Downloaded Friday, February 16, 2022]

AIAA Houston Section Douglas Yazell: Diversity, Climate, History, and 3 Sister Sections: France, Ethiopia Peru; Saturday, 2/19/2022

France

Ethiopia

Peru

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AIAA Houston Section sister sections

France-USA: www.3af-mp.fr

France: Francis Guimera, preceded by Alain Chevalier

Houston: Douglas Yazell

AIAA Houston Section International Activities Committee (IAC)

Chair: Douglas Yazell, douglas.yazell@me.com

Ethiopia-USA:

Ethiopia: Tulu Besha Bedada, PhD and Berhan Gessesse, PhD

Houston: Thomas Haregot

Peru-USA:

Houston: Jackelynne Silva-Martinez

Peru: Julio Valdivia, Saul Perez

alain.chevalier31@yahoo.fr

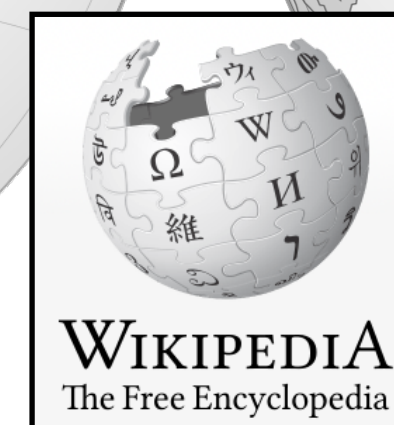
francis.guimera@orange.fr

douglas.yazell@me.com

tulubesha@yahoo.com

tharegot@gmail.com

jackysumac@yahoo.com



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France

Protests against Covid restrictions held in France and Netherlands

French police fire teargas in Paris, while convoy of vehicles brings The Hague's city centre to standstill

Associated Press in Paris

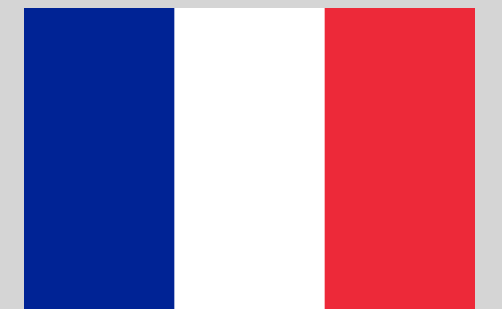
Sat 12 Feb 2022 14:19 EST

The Guardian
For 200 years



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France



Belgium

Belgian police prevent French 'freedom convoy' from entering Brussels

Barriers and checkpoints set up around European quarter, and drivers directed to park and rest area

Both France and Ukraine are in Europe. ➡

Personal Data:

Menon was born and raised in Minneapolis, Minnesota, to Ukrainian and Indian immigrants. He is married to Anna Menon who works at SpaceX, and they have two children. Menon enjoys teaching general aviation as a certified flight instructor and has logged over 1,000 hours as a pilot. He enjoys endurance races such as Ironman and Kokoro and backpacking with his family.

Isaacman Commissions Three More Flights From SpaceX

The [Washington Post](#) (2/14) reports that billionaire entrepreneur Jared Isaacman, "who led the first all-private-citizen crew to orbit in September, has commissioned three additional spaceflight missions in what amounts to a privately funded space program with Elon Musk's SpaceX." The flights "will seek to systematically chart new territory in bold, groundbreaking missions. In doing so, they would dramatically accelerate the progress of commercial spaceflight in what has become a new era of exploration, where private companies – and people – are claiming the rarefied territory that was once the exclusive domain of governments." [CNN](#) (2/14) reports on its website, "The first flight in the series of missions, which are being called 'Polaris' after the North Star, is planned for late this year and will last up to five days and include a crew of Isaacman and three other people. The crew will conduct a space walk, a first for anyone traveling aboard a SpaceX Dragon capsule."

[SPACE](#) (2/14) reports the Polaris Dawn mission will "consist of up to three human spaceflight missions that will demonstrate new technologies, conduct extensive research, and ultimately culminate in the first flight of SpaceX's Starship with humans on board." Isaacman "will be joined by three crew members highly experienced in aviation or spaceflight operations: Scott Poteet, Sarah Gillis and Anna Menon." Poteet "is a retired United States Air Force (USAF) Lieutenant Colonel and a pilot with more than 3,200 flying hours in aircraft including the F-16, A-4, T-38, T-37, T-3, and Alpha Jet," and Gillis and Menon are both SpaceX Lead Space Operations Engineers.

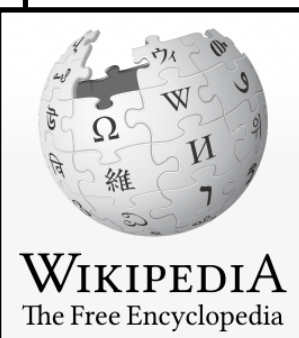
DAILY LAUNCH
TIMELY AEROSPACE NEWS FOR THE AIAA COMMUNITY



Ethnic groups in Ethiopia

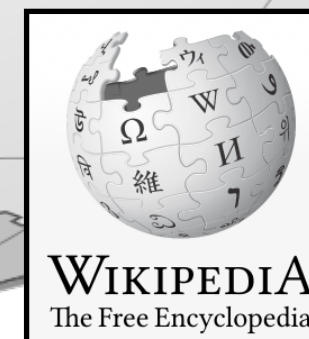
Ethnic group	Population
Oromo	25.4 (34.4%)
Amhara	19.9 (27.0%)
Somali	4.59 (6.2%)
Tigrayans	4.49 (6.1%)
Sidama	2.95 (4.0%)
Gurage	1.86 (2.5%)
Welayta	1.68 (2.3%)
Afar	1.28 (1.7%)
Hadiya	1.27 (1.7%)
Gamo	1.10 (1.5%)
Others	9.30 (12.6%)

Population in millions according to 2007 Census^[6]









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Ethiopia



Current events: <https://www.theguardian.com/world/ethiopia>

Ethnic Groups in Peru (2017 Census)^[177]

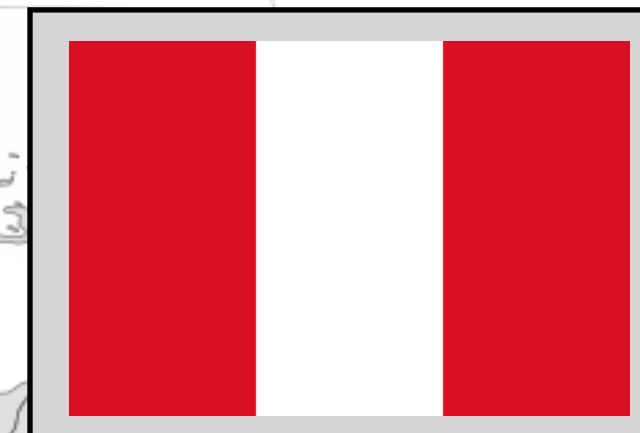
Ethnic Groups		percent
Mestizo		60.2%
Quechua		22.3%
White		5.9%
Afro-Peruvian		3.6%
Aymara		2.4%
Other		2.3%
Not Stated		3.3%



WIKIPEDIA
The Free Encyclopedia

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Peru



WIKIPEDIA
The Free Encyclopedia

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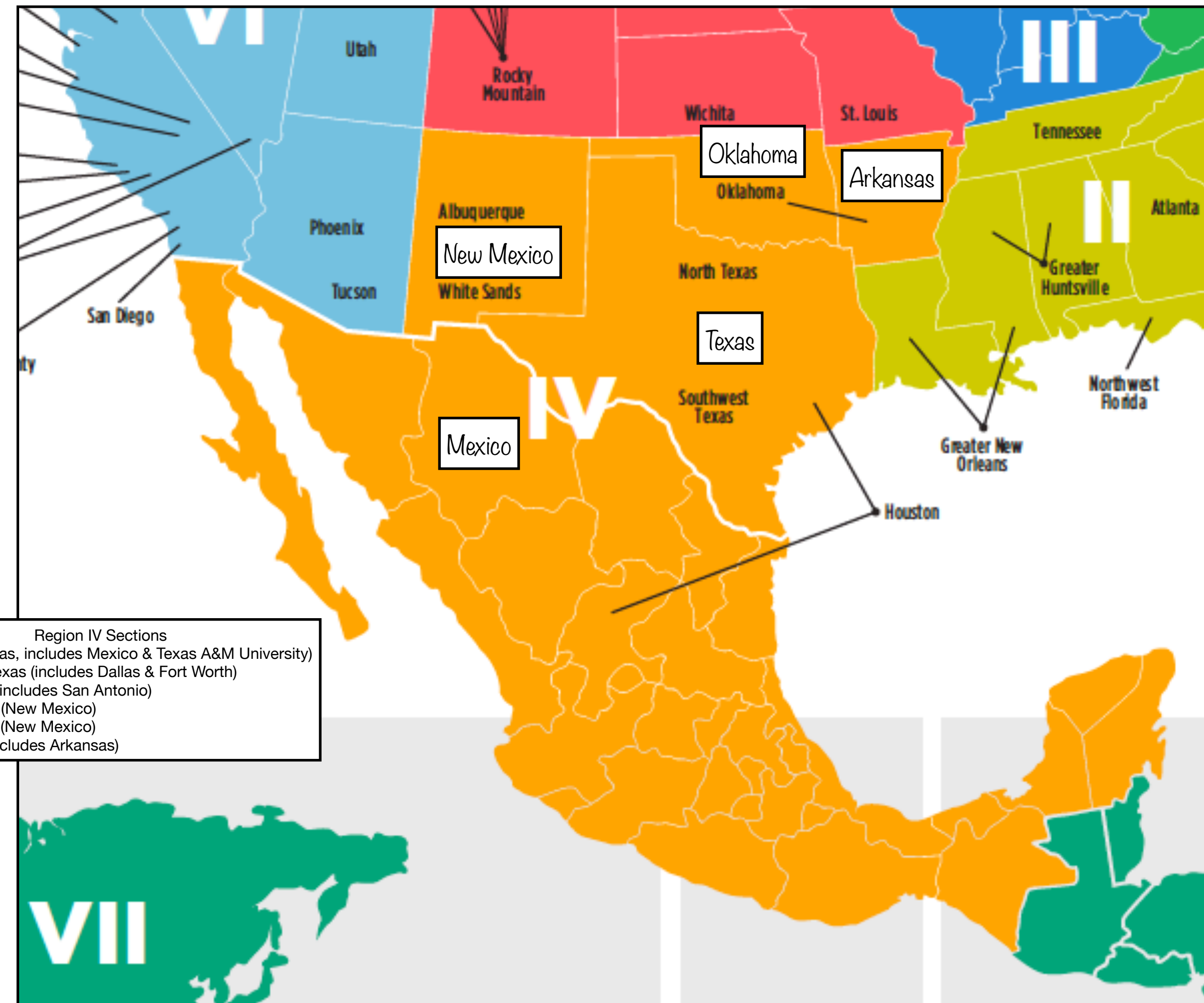
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[Mexico](#)



AIAA Houston Section: Mexico and the Section's territory in Texas

AIAA Region VII (International) and Region IV (Mexico and four states of the USA)



- Region IV Sections
1. Houston (Texas, includes Mexico & Texas A&M University)
 2. Southwest Texas (includes Dallas & Fort Worth)
 3. North Texas (includes San Antonio)
 4. Albuquerque (New Mexico)
 5. White Sands (New Mexico)
 6. Oklahoma (includes Arkansas)

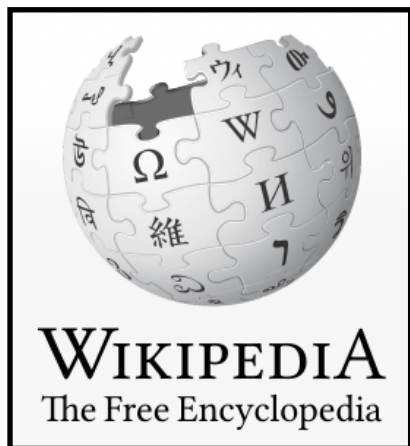
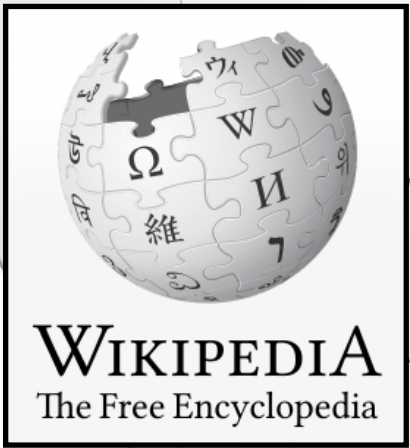


Table from Wikipedia, then modified for visibility.

Race or ethnicity	Population (est.)	Percentage (est.)	Year
Muslim	4,000	<1.0%	2015
Jewish	68,000	<1.0%	2010
Middle Eastern	400,000	<1.0%	2010
East Asian	1,000,000	<1.0%	2010
Foreigners residing in Mexico (of any race)	1,010,000	<1.0%	2015
Black	1,400,000	1.2%	2015
Indigenous	26,000,000	21.5%	2015
Unclassified (most likely Mestizos)	37,300,000	30.0%	-
White	56,000,000	47.0%	2010
Total	123,500,000	100%	2017



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Mexico



Elon Musk of SpaceX Addresses AIAA Houston

MICHAEL F. LEMBECK, PH.D.

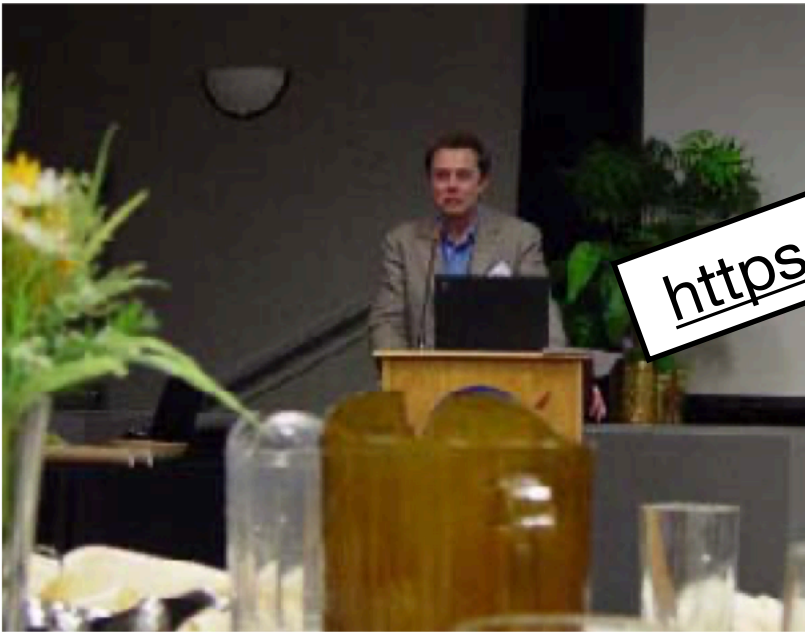
Elon Musk, software developer, pilot, entrepreneur, and now rocket scientist, spoke to a large gathering of AIAA members on May 23rd at the Gilruth Center. Mr. Musk recounted the history of his fledgling rocket company, Space Exploration Technologies, or SpaceX, which he formed in 2002 to reduce the cost of access to space. His design and manufacturing facility in El Segundo, CA is home to approximately 300 employees working on two rockets and a crew and cargo carrying capability he calls "Dragon."

He showed several pictures and short videos of his latest test flight of the Falcon 1 rocket. The second test flight of the Falcon resulted in a successful lift-off and demonstration of first stage capabilities that was marred by an oscillation in the second stage that prematurely terminated the mission. Mr. Musk described some of the improvements being made to the Falcon line to ensure success in future launches.

The audience was most interested in what he had to say about his efforts as one of two initial companies that won a NASA Commercial Orbital Transportation

Services Contract (COTS). He illustrated the progress at SpaceX with pictures of the "Dragon" spacecraft test article currently under development. "Dragon" can support up to 2500 kg of cargo or seven crew members and lands in the water under a set of parachutes. He hopes to launch "Dragon" on his second launch vehicle, the Falcon 9, late next year.

A recording of the lecture was made with the kind assistance of JSC, and the one hour video has been posted publicly at www.nasaspaceflight.com. See the AIAA Houston web site front page for the link.



Above: Elon Musk, SpaceX CEO, speaks to a large audience at Gilruth on May 23rd. Below: Dr. Michael Lembeck (left) and Horizons Editor Jon Berndt (far left) converse with Elon Musk (right) prior to Mr. Musk's lecture.



AIAA Houston Horizons Summer 2007 Page 25

Dinner Lecture Summary

Wednesday, May 23, 2007 dinner meeting presentation by Elon Musk of SpaceX

<https://youtu.be/rTBil7mi02A>

YouTube 2022

The DVD

This YouTube playback of this event was created "from [this link] with permission." That link is nasaspaceflight.com. That webmaster was kind enough to store our video recording for us soon after this 2007 event. I have a copy of the DVD created by NASA. It is at my home as of today (2022 02 11).

Whiteness is Not the Same as White People

"Four of five Houston landfills are in Black neighborhoods, and one is in a Hispanic neighborhood. That is participation in whiteness, but we can work to be less white. Opposition to whiteness is not the same thing as opposition to white people." As I recall, that was my Zoom chat post last night.

A Houston Sierra Club Chapter recycling expert mentioned landfills when I typed that chat into the Zoom call, ignoring the four of five chat posts sent before mine. The subject of the meeting was recycling. On July 22, 2020, The Sierra Club announced its new actively anti-racist nature, with accountability and reckoning with our history. That announcement was followed by an excellent article explaining the strong connection between white supremacy and the human-induced climate crisis.

When I looked for responses to my post in the Zoom chat, I saw that the four or five posts in the chat had been deleted. The chat window was empty. This was our meeting of Wednesday, February 16, 2022, for our small chapter of The Sierra Club, not the Houston Chapter.

My post in the chat was in line with the 2020 announcements from The Sierra Club, which apply to our 3.8 million members and supporters.

Whiteness is "divide and dominate" (Jacqueline Battalora, author of the 2013 book, which has a 2021 second edition, Birth of a White Nation), a racial bribe (Michelle Alexander, in her 2010 book, which updates its introduction in 2020, though a racial bribe might be how she describes affirmative action, not whiteness), and a pyramid scheme. Whiteness did not appear in law until 1682 after Bacon's Rebellion, when Virginia (and Maryland) introduced a law about marriage. That was followed by hundreds of laws and codes which continue to arrive and operate today in the USA. We also exported whiteness with great success. Another example is a law outlawing gun and ammunition ownership by Black people, whether enslaved or free. I think thousands or millions of them often needed to hunt for food.

"I hope it is clear that opposition to whiteness is not the same as opposition to white people." [George Lipsitz, page viii, from his 1998 book]

In her 2018 book, Robin DiAngelo explains that participation in whiteness (which operates 24/7/365) is inevitable, especially in the USA, so she works every day to be less white.

When I told one of my family members about my post in the Zoom chat and the related context of the meeting, as well as the deletion of all content in the chat window, she claimed that I was wrong to post my comments in the Zoom chat, and that I should have said that recycling in non-white neighborhoods (including Black neighborhoods), is not the same (in an unfair way) as in white neighborhoods.

2007

<http://www.aiaahouston.org/Horizons/august2007.pdf>

Diversity & Climate